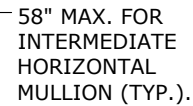


Z:\Shared\PROJECTS\26-\26-101121 2026 Multiple Product FBC Update FL17691\Work\FBC 2026\DL-QA-PE Review



REINF. LENGTH =
50% OF FRAME HEIGHT 2
AT CENTER OF FRAME

REINF. LENGTH =
50% OF FRAME HEIGHT 1
AT CENTER OF FRAME

SECTION "A"



FG-5000-PP-8

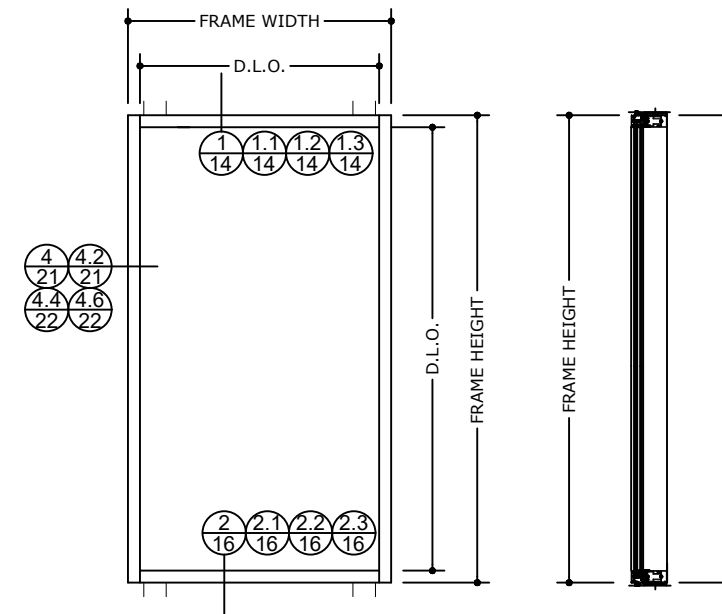
SECTION "B"

TYPICAL CURTAINWALL ELEVATIONS

NOTE:
L1+ L2 SHALL NOT EXCEED
325 1/2" IN LENGTH

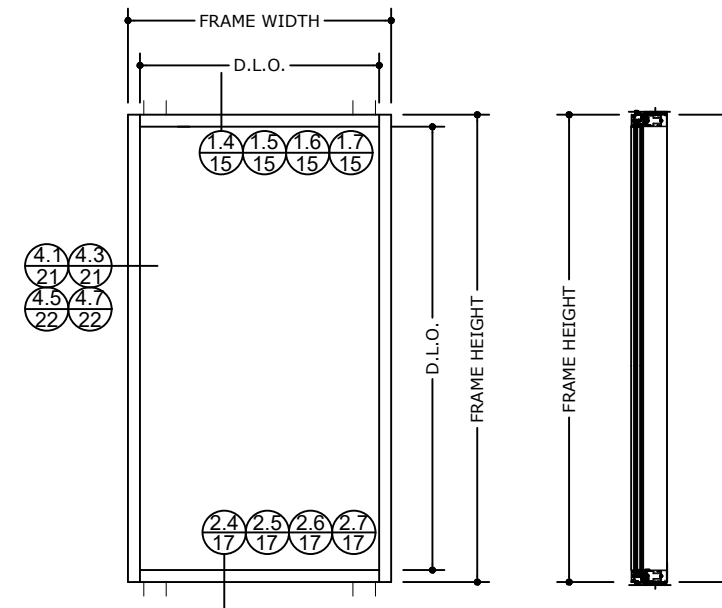
WATER RESISTANCE PER ASTM E331= 15 P.S.F

SCALE: NTS UNLESS NOTED



TYPICAL SINGLE PANEL OPENING

6" AND 6 1/4" SYSTEM



TYPICAL SINGLE PANEL OPENING

7 1/4" AND 7 1/2" SYSTEM

NOTE: SINGLE SPAN ELEVATIONS SHOWING (7 1/4" & 7 1/2")
MULLIONS AND JAMBS SHALL BE USED UNDER SITE
SPECIFIC ENGINEERING AND SHALL BE APPROVED BY
AUTHORITY HAVING JURISDICTION (AHJ).

INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING

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: +70 / -70 P.S.F.

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



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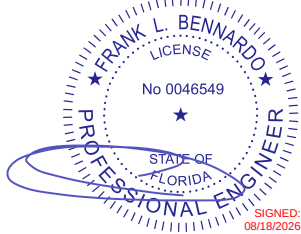
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GLASS TYPES

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

AUGUST 11, 2026



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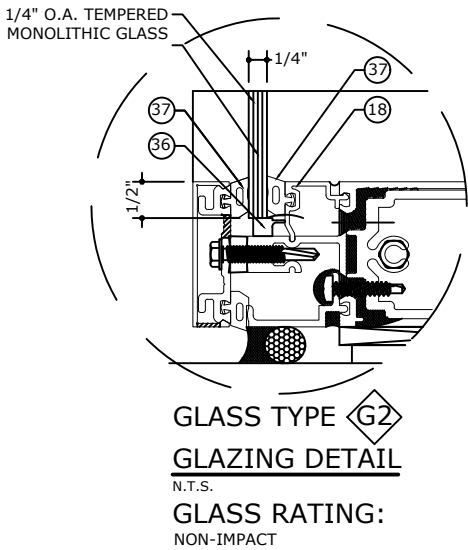
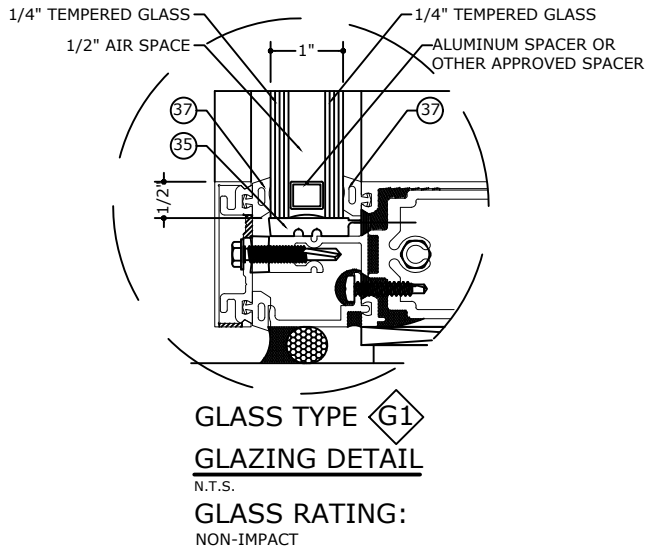
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-	-	-	-
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-	-	-	-

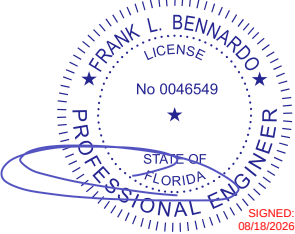
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GLASS LOADING TABLES

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GLASS TYPE 		
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 		
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
46	60	+ / - 40

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



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

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Technical drawing of a window frame showing dimensions and components.

Dimensions:

- FRAME WIDTH:** Total width of the frame.
- W1, W2, W3, W4:** Individual widths of the frame sections.
- D.L.O. (Distance to Line of Opening):** Vertical distance from the frame to the opening.
- EDGEM HEIGHT:** Height of the edge of the frame.

Components:

- JAMB PROFILE WIDTH:** Width of the jamb profile.
- A, B, C, D:** Labels for specific components or points.

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

$$\text{TRIBUTARY WIDTH B} = \text{LARGER OF } \frac{W1 + W2}{2} \text{ OR } \frac{W2 + W3}{2}$$

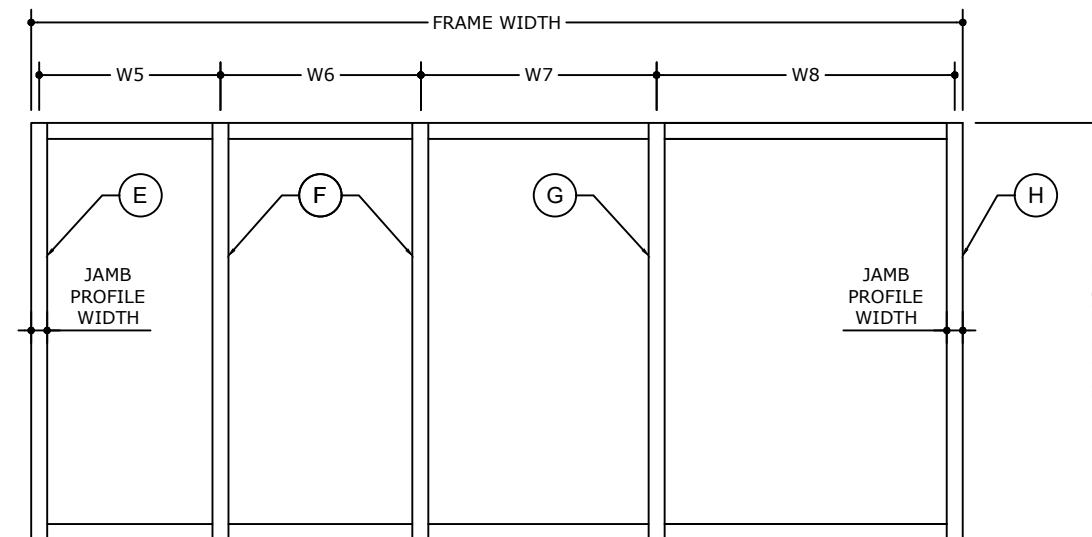
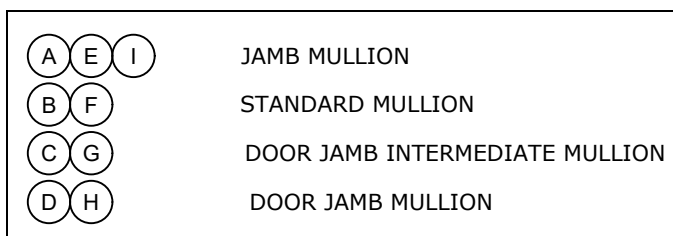
(FOR STANDARD MULLION)

$$\text{TRIBUTARY WIDTH C} = \frac{W3 + W4}{2}$$

(FOR INTERMEDIATE DOOR MULLION)

$$\text{TRIBUTARY WIDTH } D = \frac{W_4}{2} + 1/2" \text{ JAMB PROFILE WIDTH}$$

(FOR DOOR JAMB MULLION)



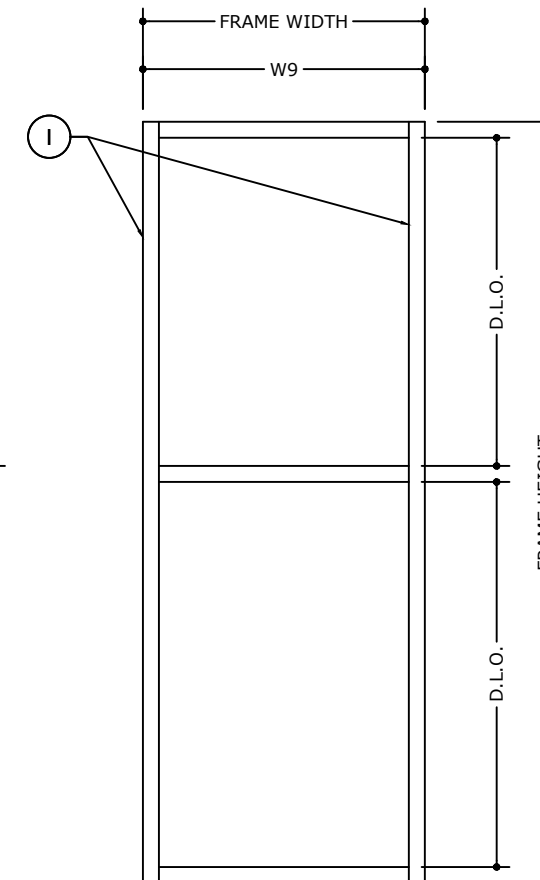
TRIBUTARY WIDTH E = $\frac{W5}{2}$ + 1/2" JAMB PROFILE WIDTH
(FOR STANDARD JAMB MULLION)

$$\text{TRIBUTARY WIDTH F} = \text{LARGER OF } \frac{W5 + W6}{2} \text{ OR } \frac{W6 + W7}{2}$$

(FOR STANDARD MULLION)

$$\text{TRIBUTARY WIDTH G (FOR INTERMEDIATE MULLION)} = \frac{W7}{2} + \frac{W8}{4}$$

TRIBUTARY WIDTH H = $\frac{W8}{4}$ + 1/2" JAMB PROFILE WIDTH
(FOR JAMB MULLION)


$$\text{TRIBUTARY WIDTH I} = \frac{W9}{2}$$

(FOR STANDARD JAMB MULLION)

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Technical drawing of a four-part window frame assembly. The drawing shows a top-down view of the frame with four rectangular panes labeled A, B, C, and D. The overall dimensions are labeled as FRAME WIDTH and FRAME HEIGHT. The width is divided into four equal sections labeled W1, W2, W3, and W4. The height is divided into three equal sections labeled D.L.O. (Double Lead Overlay). The drawing also shows the JAMB PROFILE WIDTH and the L1 and L2 dimensions. The panes are shown with dashed lines indicating the internal structure and the L-shaped frame profile.

Technical drawing of a cabinet with dimensions and labels:

- FRAME WIDTH**: Dimension across the top of the cabinet frame.
- W5**: Dimension across the top of the cabinet frame, likely indicating a specific width or offset.
- E**: A circled letter 'E' with a line pointing to the top-left corner of the cabinet frame.
- D.L.O.**: Dimension across the top of the cabinet frame, likely indicating a specific depth or offset.
- L2**: Dimension across the top of the cabinet frame, likely indicating a specific depth or offset.
- L1**: Dimension across the top of the cabinet frame, likely indicating a specific depth or offset.

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

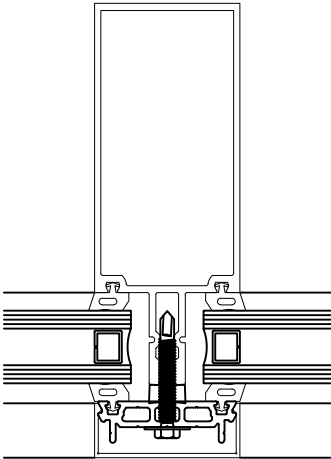
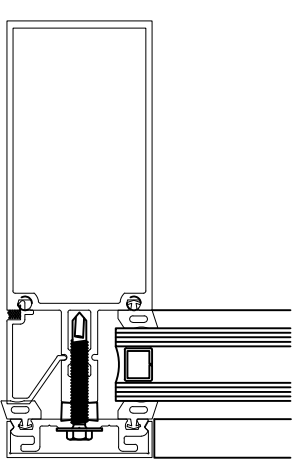
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RELIANCE LT CURTAIN WALL MULLIONS

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PE# 0046549 CA# 9885

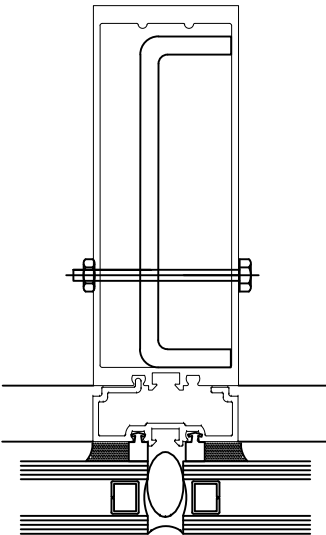
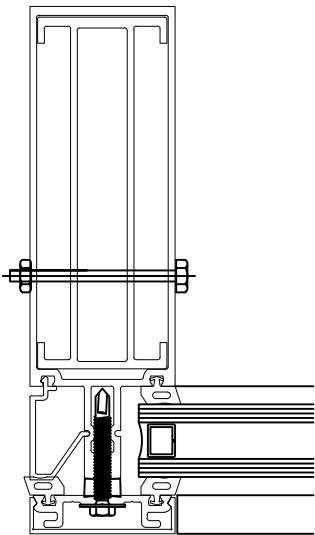
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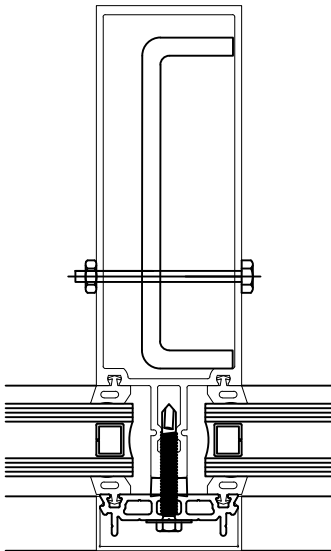
J1
SINGLE SPAN
ONLY

M1
SINGLE SPAN
ONLY

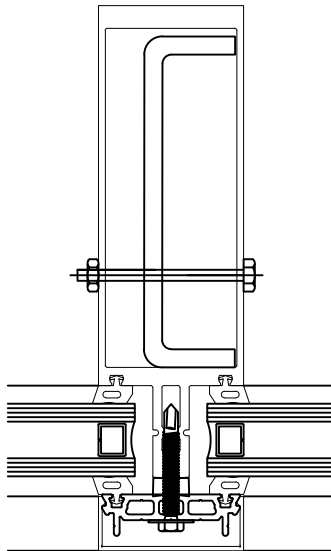


J2
SPliced JAMB

M2
SPliced
MULLION



M3
SPliced
MULLION



M4
SPliced
MULLION

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

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

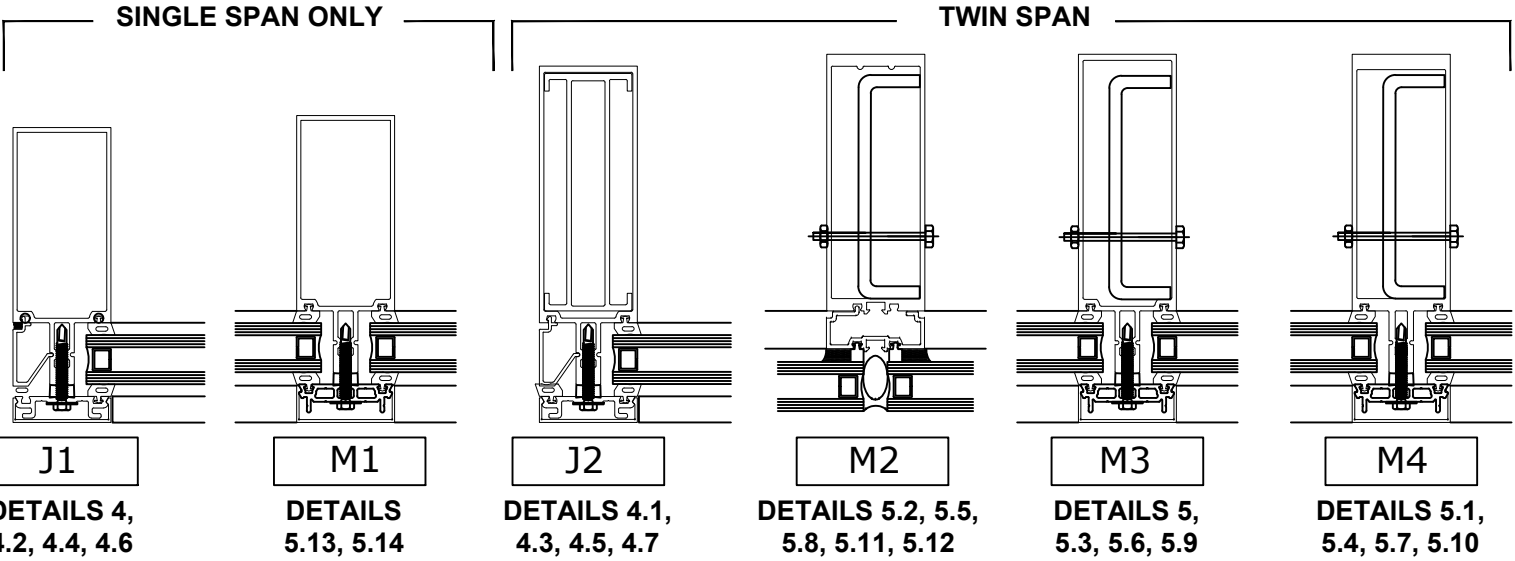
MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		M1		M2		M3		M4	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
60	24	70	70	70	70	70	70	70	70
	30	70	70	70	70	70	70	70	70
	36	70	70	70	70	70	70	70	70
	42	70	70	70	70	70	70	70	70
	48	70	70	70	70	70	70	70	70
	54	70	70	70	70	70	70	70	70
	60	70	70	70	70	70	70	70	70
	66	70	70	70	70	70	70	70	70
	72	70	70	70	70	70	70	70	70
	78	70	70	70	70	70	70	70	70
	80	-	-	70	70	70	70	70	70
72	24	70	70	70	70	70	70	70	70
	30	70	70	70	70	70	70	70	70
	36	70	70	70	70	70	70	70	70
	42	66	66	70	70	70	70	70	70
	48	61	61	70	70	70	70	70	70
	54	58	58	70	70	70	70	70	70
	60	56	56	70	70	70	70	70	70
	66	-	-	70	70	70	70	70	70
	72	-	-	70	70	70	70	70	70
	78	-	-	70	70	70	70	70	70
	80	-	-	70	70	70	70	70	70

MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		M1		M2		M3		M4	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
84	24	70	70	70	70	70	70	70	70
	30	68	68	70	70	70	70	70	70
	36	59	59	70	70	70	70	70	70
	42	53	53	70	70	70	70	70	70
	48	49	49	70	70	70	70	70	70
	54	46	46	70	70	70	70	70	70
	60	-	-	70	70	70	70	70	70
	66	-	-	70	70	70	70	70	70
	72	-	-	70	70	70	70	70	70
	78	-	-	70	70	70	70	70	70
	80	-	-	70	70	70	70	70	70
96	24	70	70	70	70	70	70	70	70
	30	58	58	70	70	70	70	70	70
	36	50	50	70	70	70	70	70	70
	42	45	45	70	70	70	70	70	70
	48	41	41	70	70	70	70	70	70
	54	-	-	70	70	70	70	70	70
	60	-	-	70	70	70	70	70	70
	66	-	-	70	70	70	70	70	70
	72	-	-	70	70	70	70	70	70
	78	-	-	70	70	70	70	70	70
	80	-	-	70	70	70	70	70	70

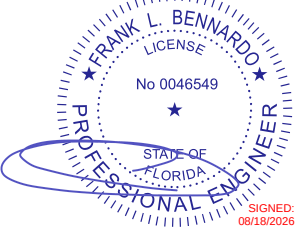
JAMB MULLION LOADING CHART		MULLION TYPE	
		J1	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
36	24	70	70
	30	70	70
	36	70	70
	42	70	70
	48	70	70
	54	70	70
	60	70	70
48	24	70	70
	30	70	70
	36	70	70
	42	70	70
	48	70	70
60	24	70	70
	30	61	61
	36	54	54
72	24	57	57
	30	48	48
84	24	47	47
96	24	40	40
108	24	40	40
120	24	40	40
132	24	40	40
144	24	34	34

JAMB MULLION LOADING CHART		MULLION TYPE	
		J2	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
60	24	70	70
	30	70	70
	36	70	70
	42	70	70
	48	70	70
	54	70	70
	60	70	70
	66	70	70
	72	70	70
	78	70	70
72	24	70	70
	30	70	70
	36	70	70
	42	70	70
	48	70	70
	54	70	70
60	60	70	70
	66	68	68

MAX. SPAN (L1+L2) = 325 1/2"
MAX.



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PE# 0046549 CA# 9885



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LICENSE
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MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		M1		M2		M3		M4	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
132	24	41	41	70	70	70	70	70	70
	30	33	33	70	70	70	70	70	70
	36	-	-	70	70	70	70	70	70
	42	-	-	67	67	67	67	67	67
	48	-	-	61	61	61	61	61	61
	54	-	-	55	55	55	55	55	55
	60	-	-	51	51	51	51	51	51
	66	-	-	48	48	48	48	48	48
144	24	34	34	70	70	70	70	70	70
	30	27	27	70	70	70	70	70	70
	36	-	-	69	69	69	69	69	69
	42	-	-	61	61	61	61	61	61
	48	-	-	55	55	55	55	55	55
	54	-	-	50	50	50	50	50	50
	60	-	-	46	46	46	46	46	46
	66	-	-	43	43	43	43	43	43

JAMB MULLION LOADING CHART		MULLION TYPE	
		J2	
SPAN (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
144	24	55	55
	30	45	45
156	24	51	51
	30	41	41
163	24	49	49
	31	40	40

The image displays technical cross-sections of window frames, categorized into two main types: SINGLE SPAN ONLY and TWIN SPAN.

SINGLE SPAN ONLY:

- J1:** Detail 4, 4.2, 4.4, 4.6. Shows a single span window frame with a central vertical mullion and a horizontal sash.
- M1:** Details 5.13, 5.14. Shows a single span window frame with a central vertical mullion and a horizontal sash.

TWIN SPAN:

- J2:** Details 4.1, 4.3, 4.5, 4.7. Shows a twin span window frame with two vertical mullions and a horizontal sash.
- M2:** Details 5.2, 5.5, 5.8, 5.11, 5.12. Shows a twin span window frame with two vertical mullions and a horizontal sash.
- M3:** Details 5, 5.3, 5.6, 5.9. Shows a twin span window frame with two vertical mullions and a horizontal sash.
- M4:** Details 5.1, 5.4, 5.7, 5.10. Shows a twin span window frame with two vertical mullions and a horizontal sash.

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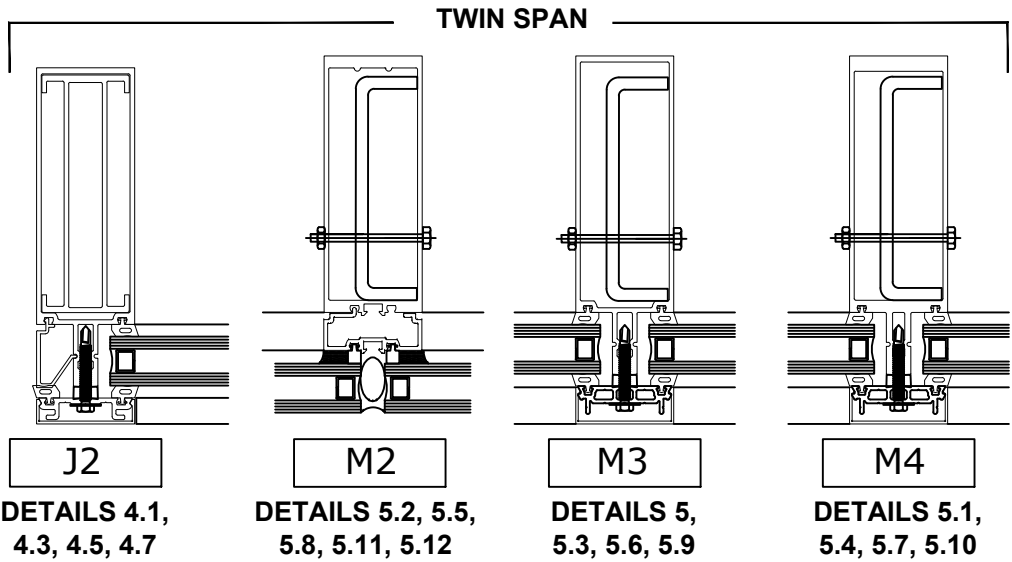
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MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

MULLION LOADING CHART		MULLION TYPE M2		MULLION TYPE M3		MULLION TYPE M4	
		(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
156	24	70	70	70	70	70	70
	30	70	70	70	70	70	70
	36	63	63	63	63	63	63
	42	55	55	55	55	55	55
	48	50	50	50	50	50	50
	54	45	45	45	45	45	45
	60	41	41	41	41	41	41
163	24	70	70	70	70	70	70
	30	70	70	70	70	70	70
	36	61	61	61	61	61	61
	42	53	53	53	53	53	53
	48	47	47	47	47	47	47
	54	43	43	43	43	43	43
	60	40	40	40	40	40	40



MAX. SPAN (L1+L2) = 325 1/2" MAX.

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PE# 0046549 CA# 9885

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2023 FBC (23-59830f)	SQ	RS	08/31/23
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OF 34

INTERMEDIATE MULLION HEAD/SILL ANCHORAGE

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FRANK L. BENNARDO

LICENSE

No 0046549

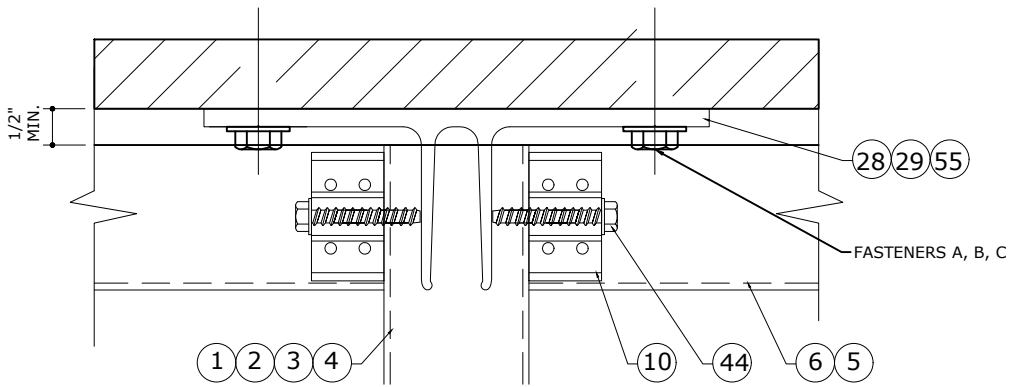
STATE OF FLORIDA

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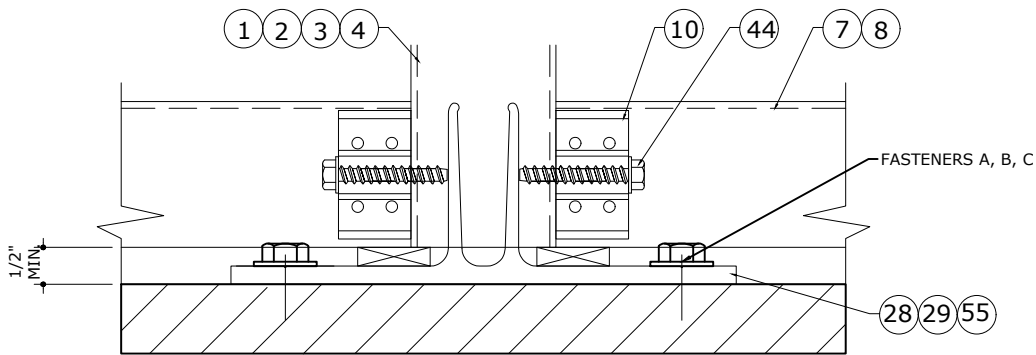
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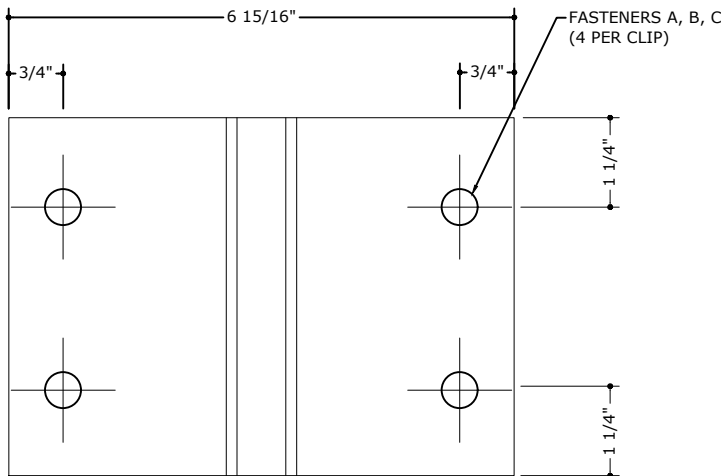
AUGUST 11, 2026



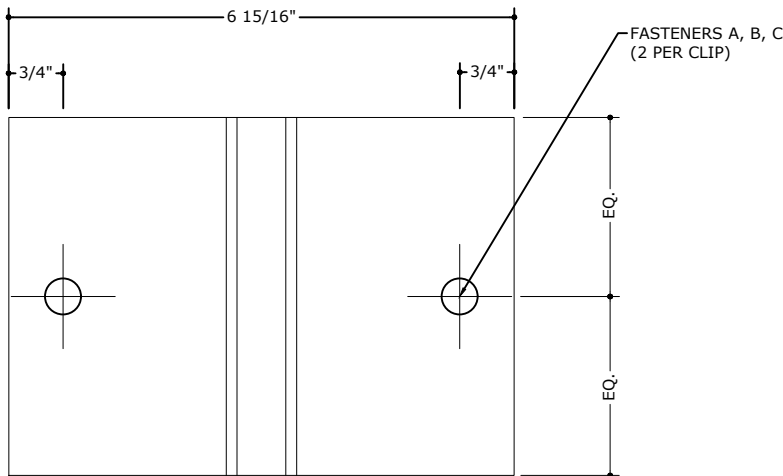
INTERMEDIATE MULLION
ANCHOR AT HEAD DETAIL



INTERMEDIATE MULLION
ANCHOR AT SILL DETAIL



T ANCHOR CLIP DETAIL



T ANCHOR CLIP DETAIL (LIMITED TO ± 40 P.S.F.)

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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JAMB HEAD/SILL ANCHORAGE

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PE# 0046549 CA# 9885

FRANK L. BENNARDO

LICENSE

No 0046549

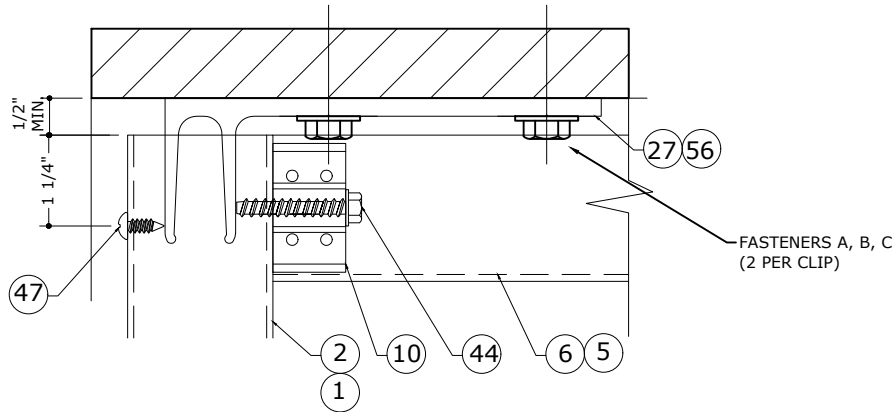
STATE OF FLORIDA

PROFESSIONAL ENGINEER

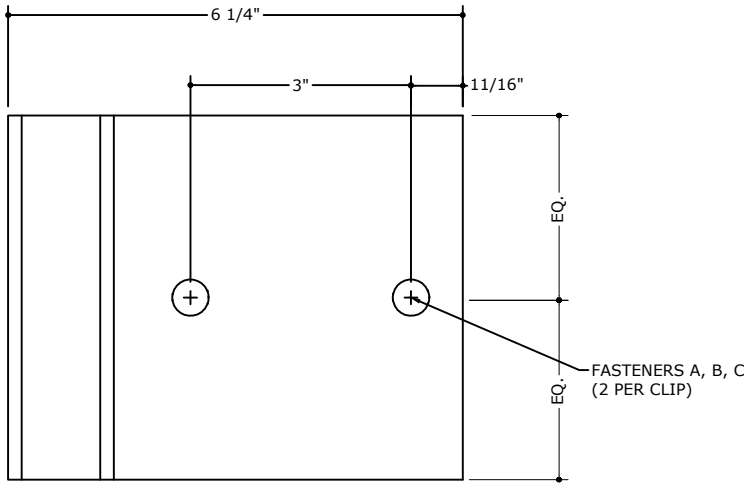
SIGNED: 08/18/2026

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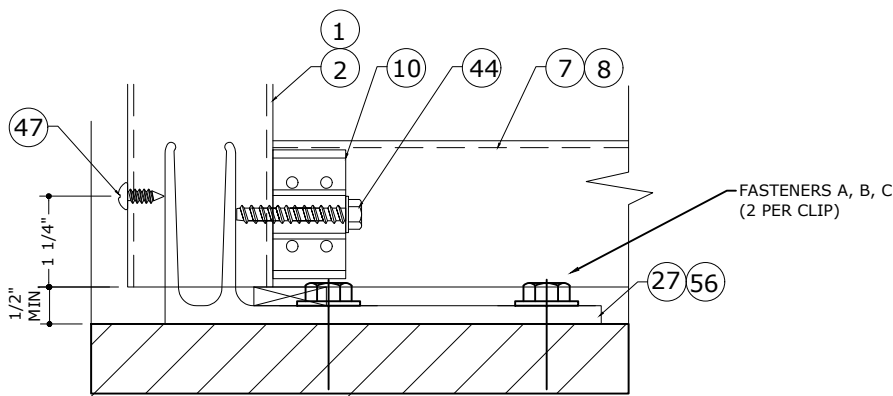
AUGUST 11, 2026



JAMB ANCHOR AT HEAD DETAIL



F ANCHOR CLIP DETAIL



JAMB 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.
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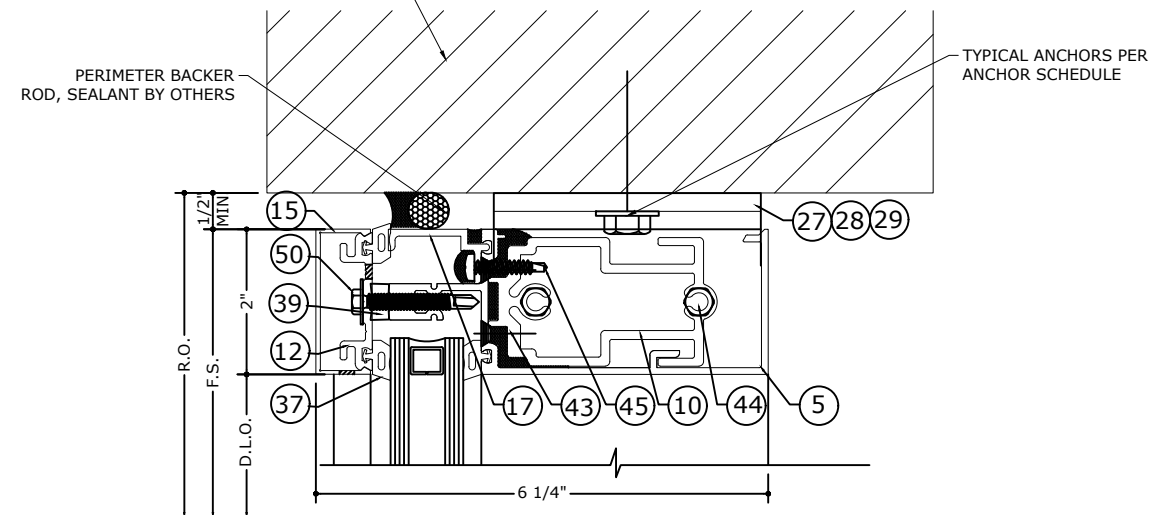
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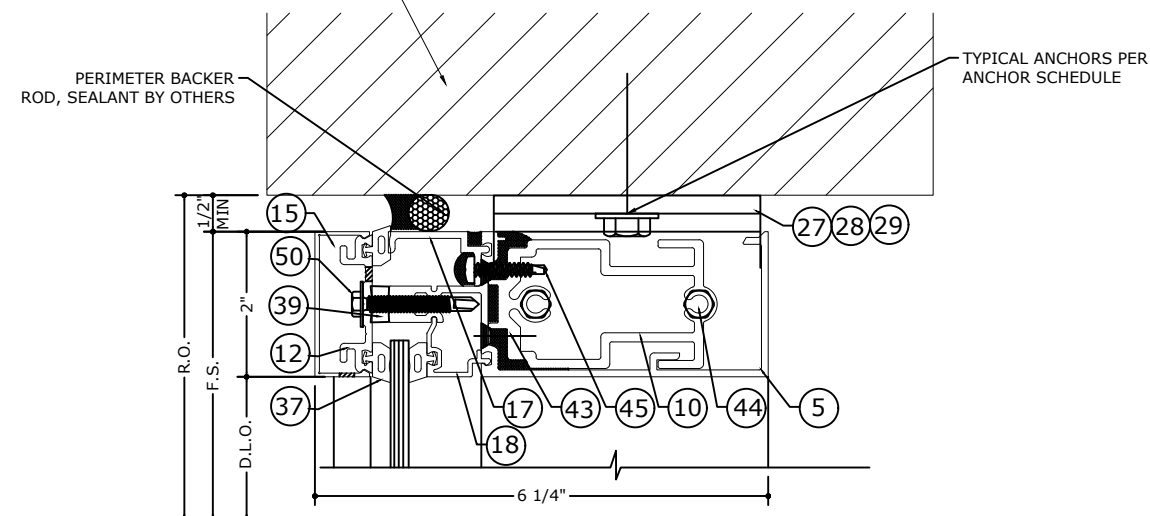


