

SERIES 700SG

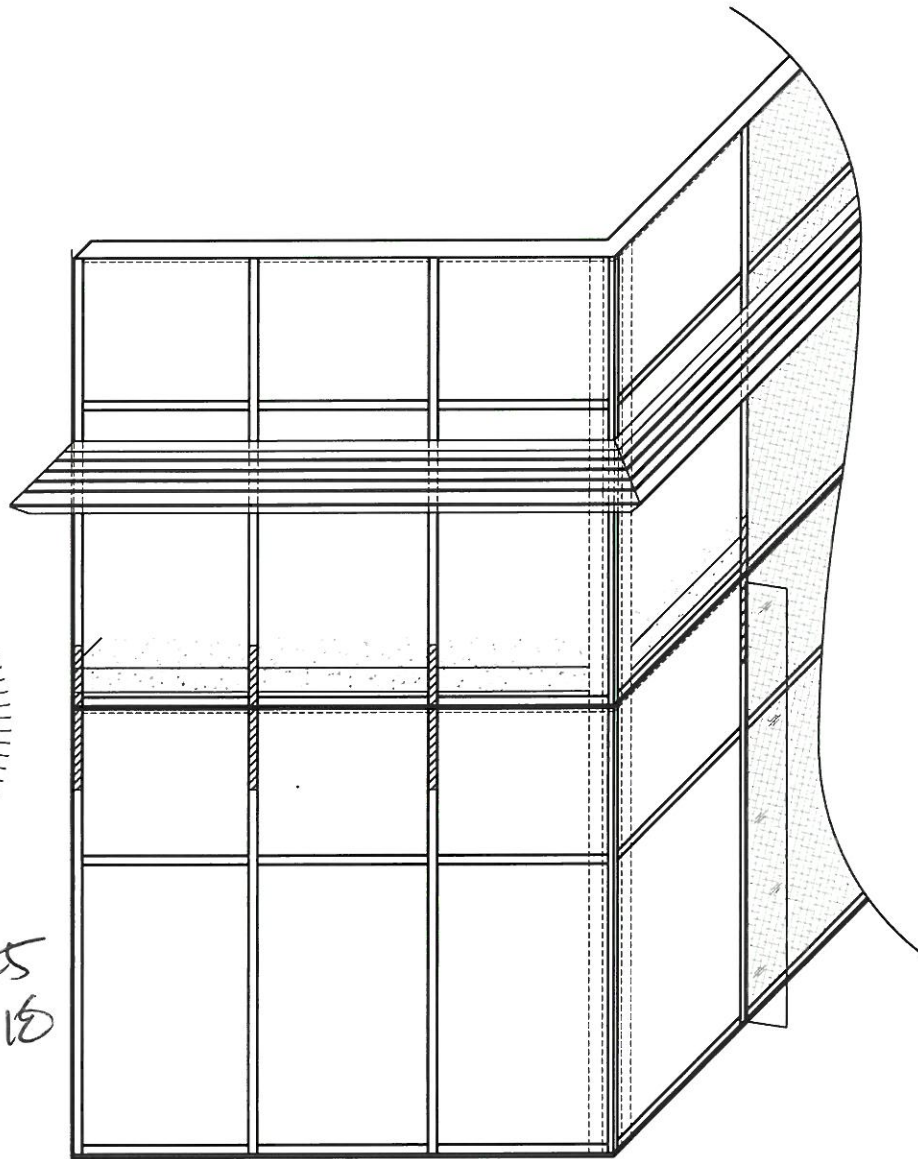
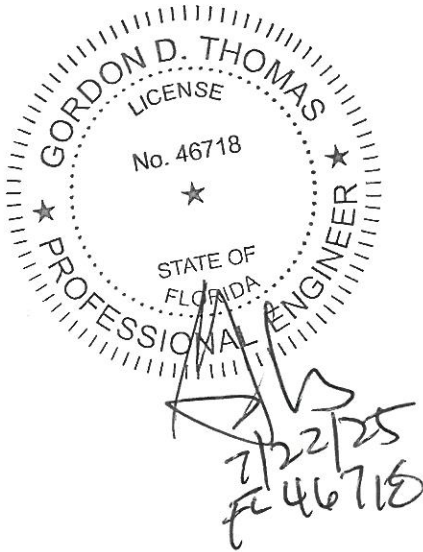
ALUMINUM CURTAIN WALL

"NON-IMPACT"

GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the Florida Building Code.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2023 FBC.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ".