3000 PSI CONCRETE, 1/8" MIN. A-36 STEEL,
16 GA MIN. STUD ASTM A-653 GRADE
33 STEEL, 1/8" MIN. ALUMINUM 6063-T6 OR
G=0.55" MIN. SPECIFIC GRAVITY WOOD



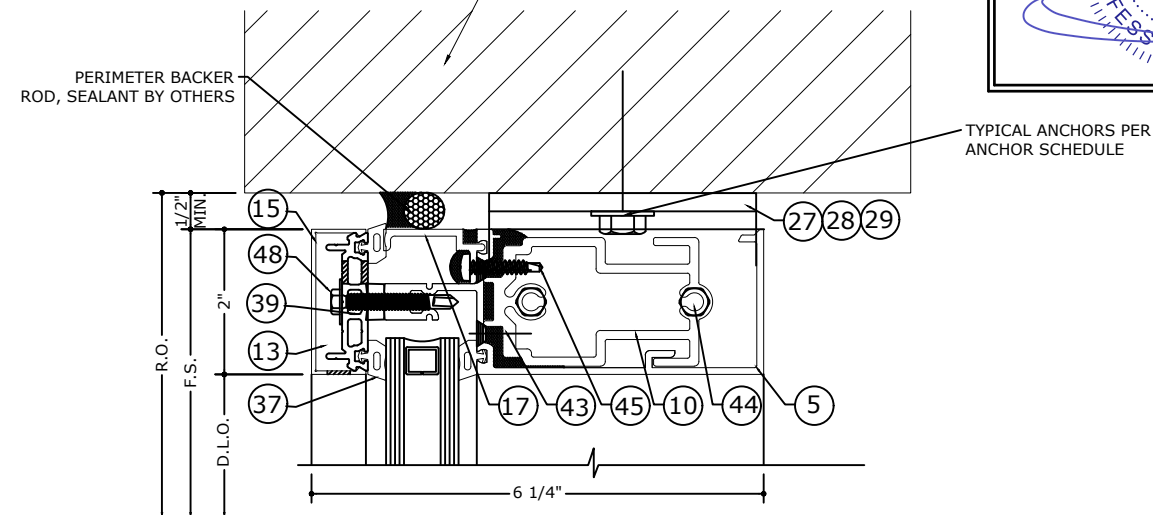
1 HEAD DETAIL

3000 PSI CONCRETE, 1/8" MIN. A-36 STEEL,
16 GA MIN. STUD ASTM A-653 GRADE
33 STEEL, 1/8" MIN. ALUMINUM 6063-T6 OR
G=0.55" MIN. SPECIFIC GRAVITY WOOD



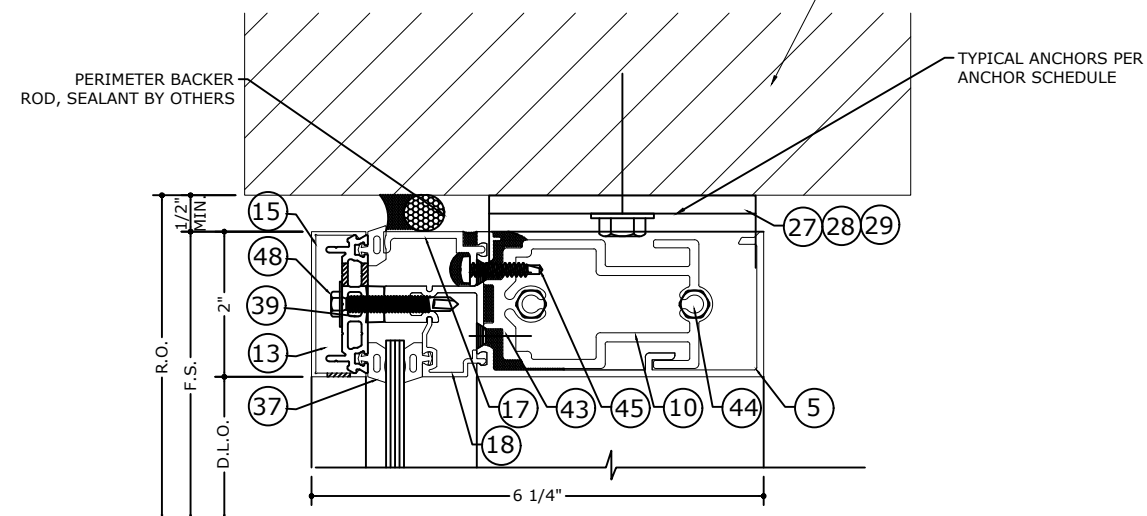
1.2 HEAD DETAIL

3000 PSI CONCRETE, 1/8" MIN. A-36 STEEL,
16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL
1/8" MIN. ALUMINUM 6063-T6 OR G=0.55" MIN.
SPECIFIC GRAVITY WOOD



1.1 HEAD DETAIL

3000 PSI CONCRETE, 1/8" MIN. A-36 STEEL,
16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL,
1/8" MIN. ALUMINUM 6063-T6 OR G=0.55" MIN.
SPECIFIC GRAVITY WOOD



1.3 HEAD DETAIL

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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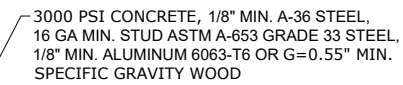
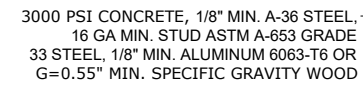
SCALE: NTS UNLESS NOTED

OF 34

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3000 PSI CONCRETE, 1/8" MIN. A-36 STEEL,
16 GA MIN. STUD ASTM A-653 GRADE
33 STEEL, 1/8" MIN. ALUMINUM 6063-T6 OR
G=0.55" MIN. SPECIFIC GRAVITY WOOD



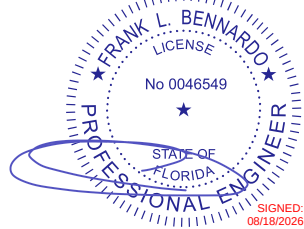
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SILL DETAILS

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PE# 0046549 CA# 9885

AUGUST 11, 2026



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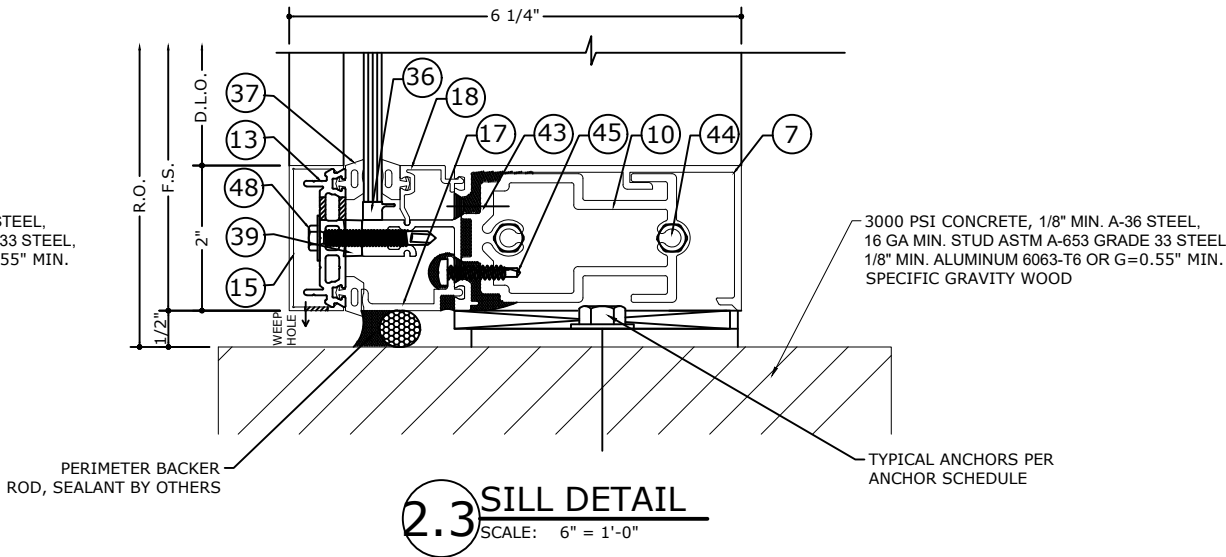
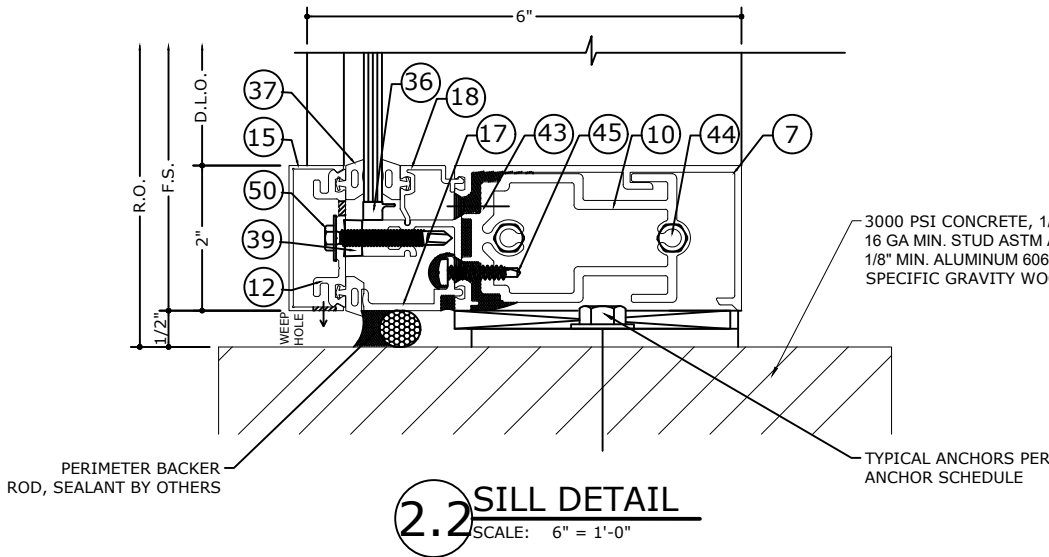
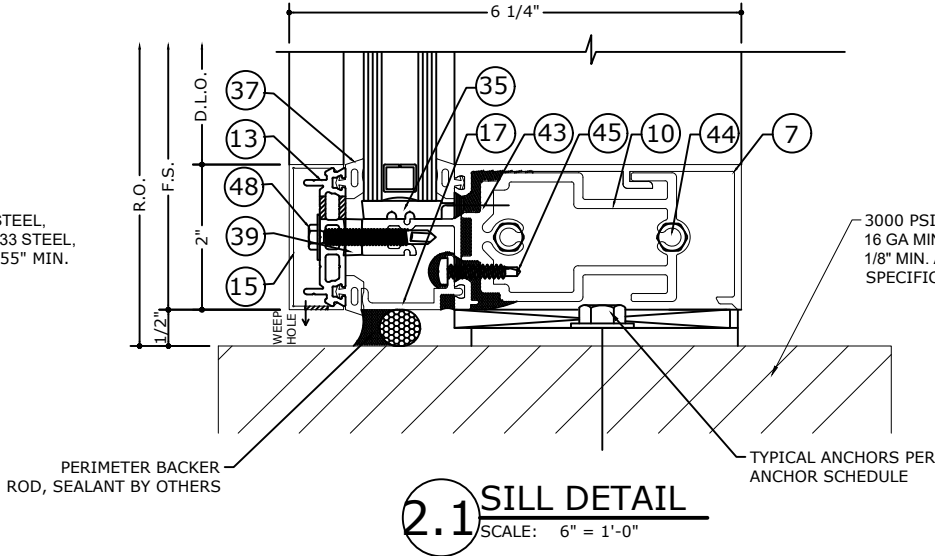
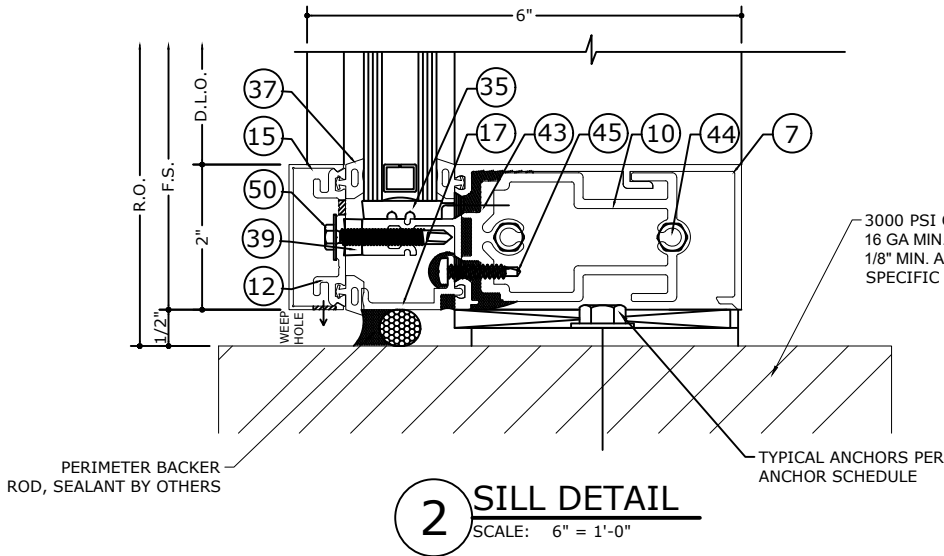
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34



NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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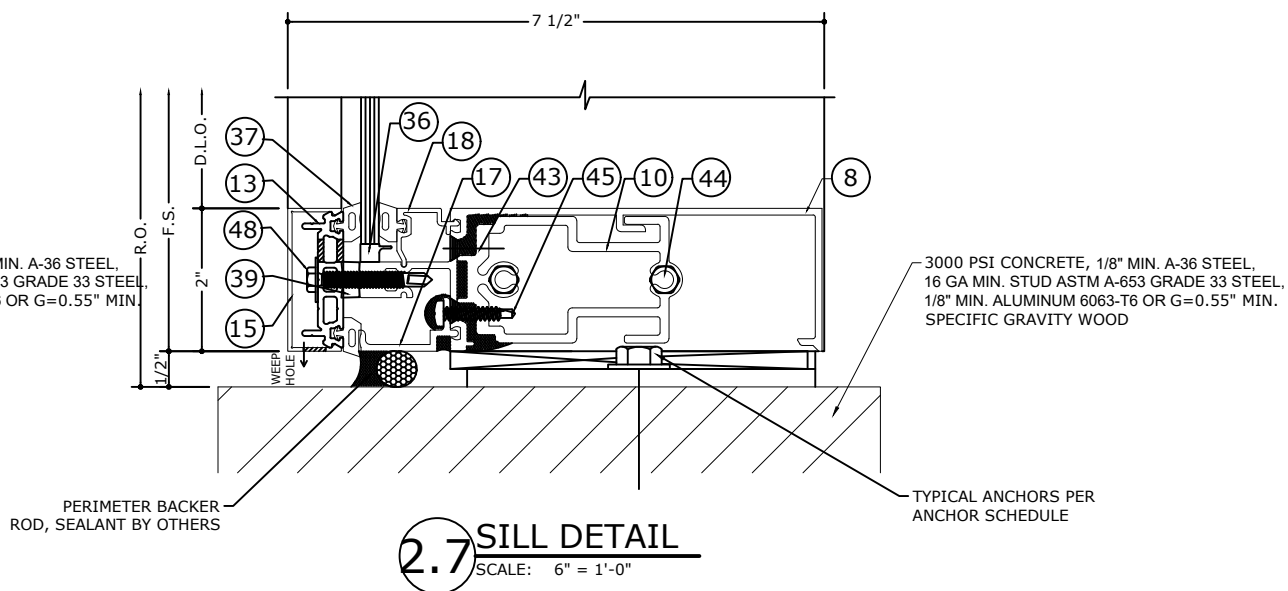
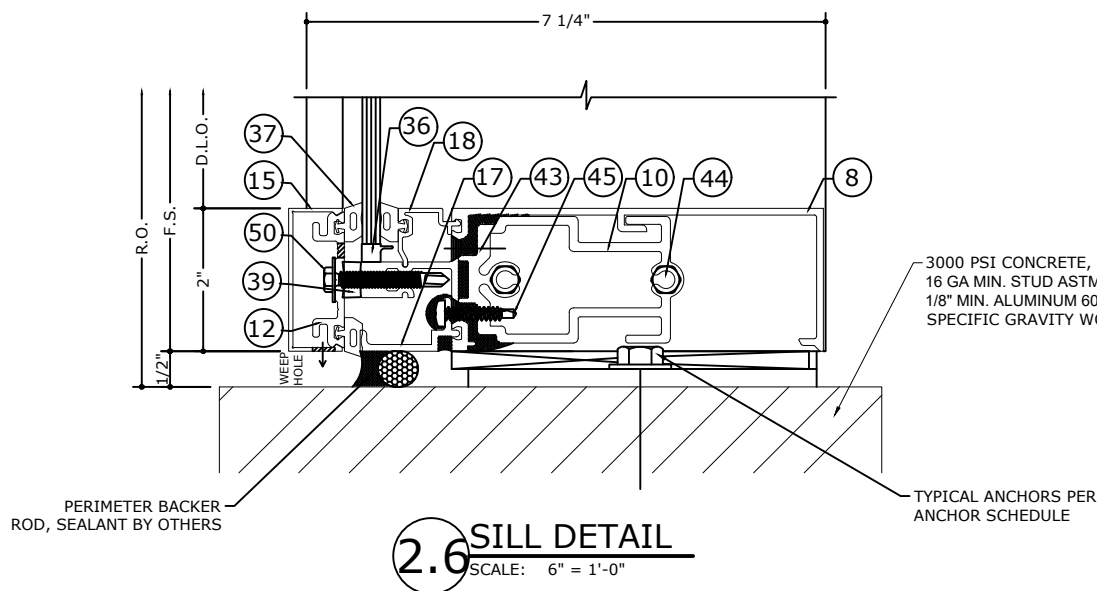
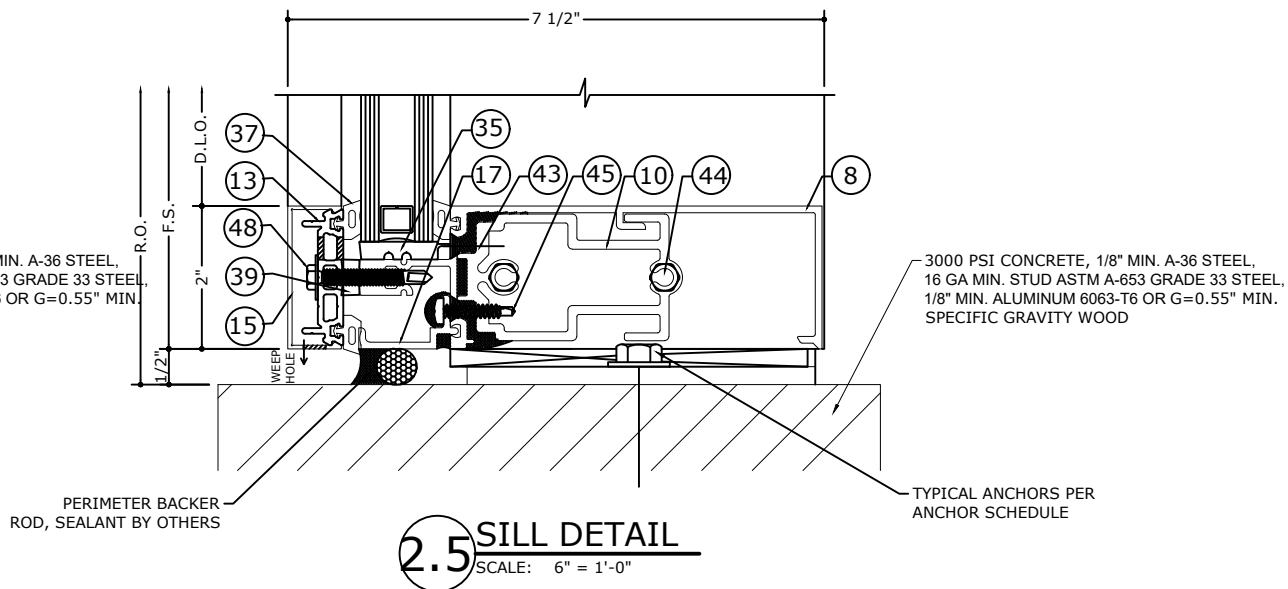
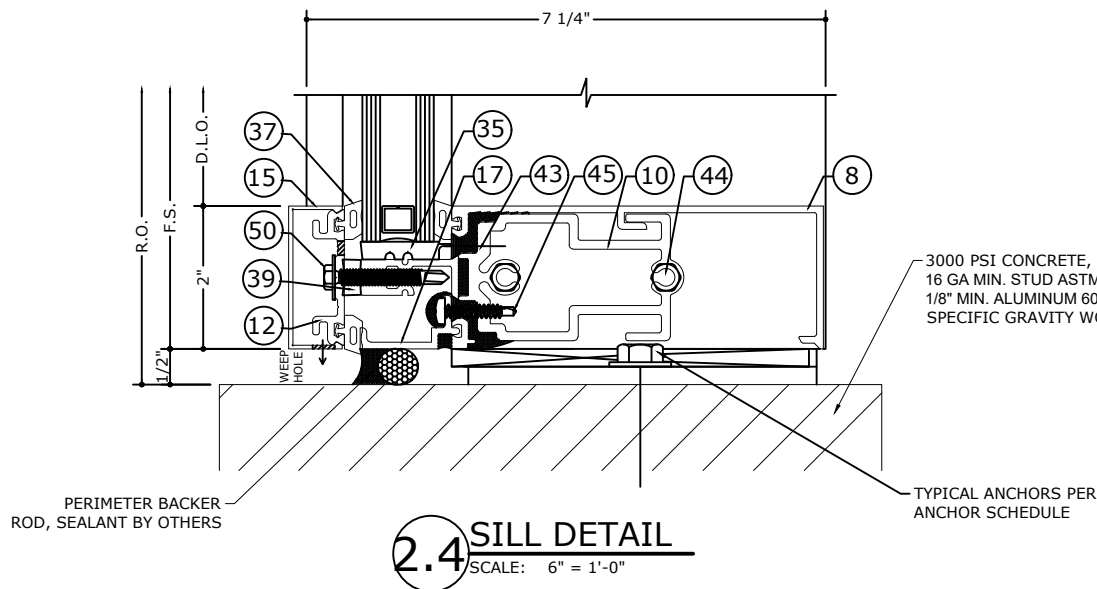
FRANK BENNARDO, PE
PE# 0046549 CA# 9885

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

SIGNED:
08/18/2026

AUGUST 11, 2026

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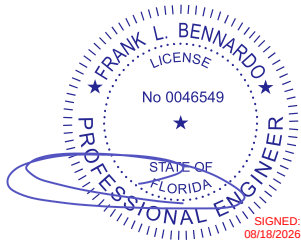
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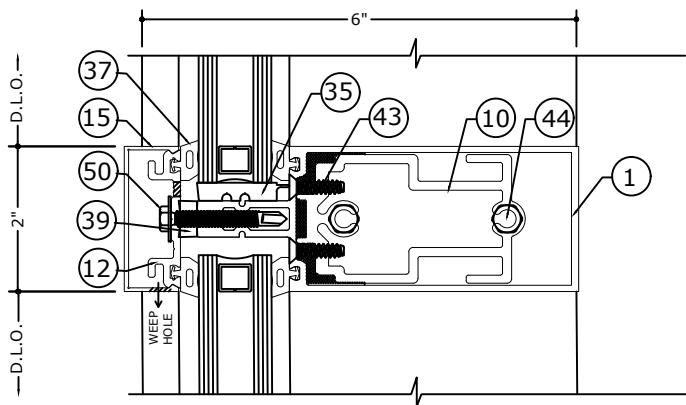
HORIZONTAL DETAILS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

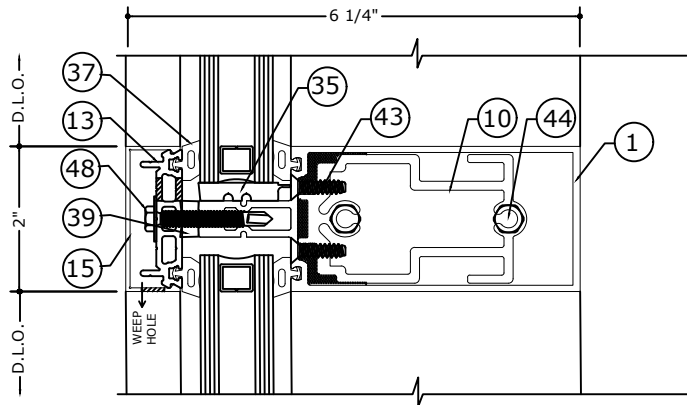
AUGUST 11, 2026



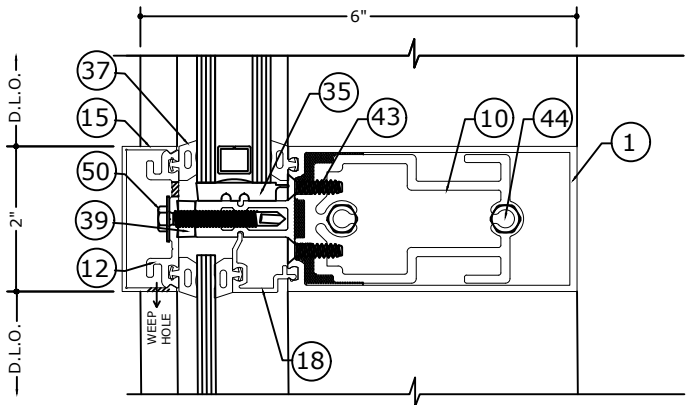
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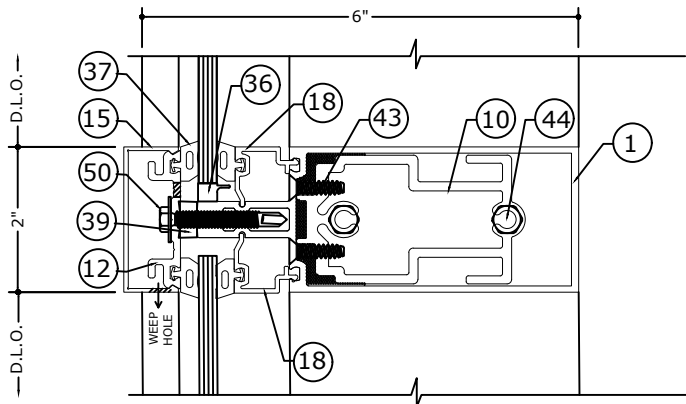
3 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



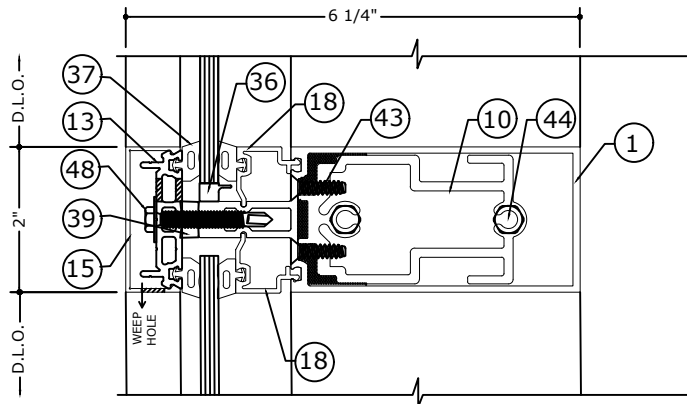
3.1 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



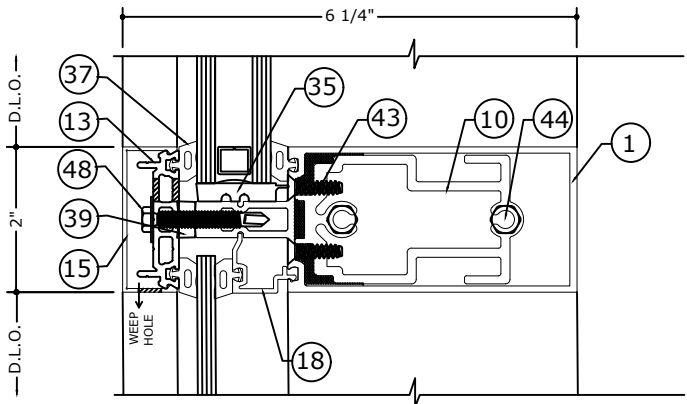
3.2 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



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



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



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

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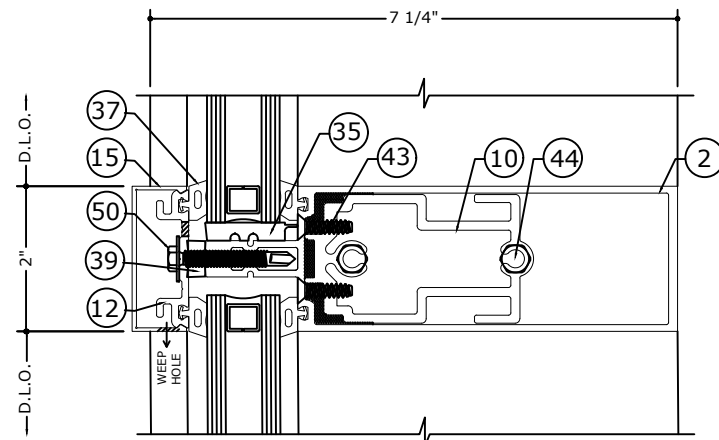
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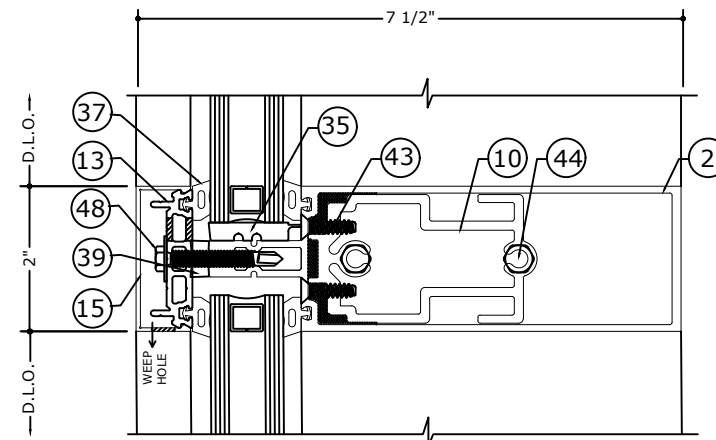
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NOTE: REFER TO SYSTEM INSTALLATION MANUAL
FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

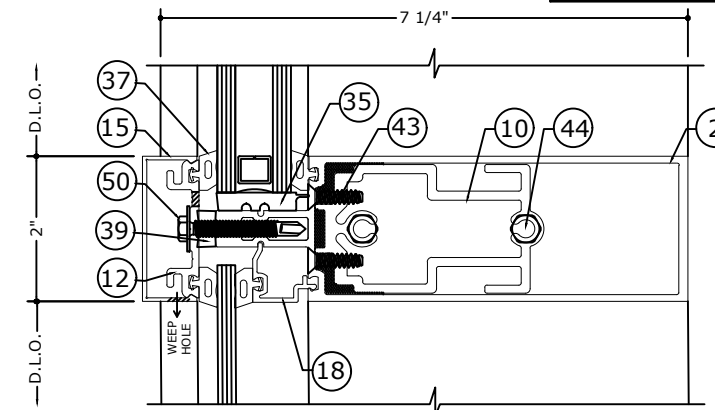
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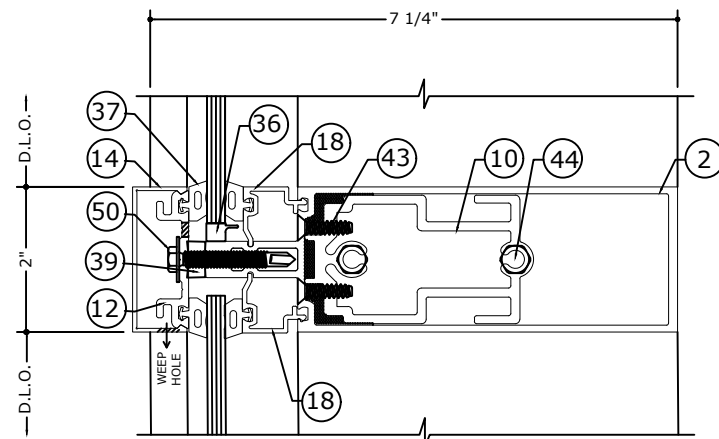
3.6 INTERMEDIATE HORIZONTAL DETAIL



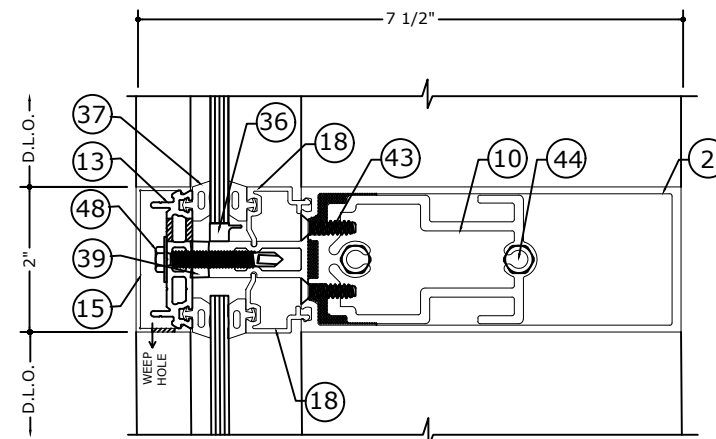
3.7 INTERMEDIATE HORIZONTAL DETAIL



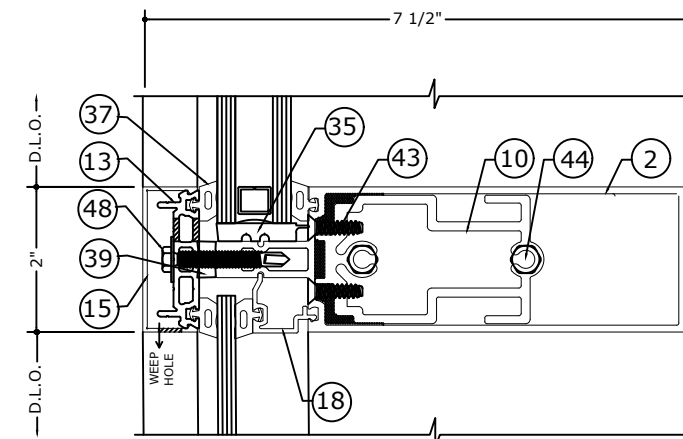
3.8 INTERMEDIATE HORIZONTAL DETAIL



3.9 INTERMEDIATE HORIZONTAL DETAIL



3.10 INTERMEDIATE HORIZONTAL DETAIL



3.11 INTERMEDIATE HORIZONTAL DETAIL

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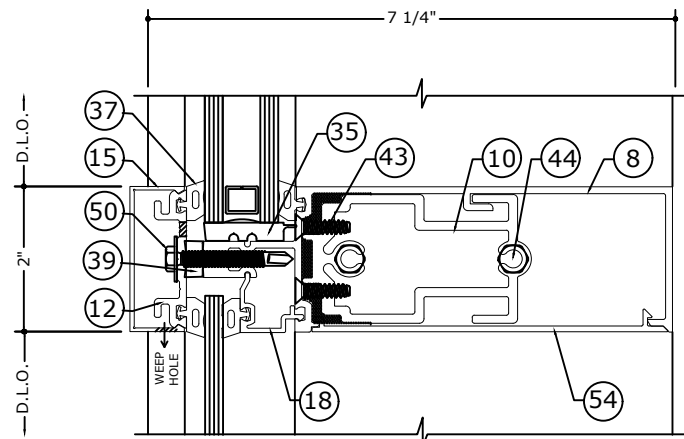
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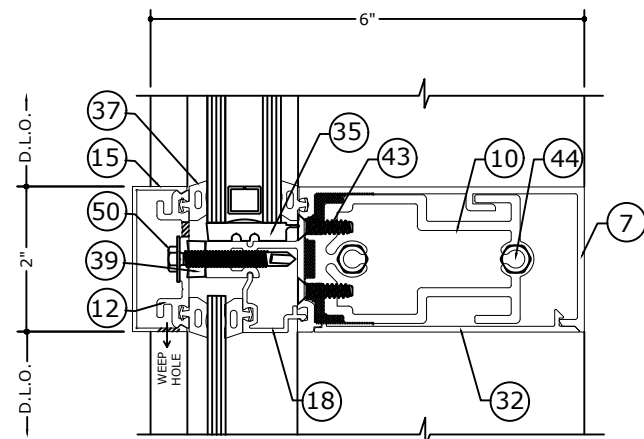
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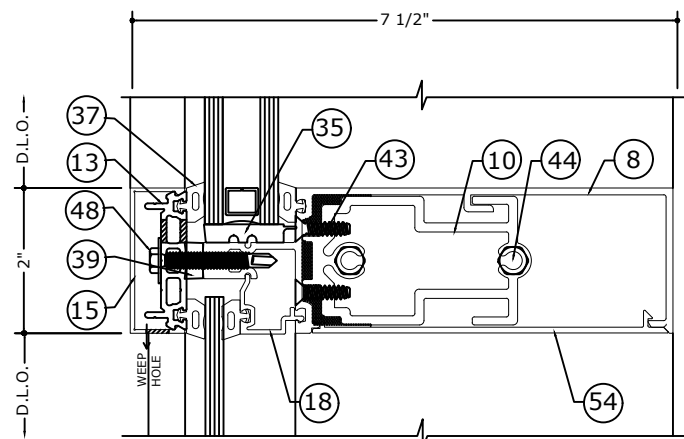
HORIZONTAL DETAILS