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14	COMPONENTS
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700SG CURTAIN WALL DESIGN PRESSURE TABLE							
MAX UNIT HEIGHT	MAX UNIT WIDTH	GLAZING TYPE	GLAZING CONDITION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)		IMPACT RATING
					POSITIVE	NEGATIVE	
144"	60"	GL1	CAPTURED	57" X 95-5/8"	+75	-75	NON IMPACT
144"	60"	GL1	BUTT GLAZED	57" X 95-5/8"	+75	-75	NON IMPACT

5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



PRODUCT:
SERIES 700SG CURTAIN WALL
NON-IMPACT

OR ASSEMBLY:

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023)	FBC
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC
			JCB
			ECV

DATE: 12/07/17

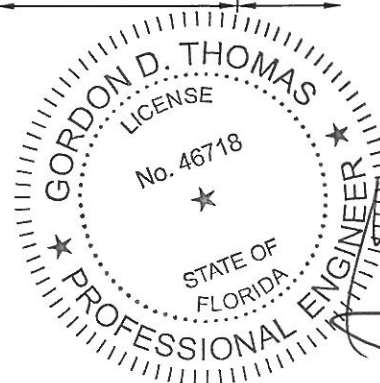
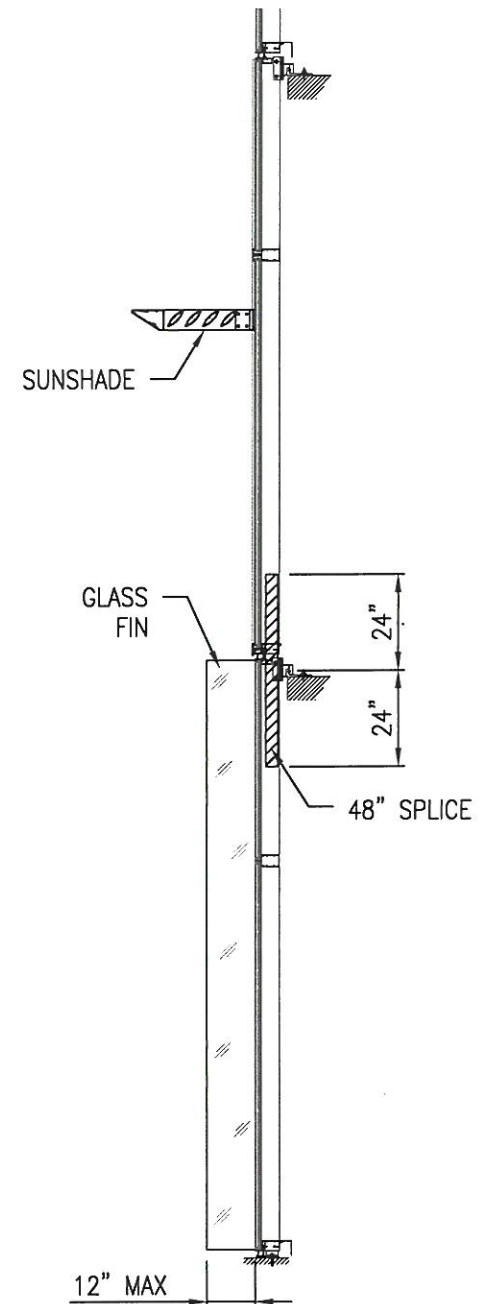
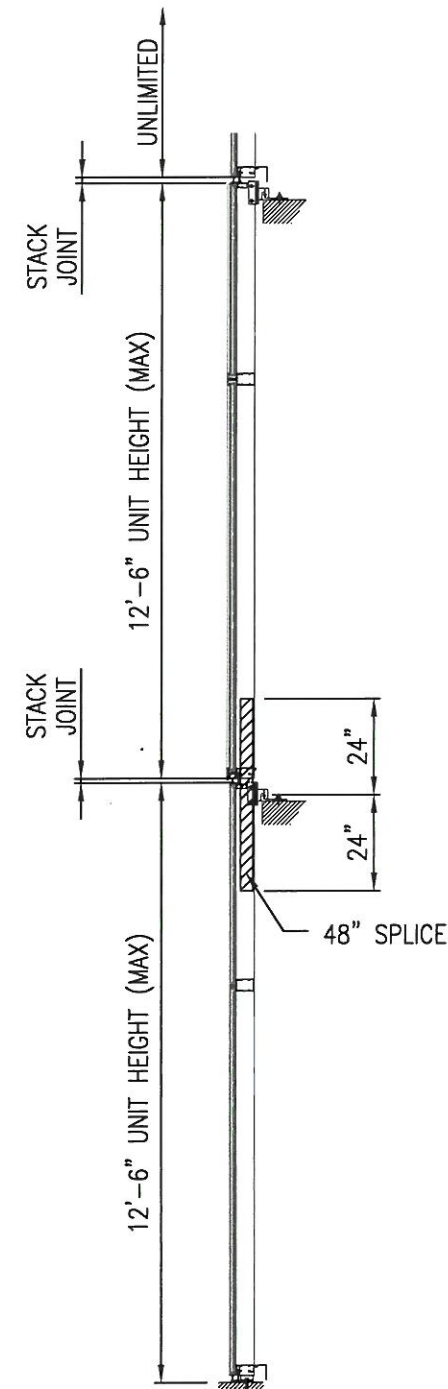
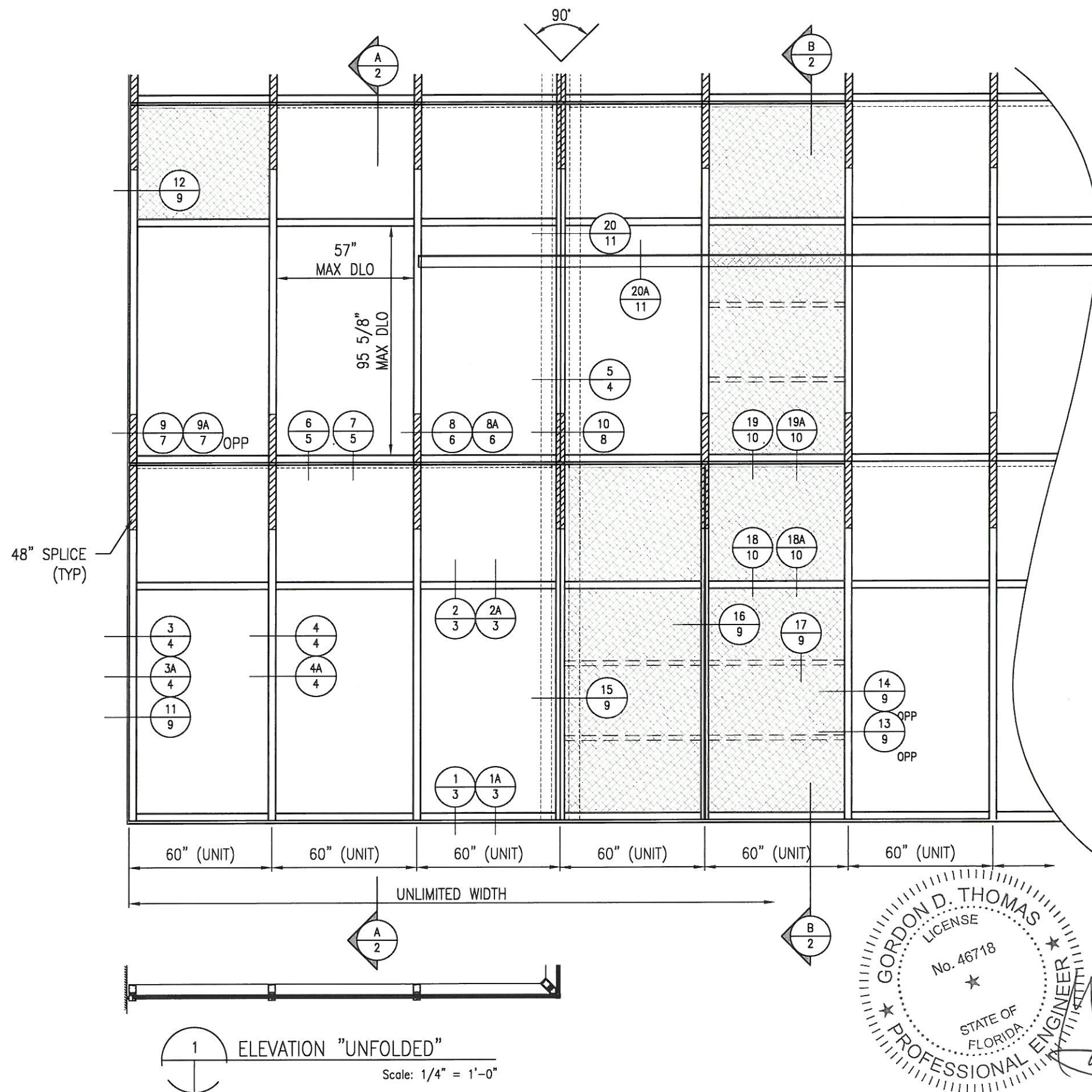
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.3