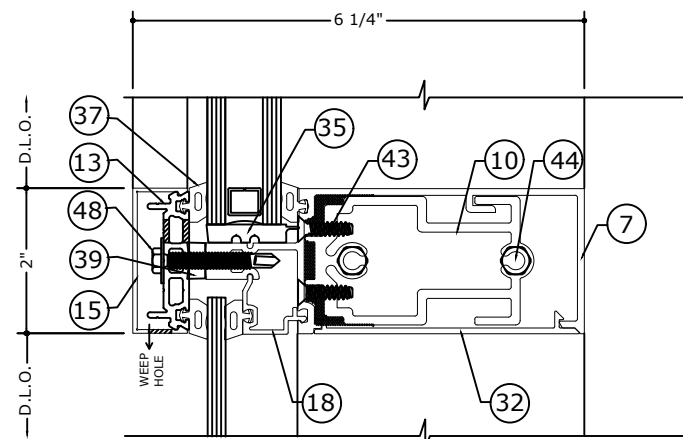
3.12 INTERMEDIATE
HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



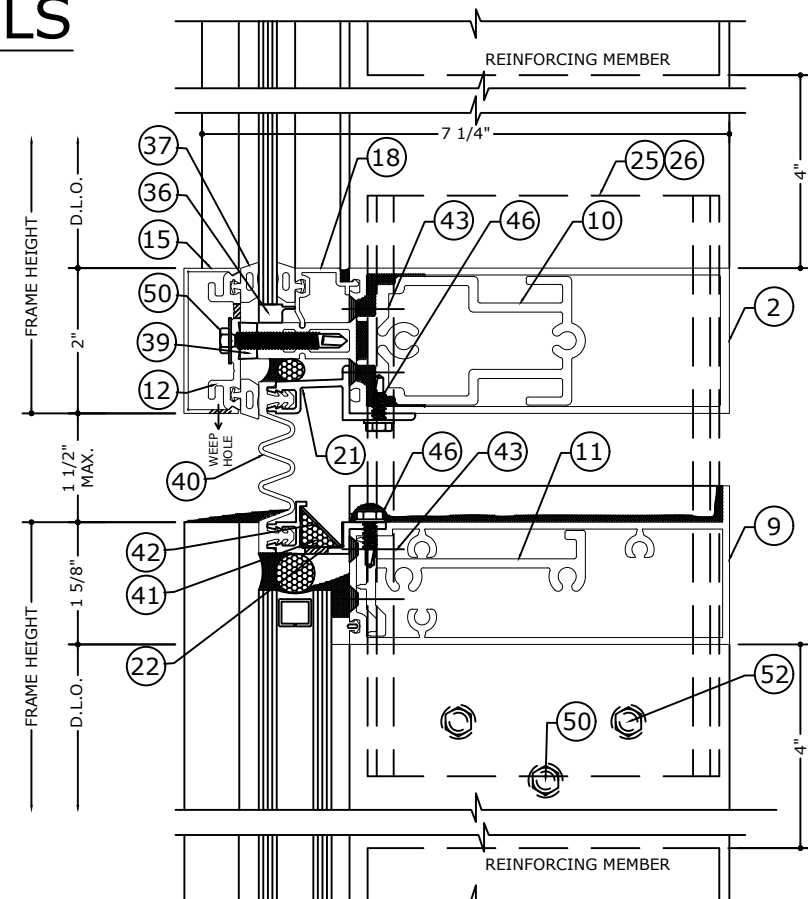
3.14 **INTERMEDIATE
HORIZONTAL DETAIL**
SCALE: 6" = 1'-0"



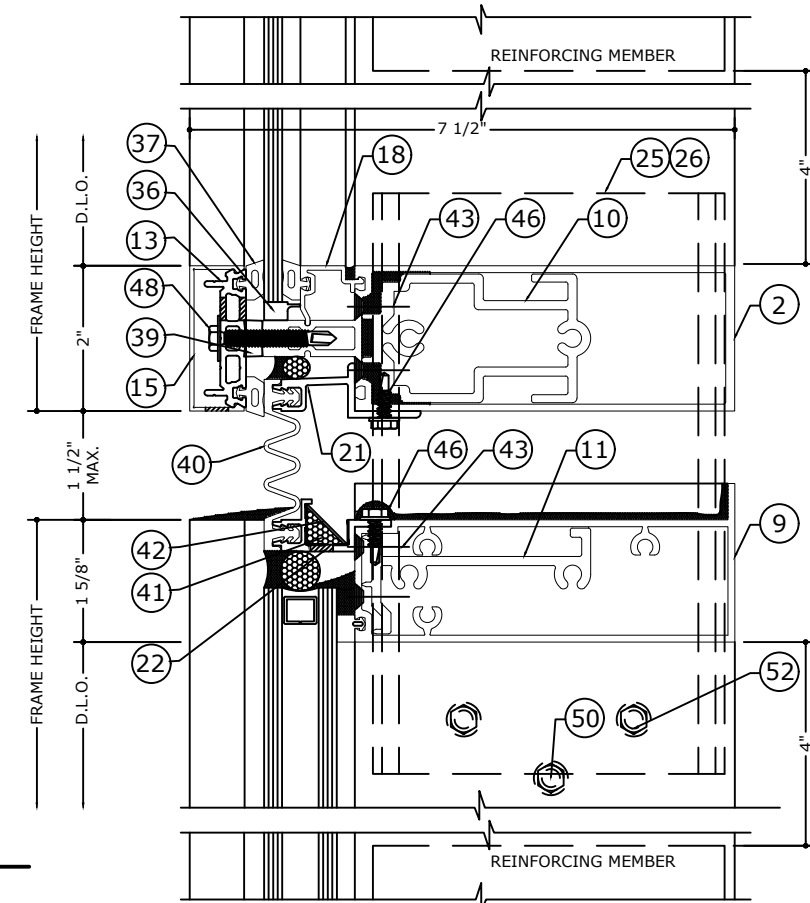
3.13 INTERMEDIATE
HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



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



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

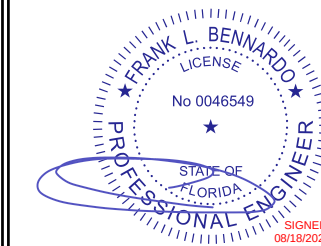


3.17 INTERMEDIATE
HORIZONTAL DETAIL
SCALE: 6" = 1'-0"

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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PE# 0046549 CA# 9885

AUGUST 11, 2026



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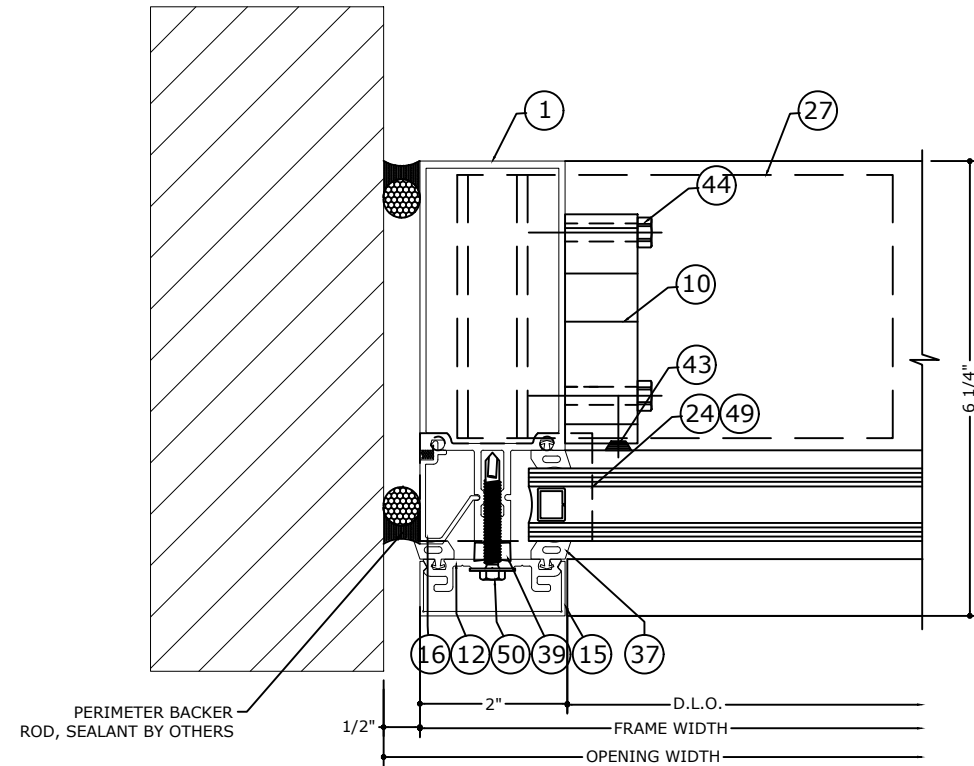
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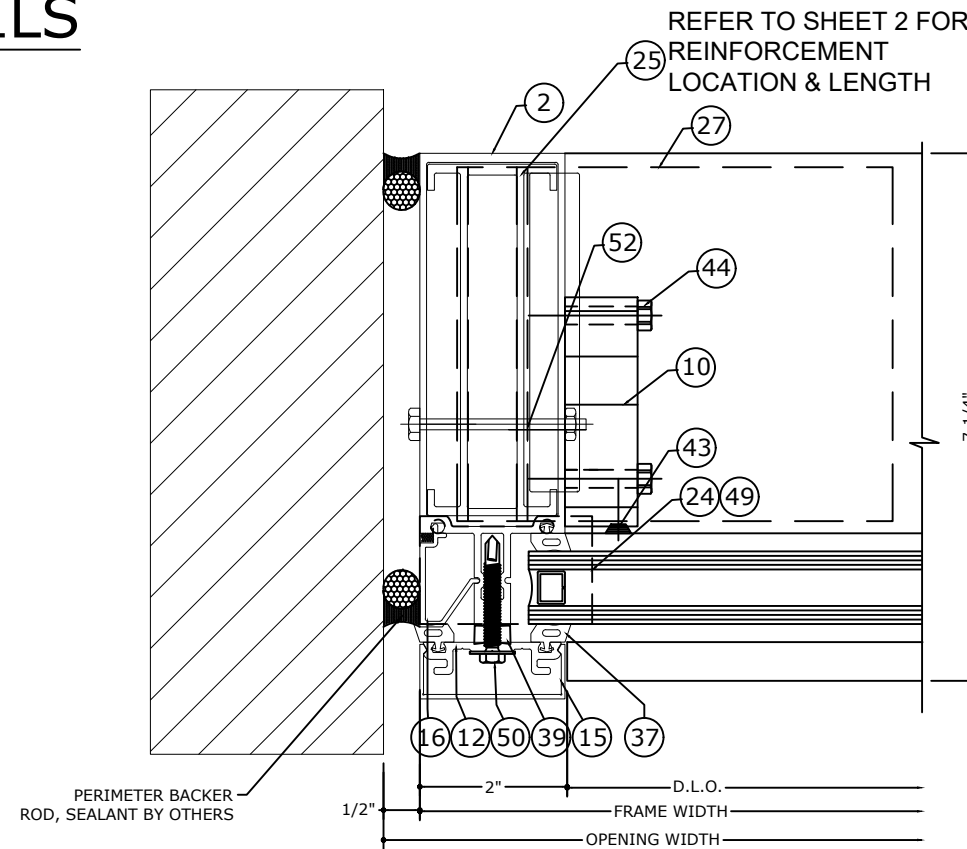
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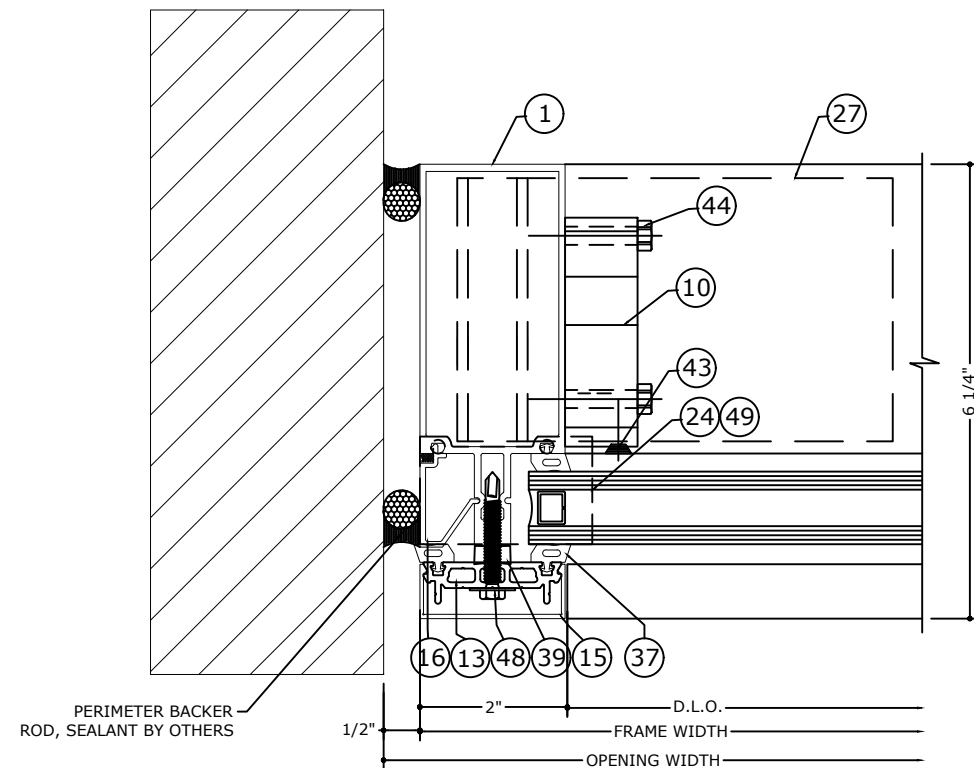
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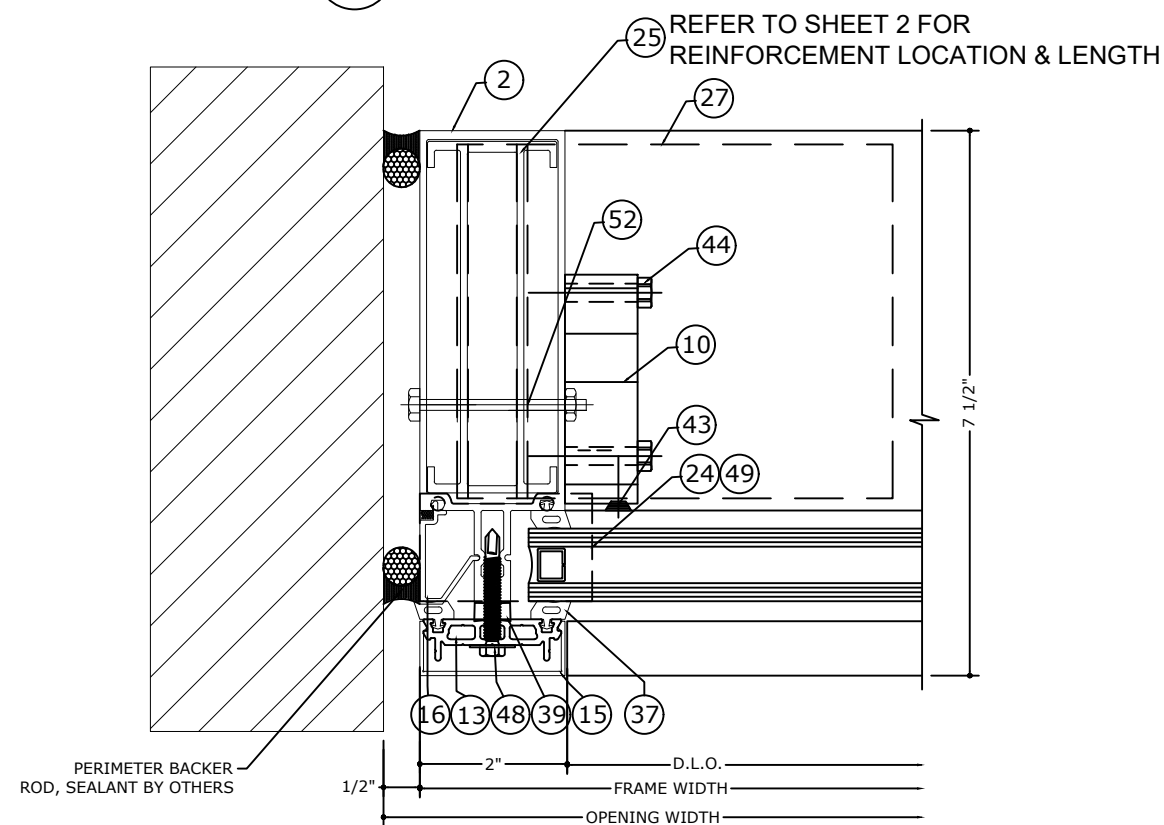
4 JAMB DETAIL - J1
SCALE: 6" = 1'-0"



4.1 JAMB DETAIL - J2
SCALE: 6" = 1'-0"



4.2 JAMB DETAIL - J1
SCALE: 6" = 1'-0"



4.3 JAMB DETAIL - J2

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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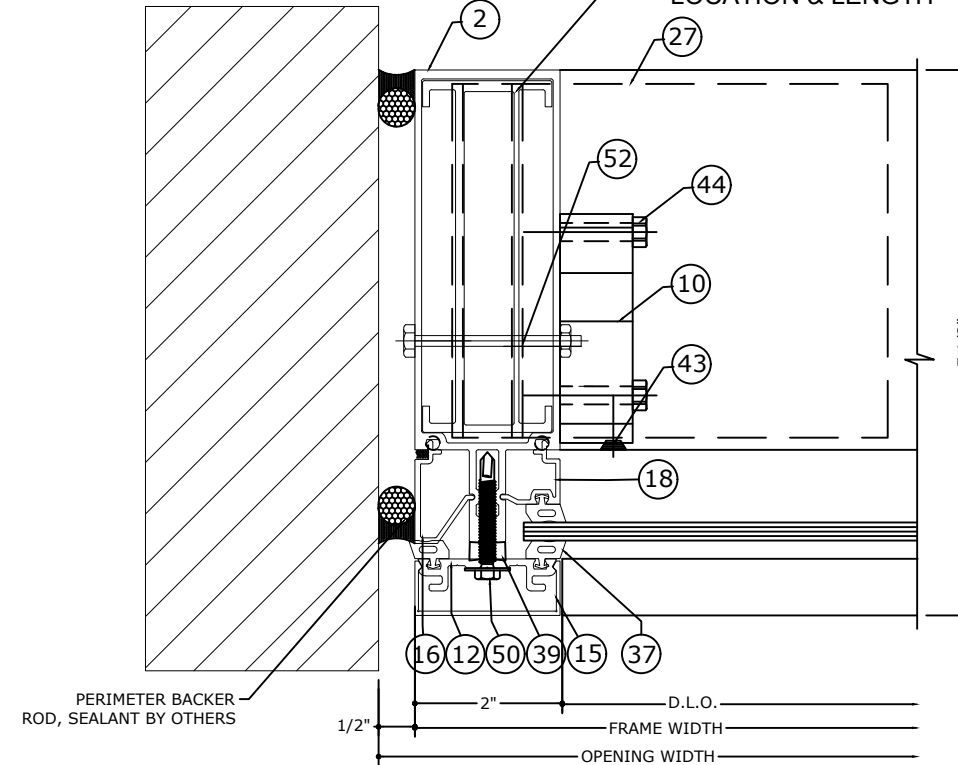
6-101126

SALE: NTS UNLESS NOTED

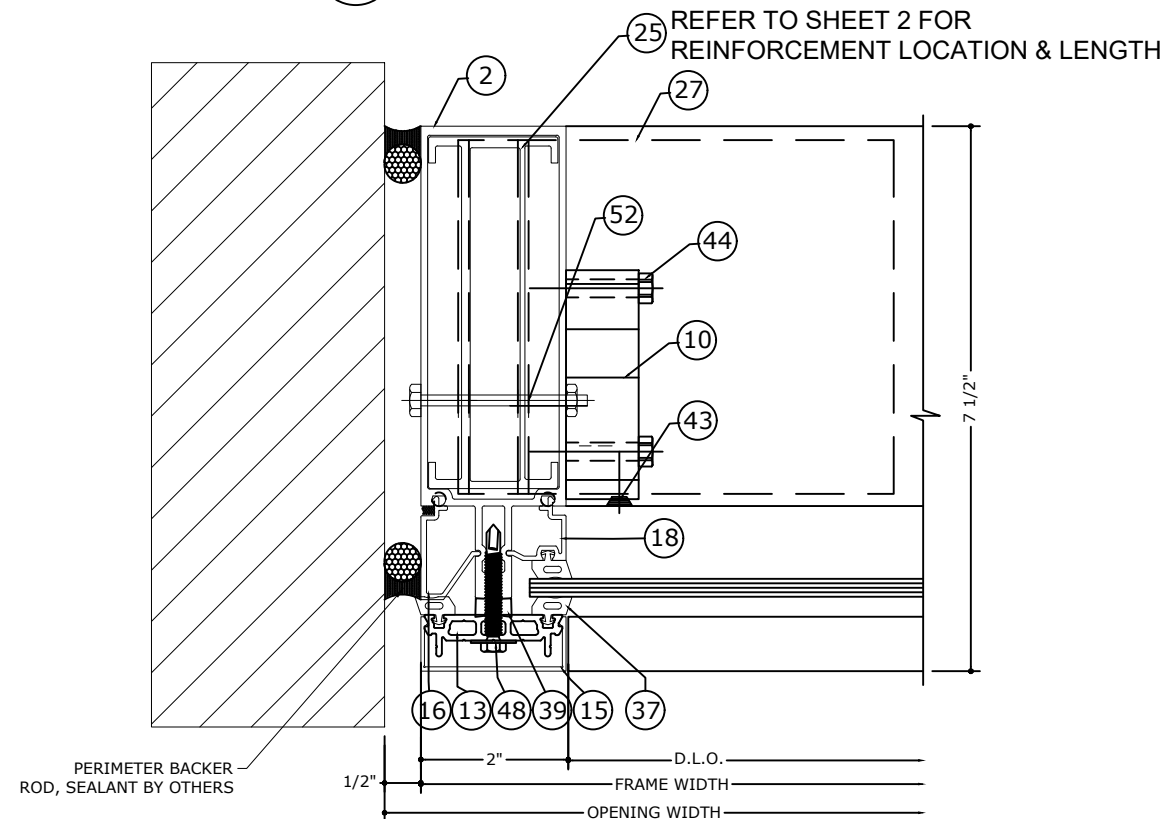
21 OF 34



5) REFER TO SHEET 2 FOR
REINFORCEMENT
LOCATION & LENGTH



4.5 JAMB DETAIL - J2
SCALE: 6" = 1'-0"



4.7 JAMB DETAIL - J2
SCALE: 6" = 1'-0"

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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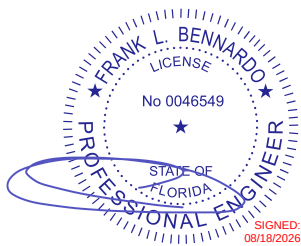
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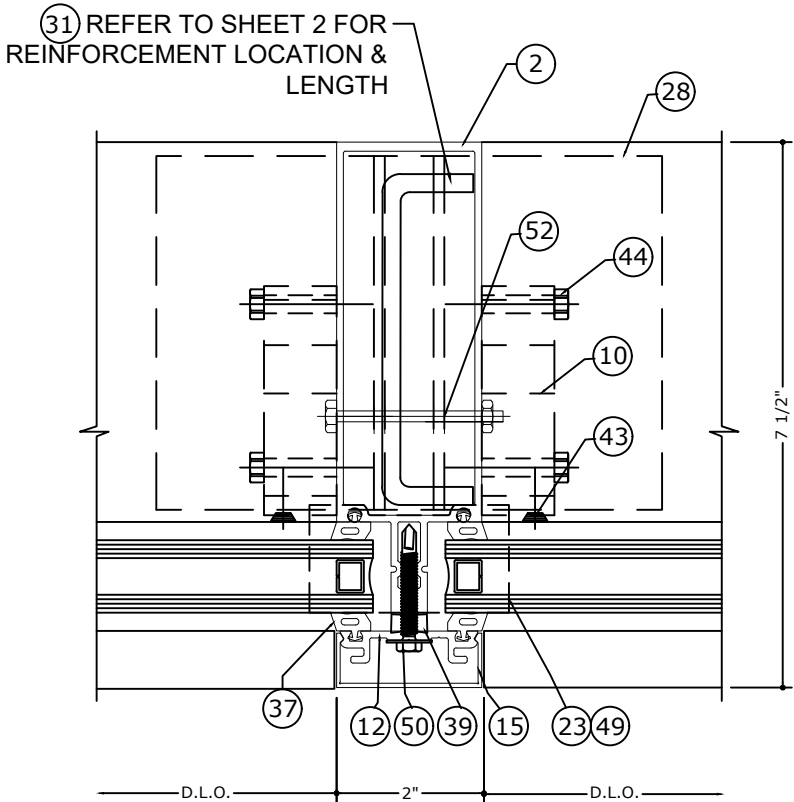
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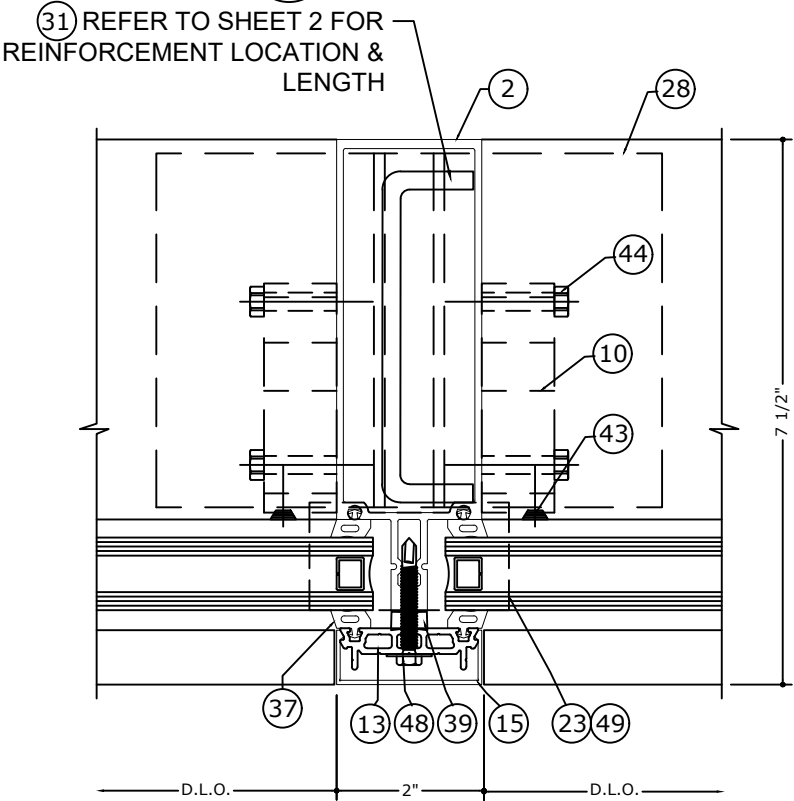


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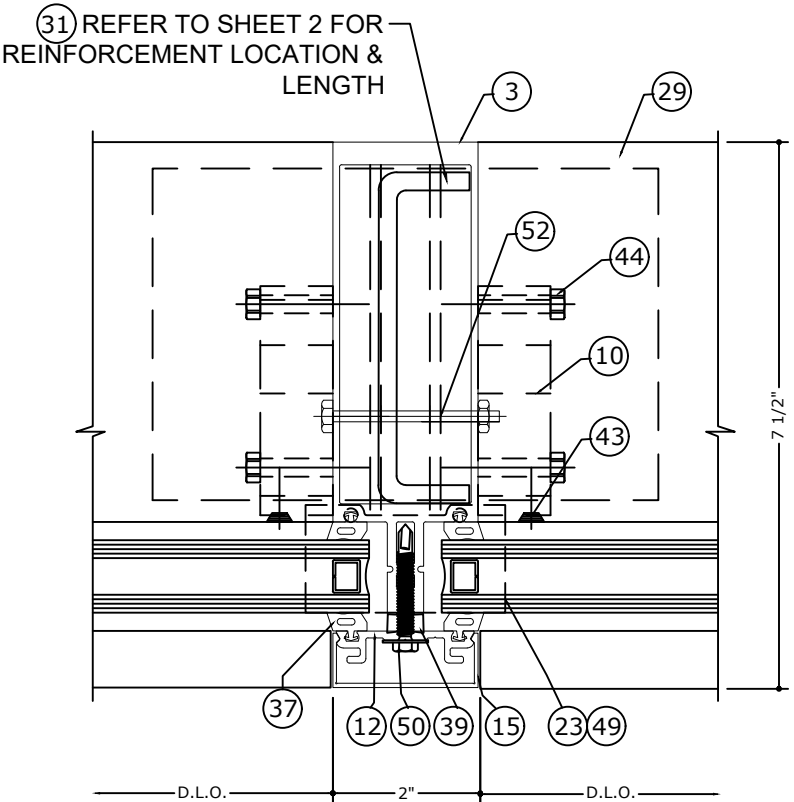
VERTICAL MULLION DETAILS



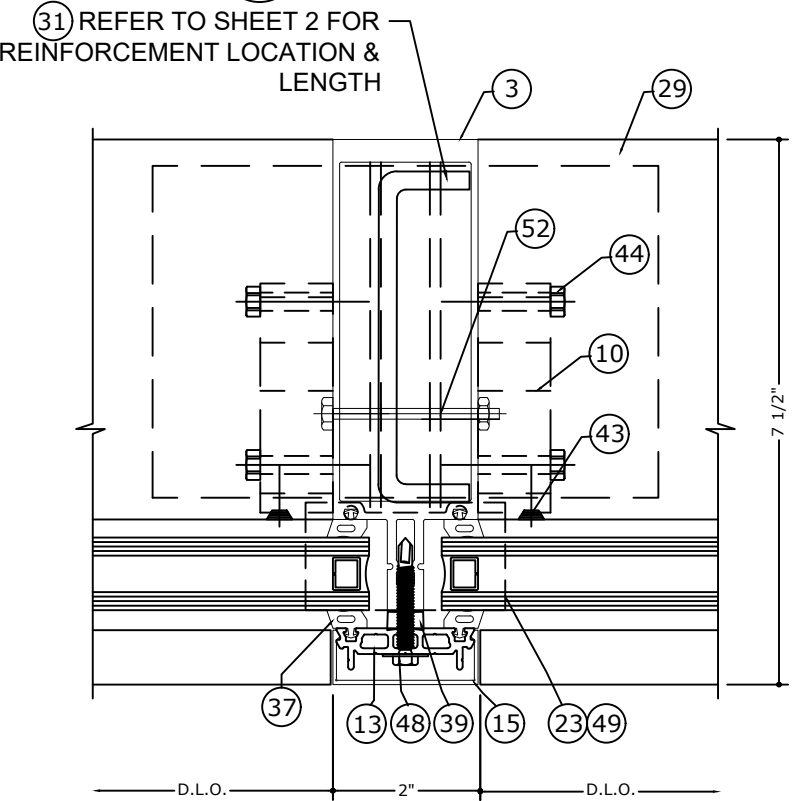
5 VERTICAL DETAIL - M3
SCALE: 6" = 1'-0"



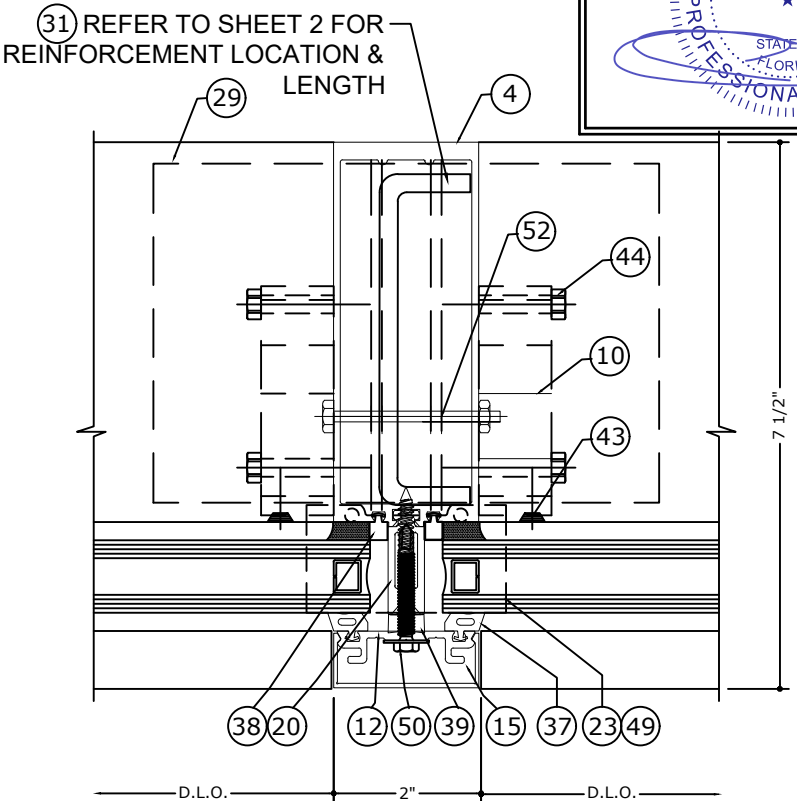
5.3 VERTICAL DETAIL - M3
SCALE: 6" = 1'-0"



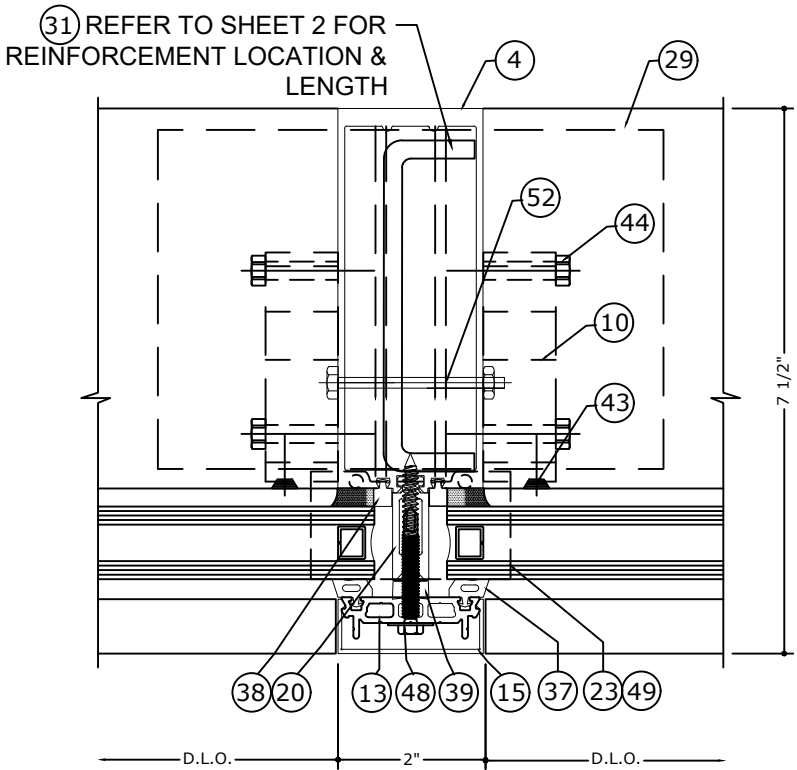
5.1 VERTICAL DETAIL - M4
SCALE: 6" = 1'-0"



5.4 VERTICAL DETAIL - M4
SCALE: 6" = 1'-0"



5.2 VERTICAL DETAIL - M2
SCALE: 6" = 1'-0"



5.5 VERTICAL DETAIL - M2
SCALE: 6" = 1'-0"

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

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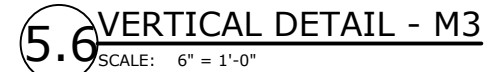
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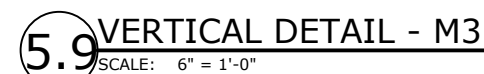


③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



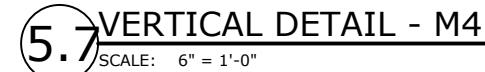
SCALE: 6" = 1'-0"

③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



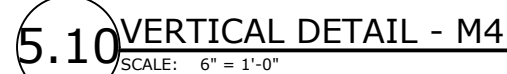
SCALE: 6" = 1'-0"

③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



SCALE: 6" = 1'-0"

③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



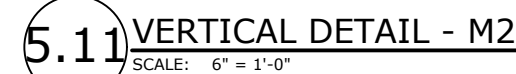
SCALE: 6" = 1'-0"

③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



9 SCALE: 6" = 1'-0"

③1 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



SCALE: 6" = 1'-0"

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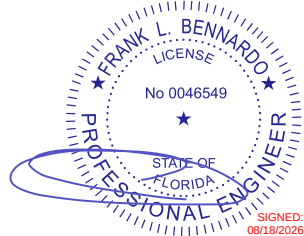
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VERTICAL MULLION DETAILS