SHEET: **1** OF **16**



A-A SECTION
Scale: 1/4" = 1'-0"

B-B SECTION
Scale: 1/4" = 1'-0"

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PRODUCT:
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NON-IMPACT

PART OR ASSEMBLY:
ELEVATION

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023)	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020)	JCB

DATE: 12/07/17

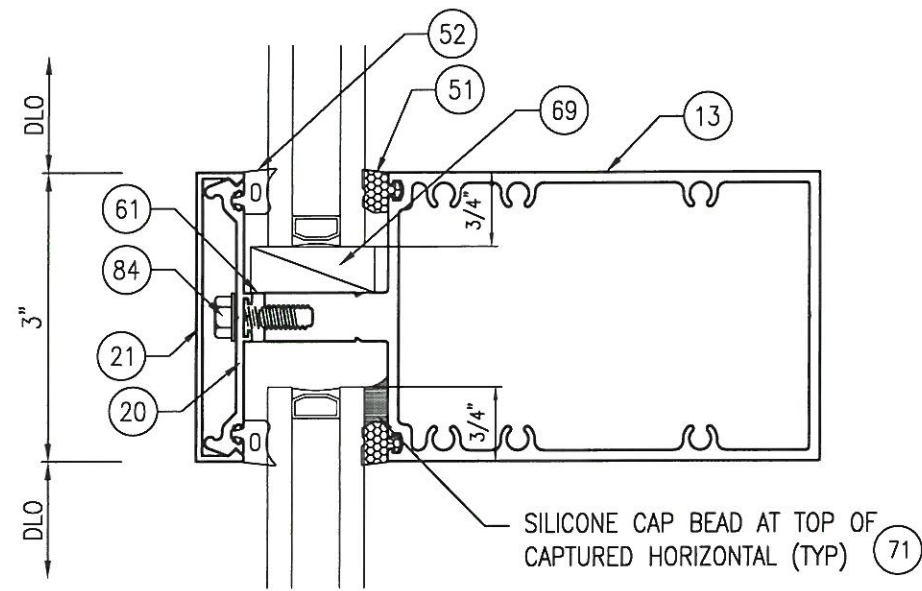
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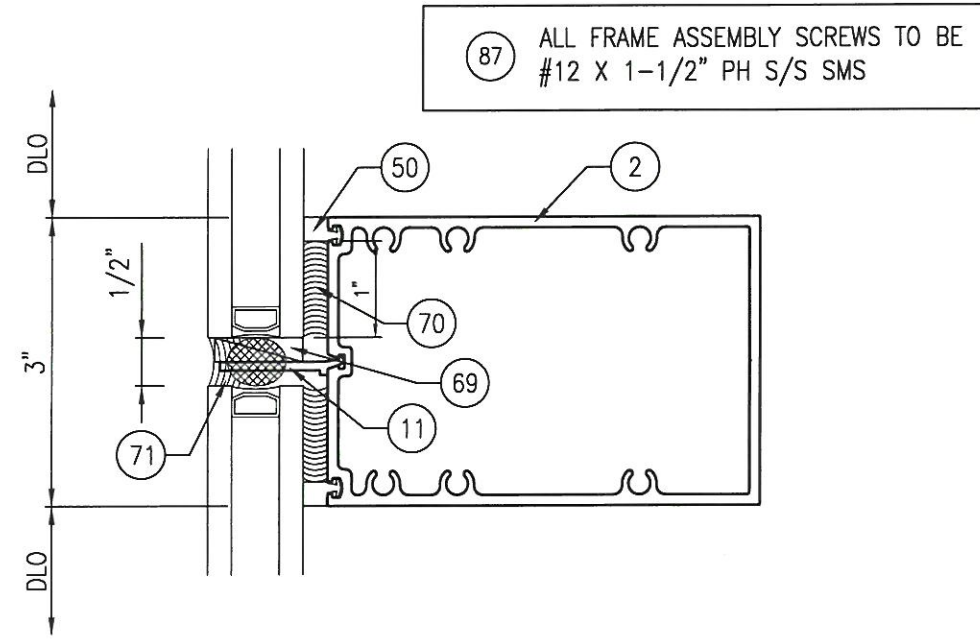
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DRAWING NO.:
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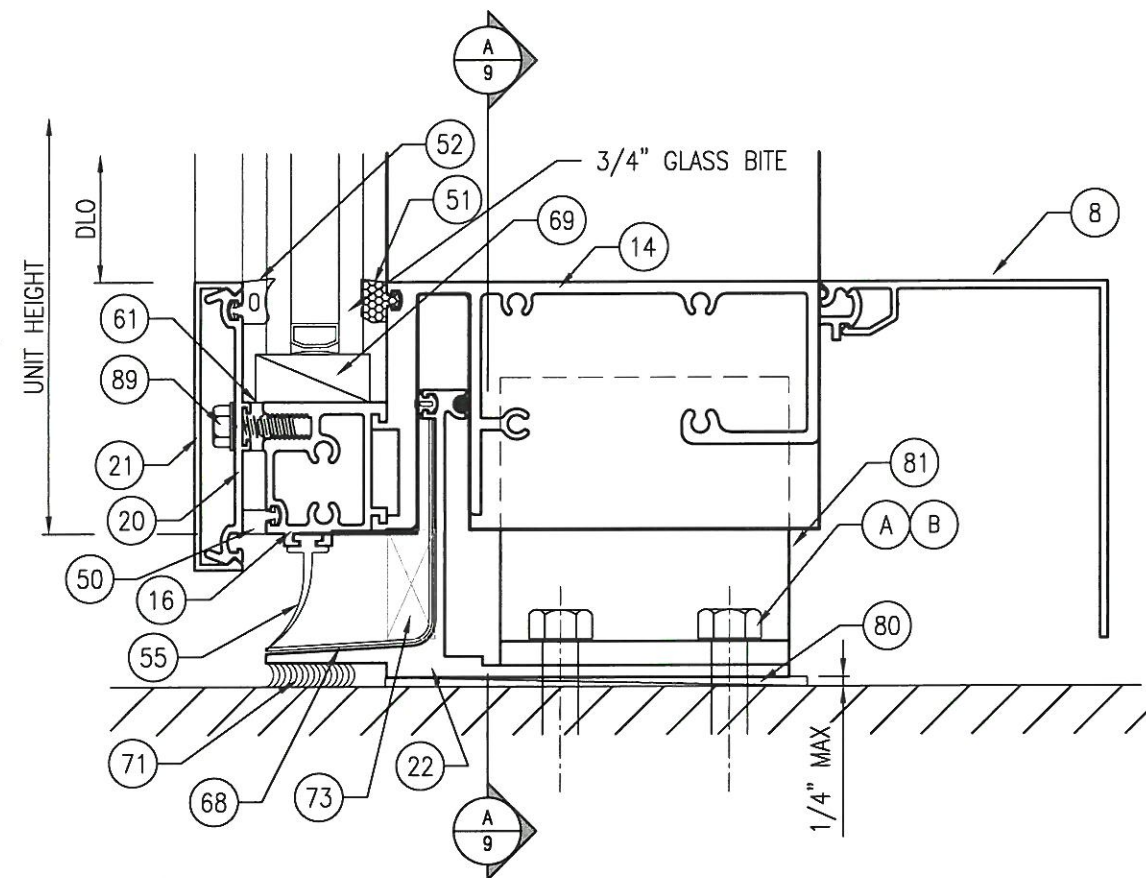
SHEET: 2 OF 16