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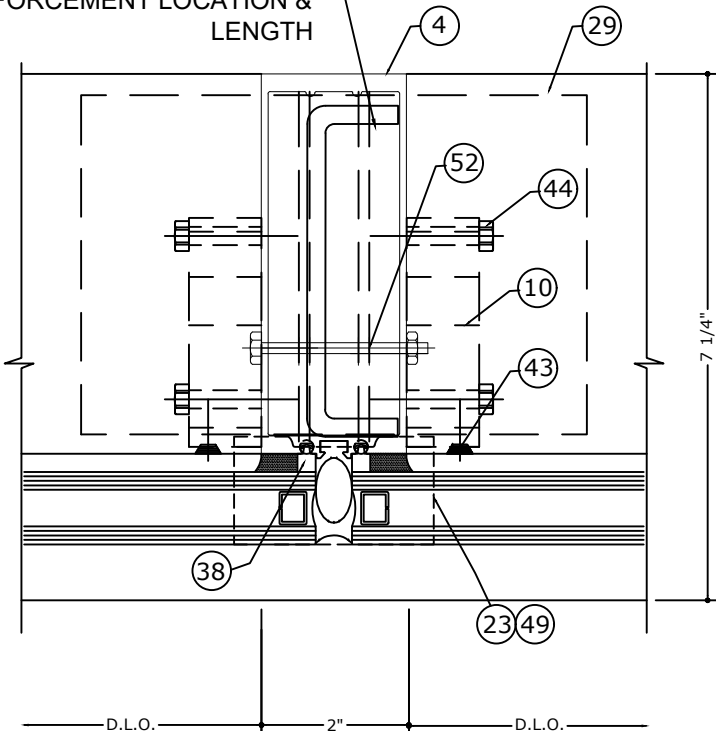
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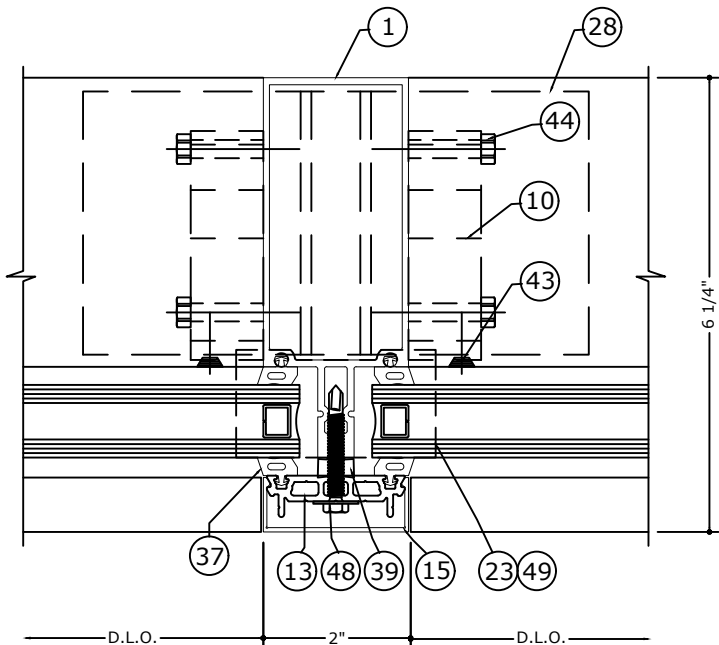
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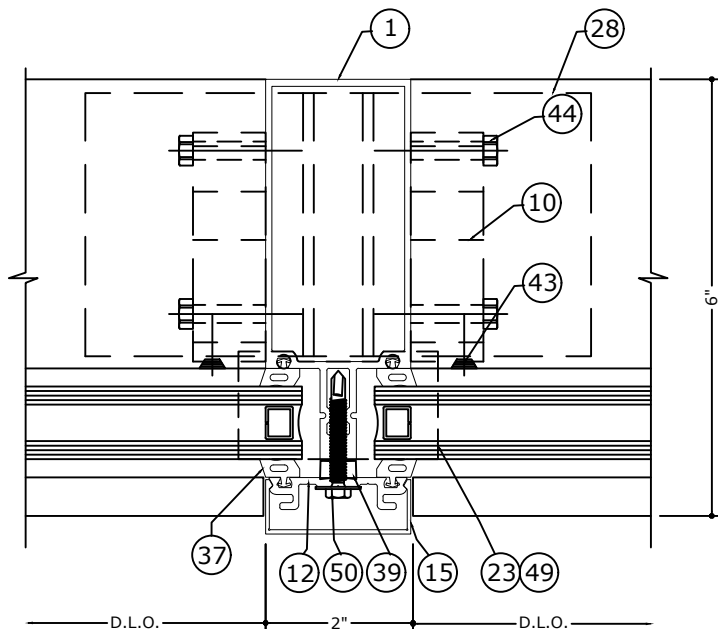
31 REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH



5.12 VERTICAL DETAIL - M2
SCALE: 6" = 1'-0"



5.13 VERTICAL DETAIL - M1
SCALE: 6" = 1'-0"

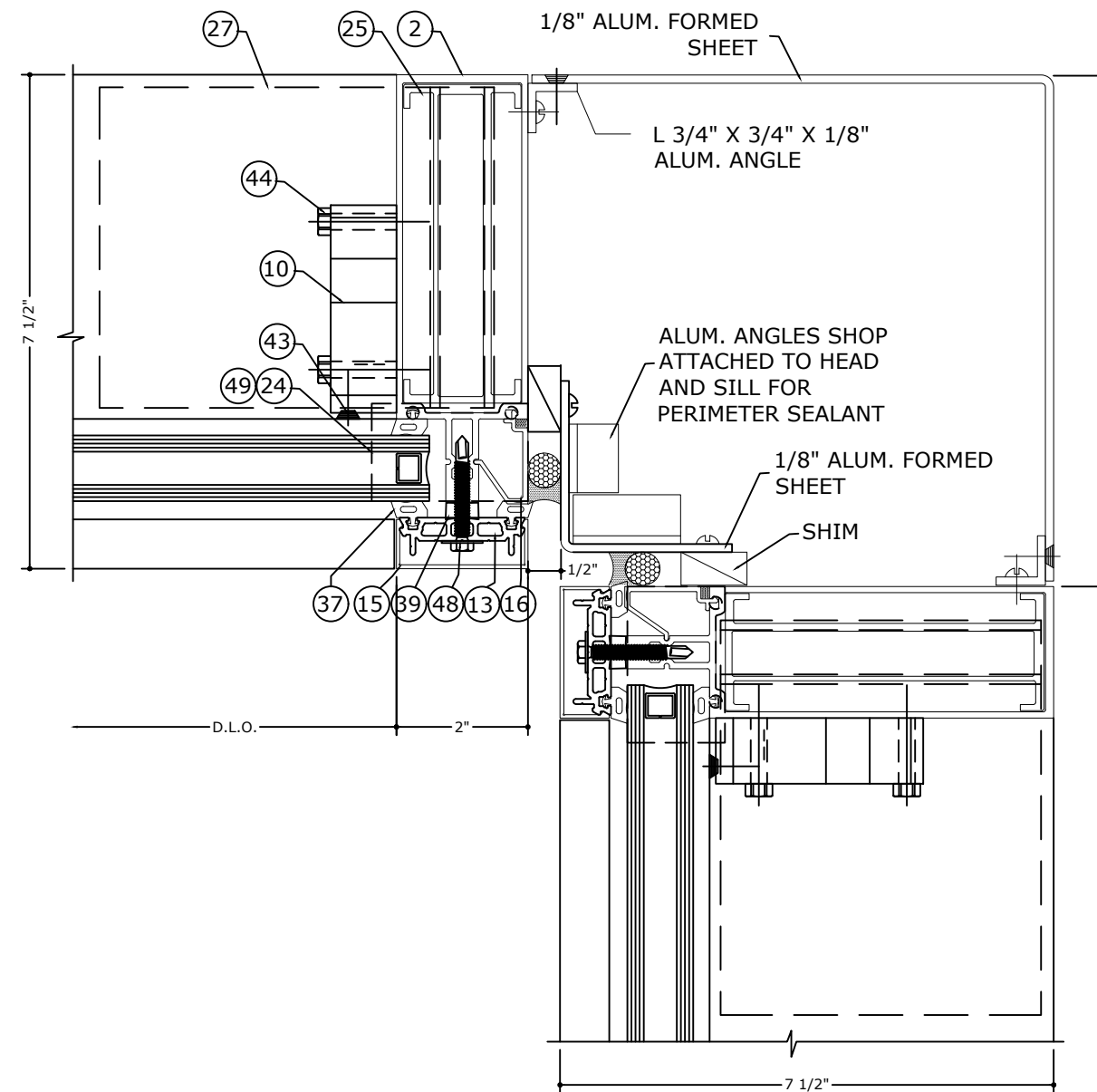


5.14 VERTICAL DETAIL - M1
SCALE: 6" = 1'-0"

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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6.1 CORNER DETAIL
SCALE: 6" = 1'-0"

NOTE:
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OUTSIDE CORNER DETAILS

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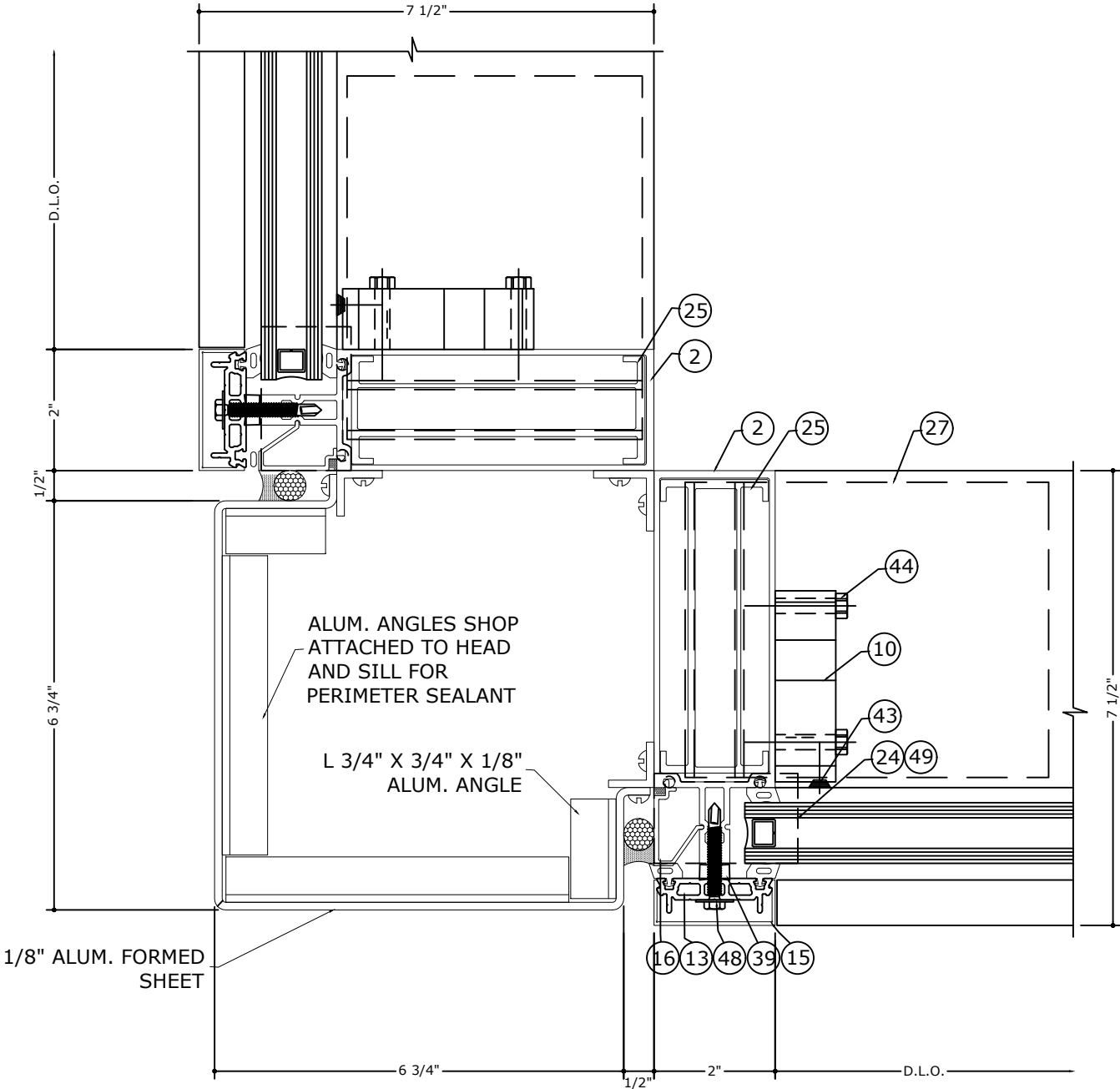
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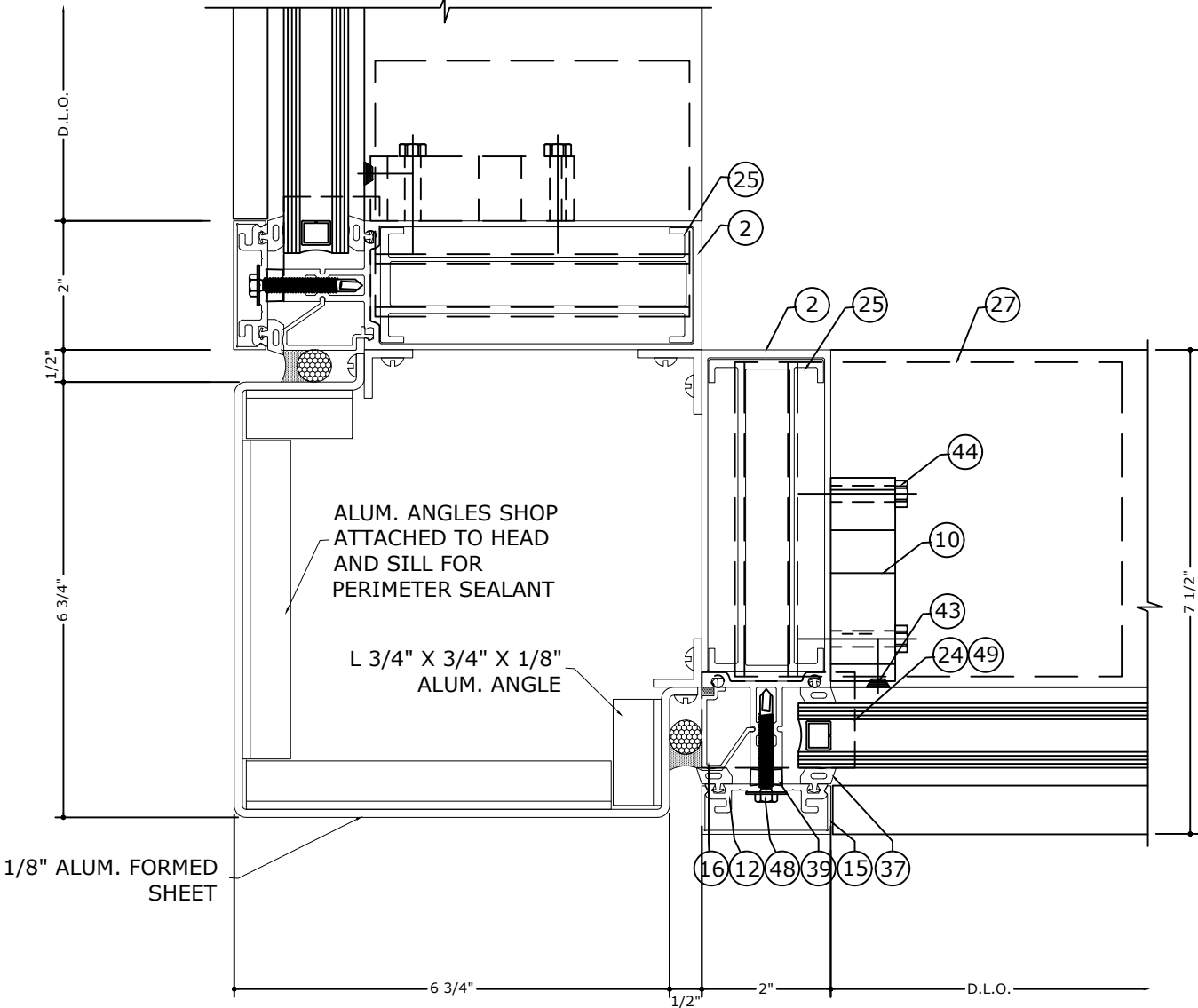
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6.2 CORNER DETAIL
SCALE: 6" = 1'-0"

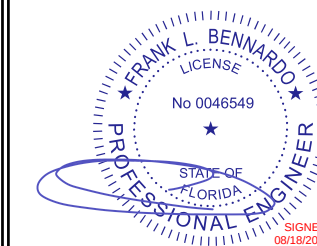
NOTE:
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ENGINEERING AND SHALL BE APPROVED BY
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6.3 CORNER DETAIL
SCALE: 6" = 1'-0"

NOTE:
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NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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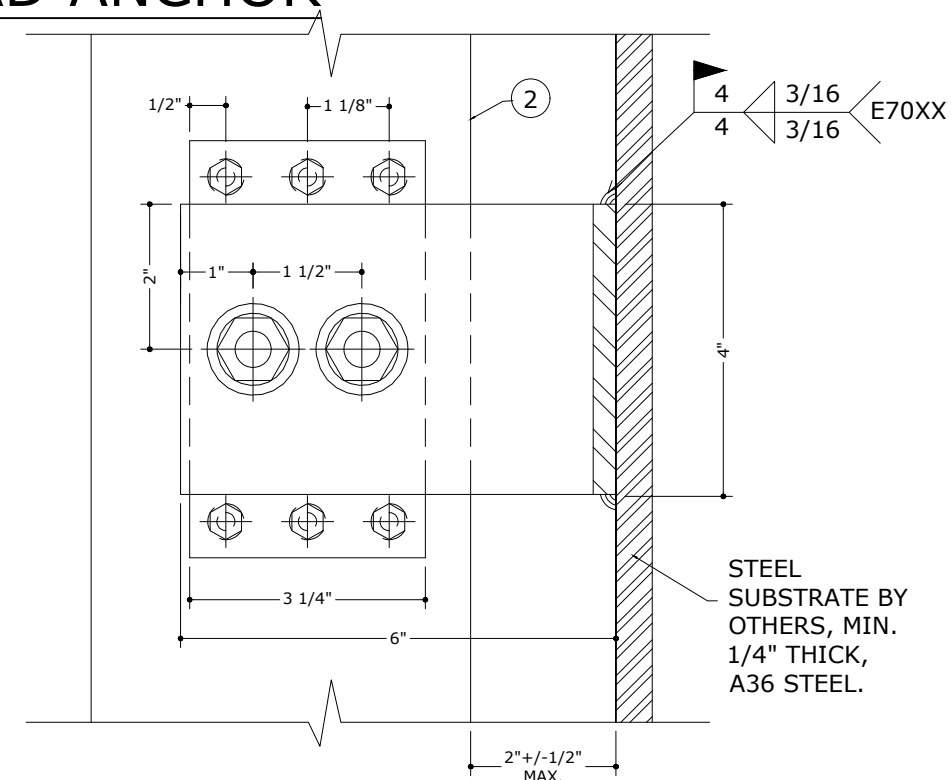
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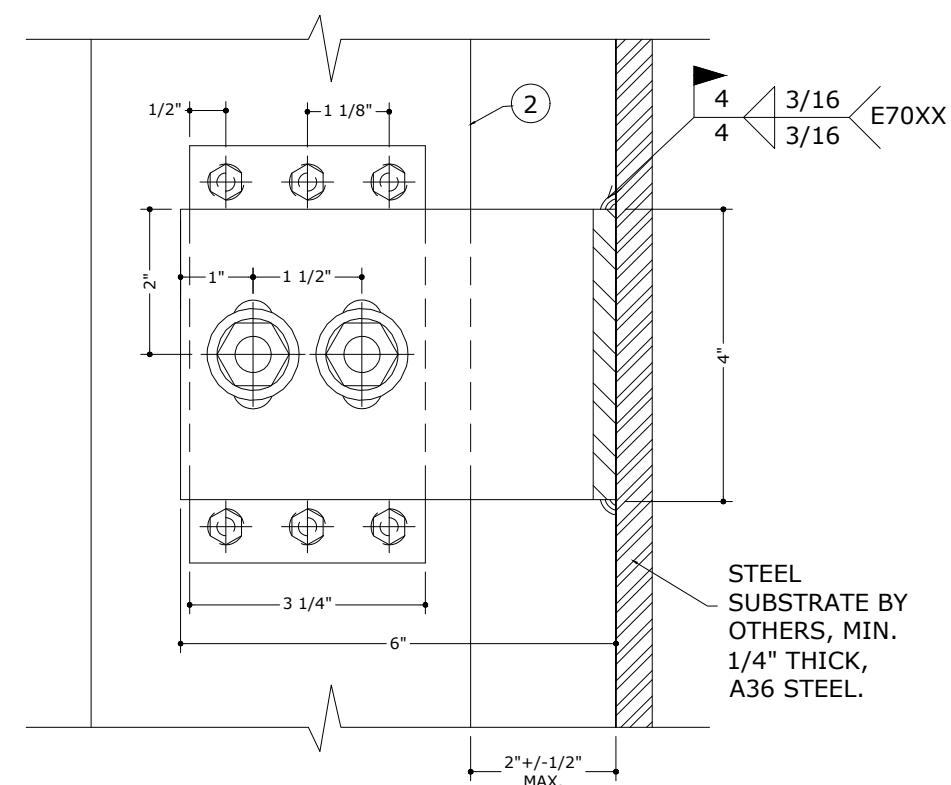
28 OF 34



DEAD LOAD ANCHOR AT JAMB DETAIL

SCALE: 6" = 1'-0"

(SIDE VIEW)



WIND LOAD ANCHOR AT JAMB DETAIL

SCALE: 6" = 1'-0"

(SIDE VIEW)

*NOTE:
FOR SPANS LISTED ON MULLION TABLES.