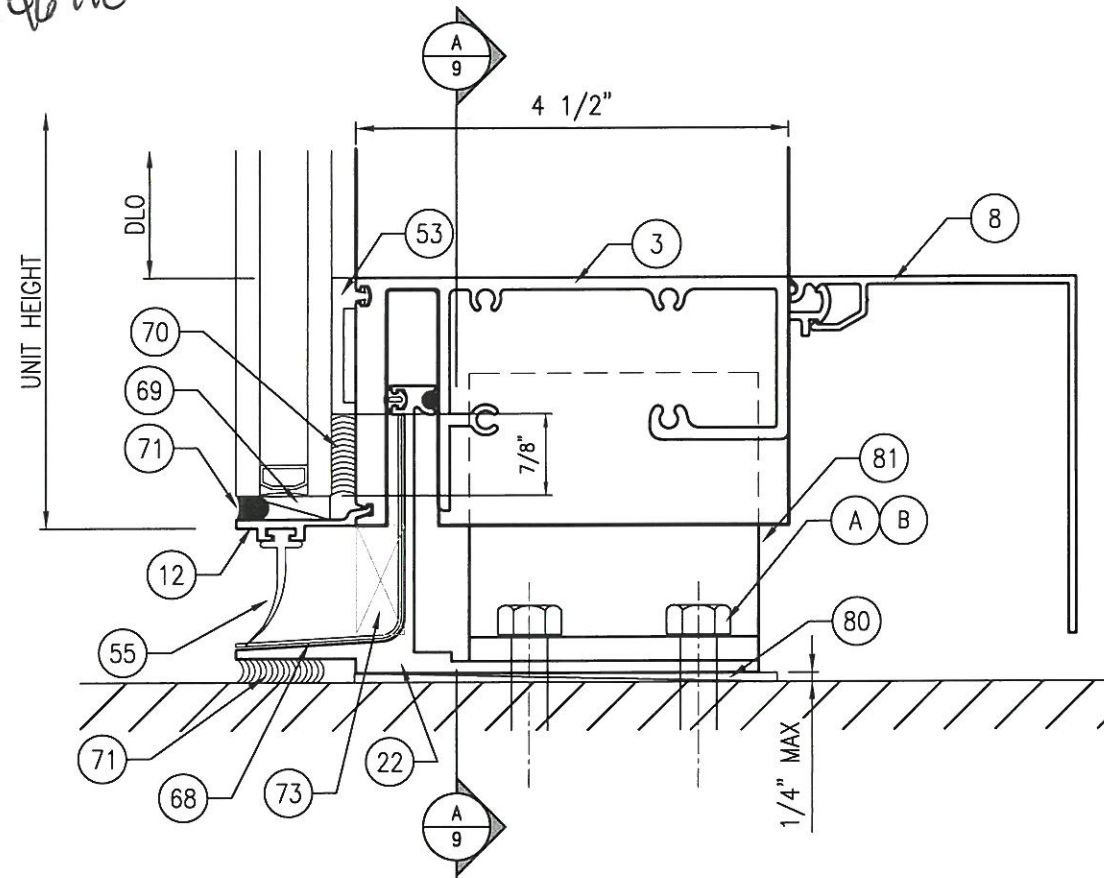
2 HORIZONTAL (CAPTURED)
Scale: 6" = 1'-0"