Technical drawing of a vertical support structure, likely a beam-to-column connection. The drawing shows a cross-section of a steel beam with various components labeled with circled numbers (12, 15, 18, 37, 39, 50) and dimensions (2 inches, 7 1/4 inches). The drawing includes a top flange with a 4x6x4 long steel angle (A-35 min.) and a bottom flange with a 4x6x4 long steel angle (A-35 min.). The beam is supported by a base plate with a central vertical rod and a horizontal rod. The drawing is labeled with 'E70XX' on the left and right sides.

Technical drawing of a door assembly showing a cross-section of the door frame and door. The drawing includes callouts for various components: 4 (door frame), 57 (door hinge), 38 (door latch), and 5 (door handle). Dimensions are provided for the door frame (3/16, 4, 4) and the door (6 1/2"). The door is labeled E70XX.

Technical drawing of a steel substrate assembly. The drawing shows a cross-section of a steel substrate (hatched area) with a nylon pad (indicated by a line pointing to the top surface) and two circular components (possibly bolts or fasteners) mounted on the surface. Dimensions are provided for the components and the substrate.

Dimensions and Labels:

- E70XX**: Label for the weld or fastener.
- 3/16**: Dimension for the thickness of the components.
- 4**: Dimension for the height of the components.
- 1"**: Dimension for the spacing between the components.
- 1 1/2"**: Dimension for the spacing between the components.
- 2"**: Dimension for the height of the components.
- 6"**: Dimension for the width of the components.
- 4"**: Dimension for the height of the substrate.
- 2" +/- 1/2" MAX.**: Dimension for the total width of the assembly.
- NYLON PAD**: Label for the top surface.
- STEEL SUBSTRATE BY OTHERS, MIN. 1/4" THICK, A36 STEEL.**: Label for the hatched area.
- 4** and **3**: Dimensions for the components.

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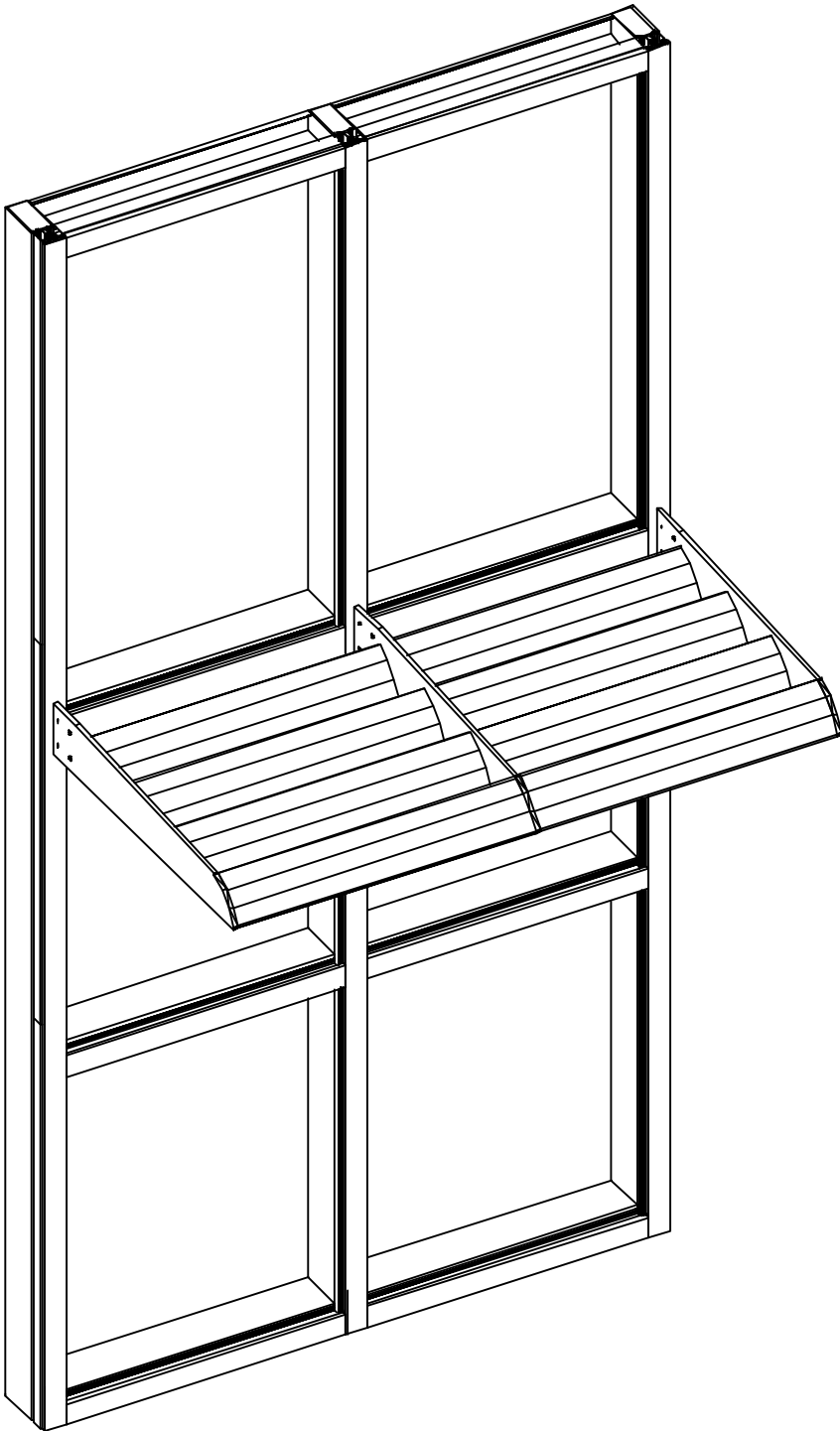
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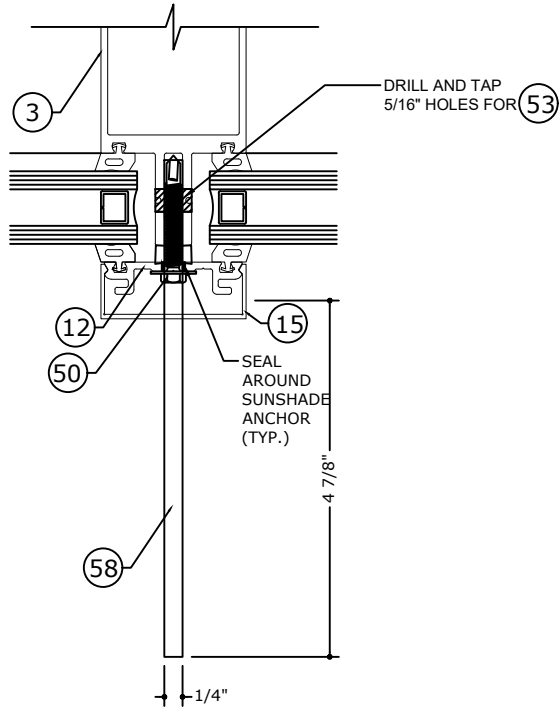
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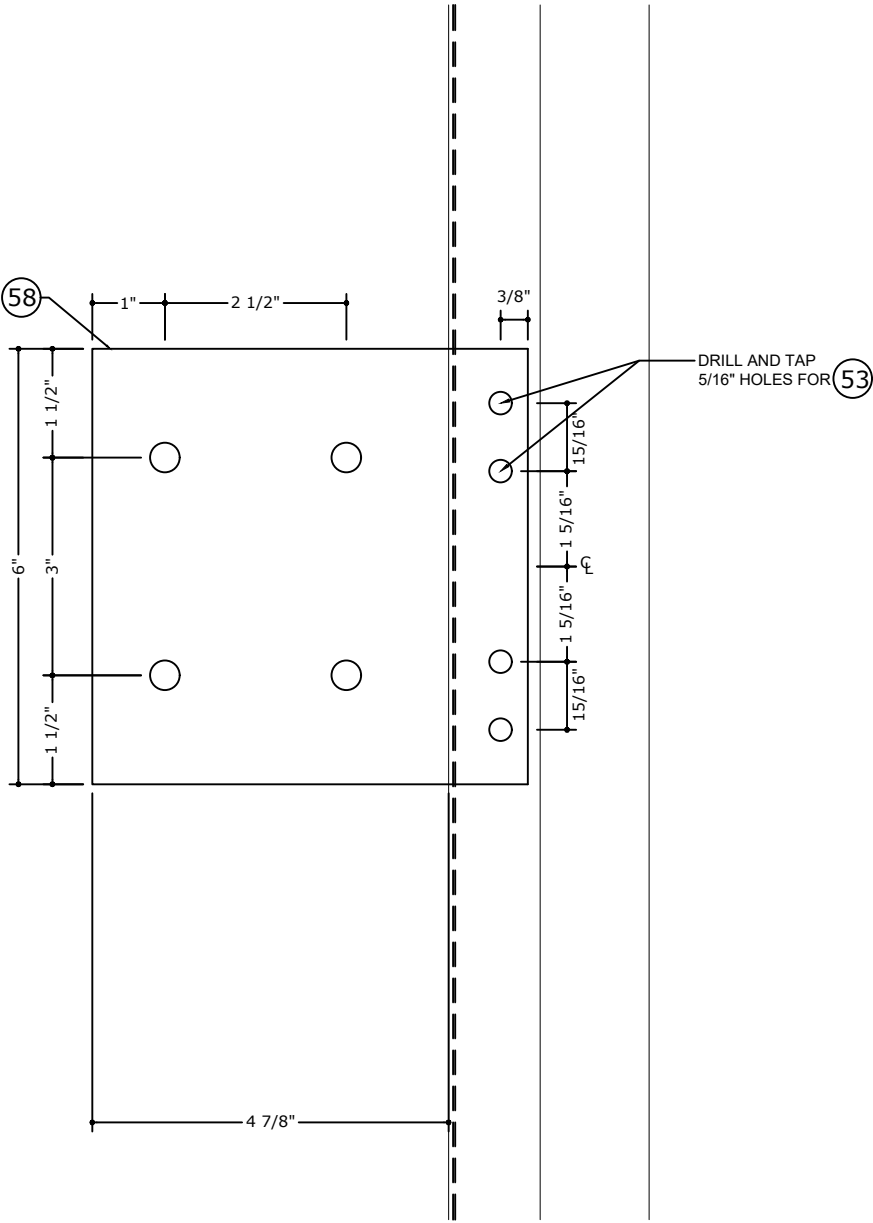
SUNSHADE OPTION



SUNSHADE ANCHOR DETAILS



SUNSHADE ANCHOR DETAIL
SCALE: 6" = 1'-0" (TOP VIEW)

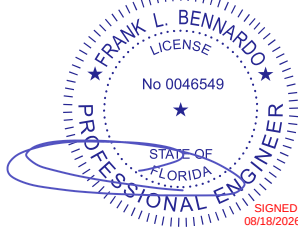


SUNSHADE ANCHOR DETAIL
SCALE: 6" = 1'-0" (SIDE VIEW)

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

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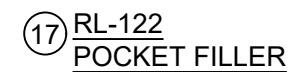
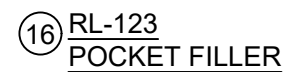
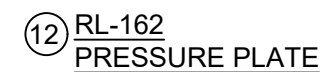
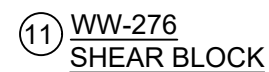
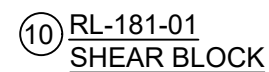
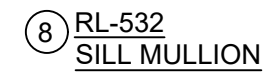
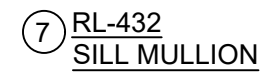
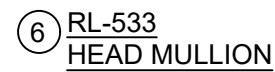
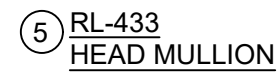
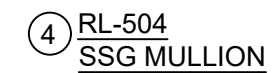
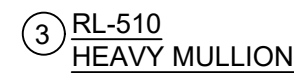
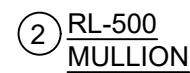
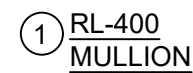
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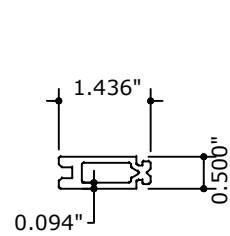
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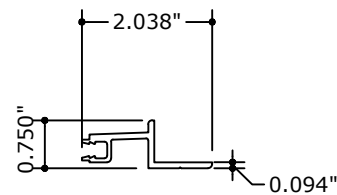
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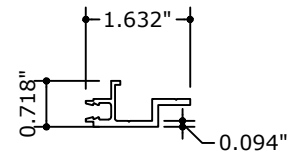
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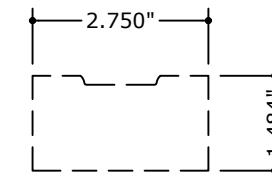
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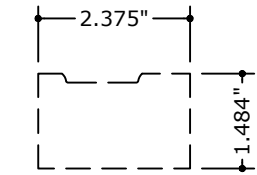
②1 RL-257
GASKET RETAINER



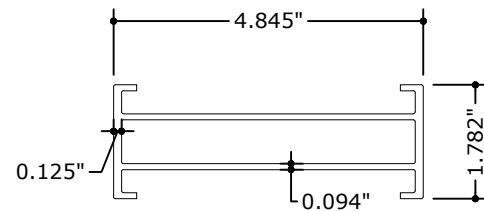
②② RL-258
GASKET RETAINER



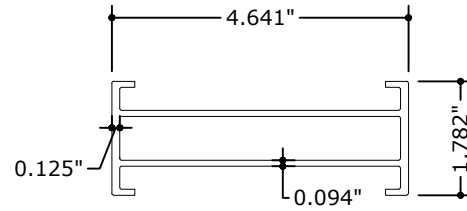
②③ RL-325
MULLION CAP



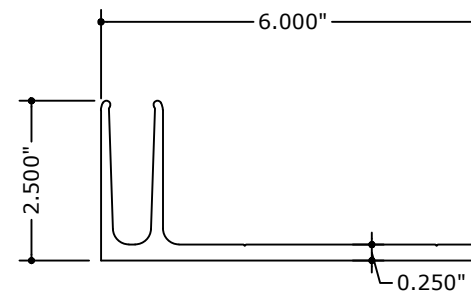
(24) RL-325
MULLION CAP (MODIFIED)



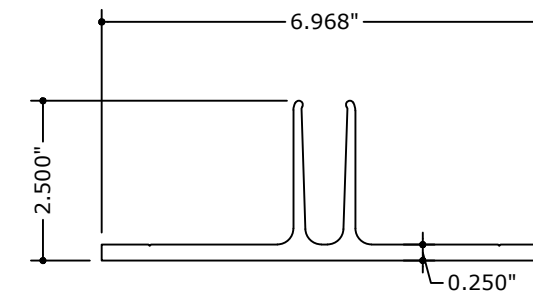
25 RL-194
MULLION ALUMINUM
REINFORCEMENT



26 RL-195
MULLION ALUMINUM
REINFORCEMENT



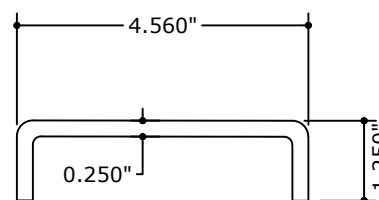
②7 RL-103-02
F-ANCHOR (FOR RL-500)



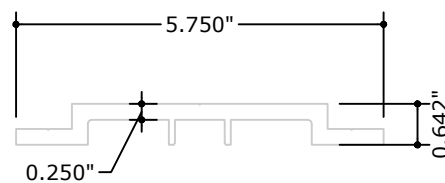
②⑧ RL-102-02
T-ANCHOR (FOR RL-500)

②9 RL-102-04
T-ANCHOR (FOR RL-504 & 510)

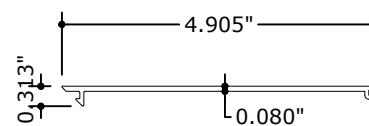
⑤⑤ RL-102-01
T-ANCHOR (FOR RL-400)



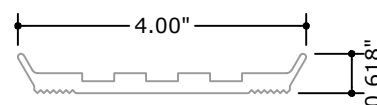
31 FG-5000-PP-8
MULLION STEEL
REINFORCEMENT



30 WW-2223
JAMB ANCHOR PLATE



③ WW-237
FILLER



(33) GP-114 SIDE BLOCK



③④ FS-318
PRESSURE PLATE SCREWS

FL 17691.6

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OLDCASTLE BUILDING ENVELOPE®

803 AIRPORT RD.
TERRELL, TX 75160
(972) 551-6100

RELANCE™ LT CURTAINWALL
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#17691.6)

[illegible]

26-101126

SCALE: NTS UNLESS NOTED

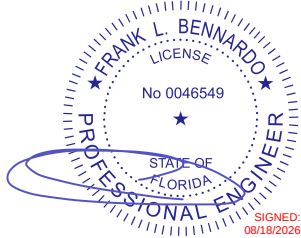
32 OF 34

Z:\Shared\PROJECTS\26-101121 2026 Multiple Product FBC Update FL17691\Work\FBC 2026\DL-QA-PE Review

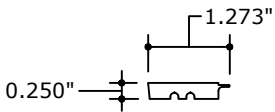
RELIANCE LT CURTAIN WALL SYSTEM COMPONENTS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

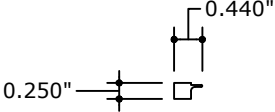
AUGUST 11, 2026



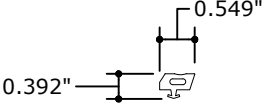
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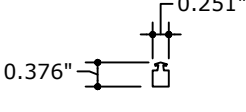
35 GP-101
SETTING BLOCK



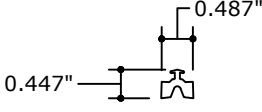
36 GP-101 (MODIFIED)
SETTING BLOCK



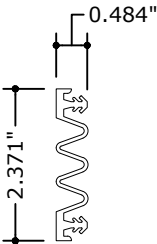
37 GP-103
INT. / EXT. GASKET



38 GP-106
SPACER GASKET



39 GP-142
ISOLATOR GASKET



40 GP-144
EXPANSION GASKET



43 FS-7
PFH SCREW



44 FS-9
HHTS SCREW



45 FS-13
PFH SCREW



46 FS-19
EXPANSION RETAINER
ATTACHMENT



47 FS-55
PPH SCREW



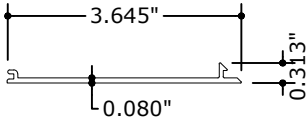
48 FS-315
HWH SCREW



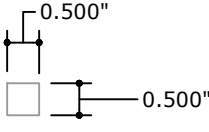
50 FS-325
HH SCREW



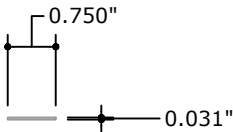
51 FS-336
HWH SCREW



54 WW-236
FILLER



41 HP-1004
BAFFLE



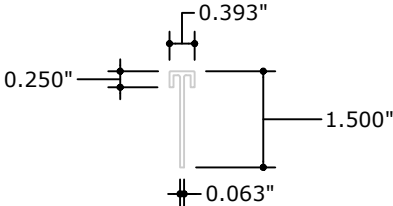
42 SPW-295
RETAINER



49 FS-320
#12-24 x 1-3/8"
HWH SELF DRILLING
SCREW



53 FS-86
3/8"-16 x 1/2" S.S.
SET SCREW



58 IW-107-02
SUNSHADE ANCHOR

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FLORIDA STATEWIDE APPROVAL (FSA FL#17691.6)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	05/23/23
2023 FBC (23-59830f)	SQ	RS	08/31/23
2026 FBC UPDATE	AEG	RS	08/11/26
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34					OF 34