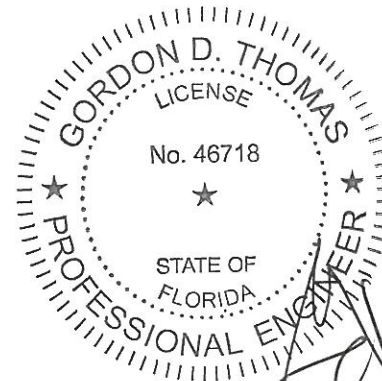
2A HORIZONTAL (BUTT-GLAZED)
Scale: 6" = 1'-0"



1 SILL (CAPTURED)
Scale: 6" = 1'-0"



1A SILL (BUTT-GLAZED)
Scale: 6" = 1'-0"



7/22/25
FL 46718

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PRODUCT:
SERIES 700SG CURTAIN WALL
NON-IMPACT

PART OR ASSEMBLY:
HORIZONTAL DETAILS

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 12/07/17

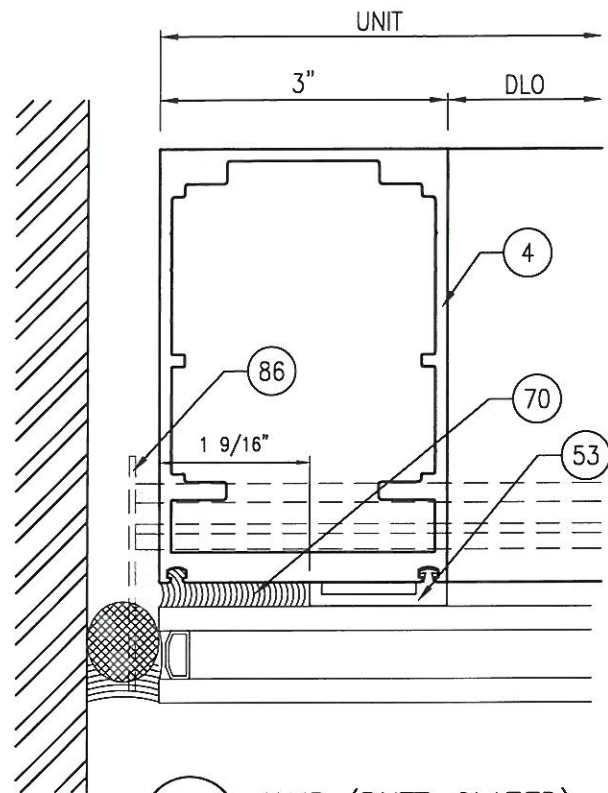
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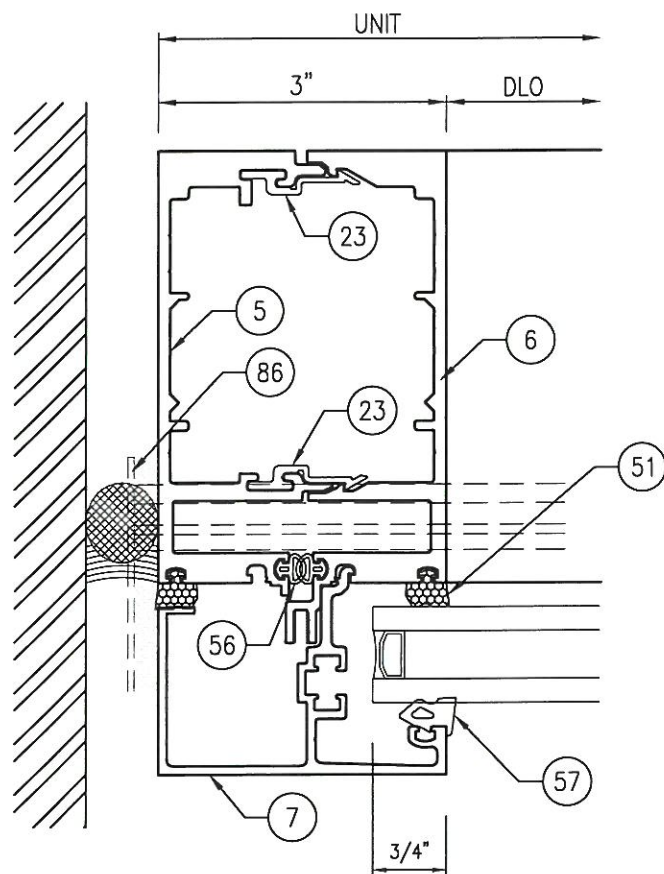
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DRAWING NO.:
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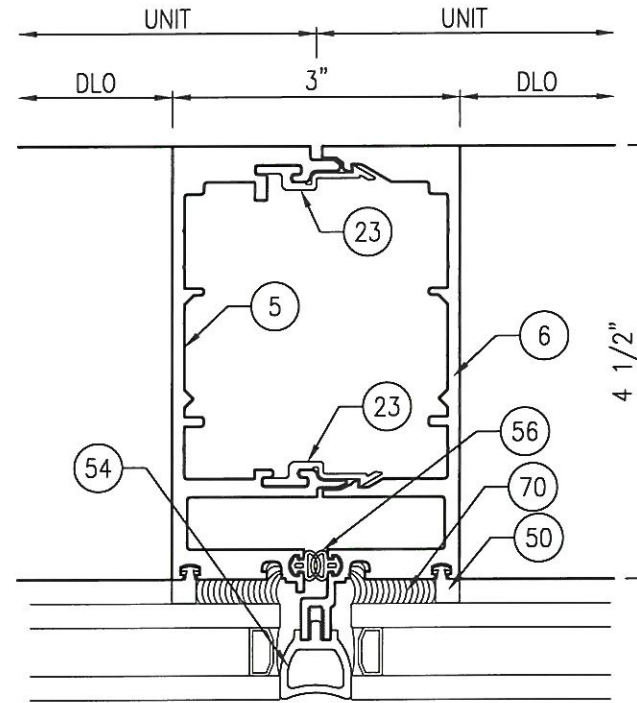
SHEET: 3 OF 16



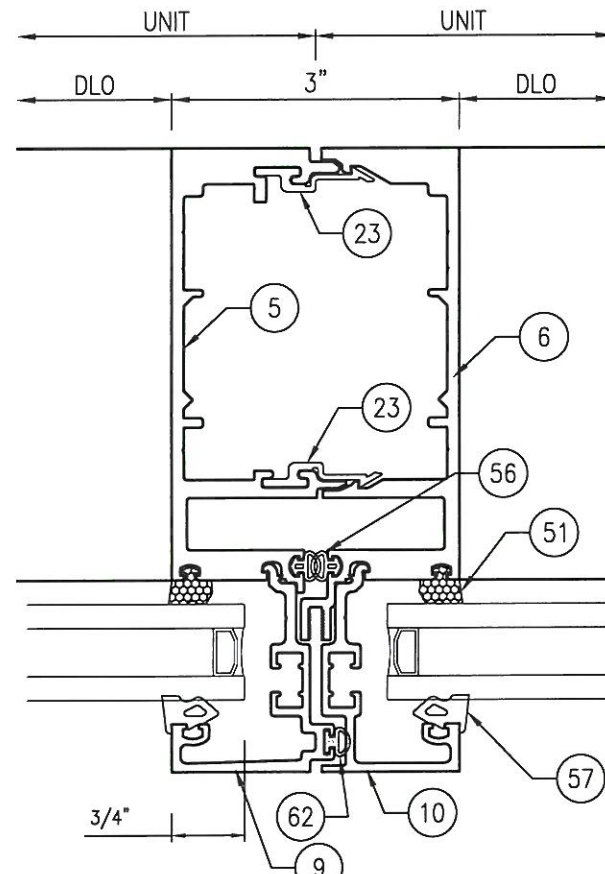
3A JAMB (BUTT-GLAZED)
Scale: 6" = 1'-0"



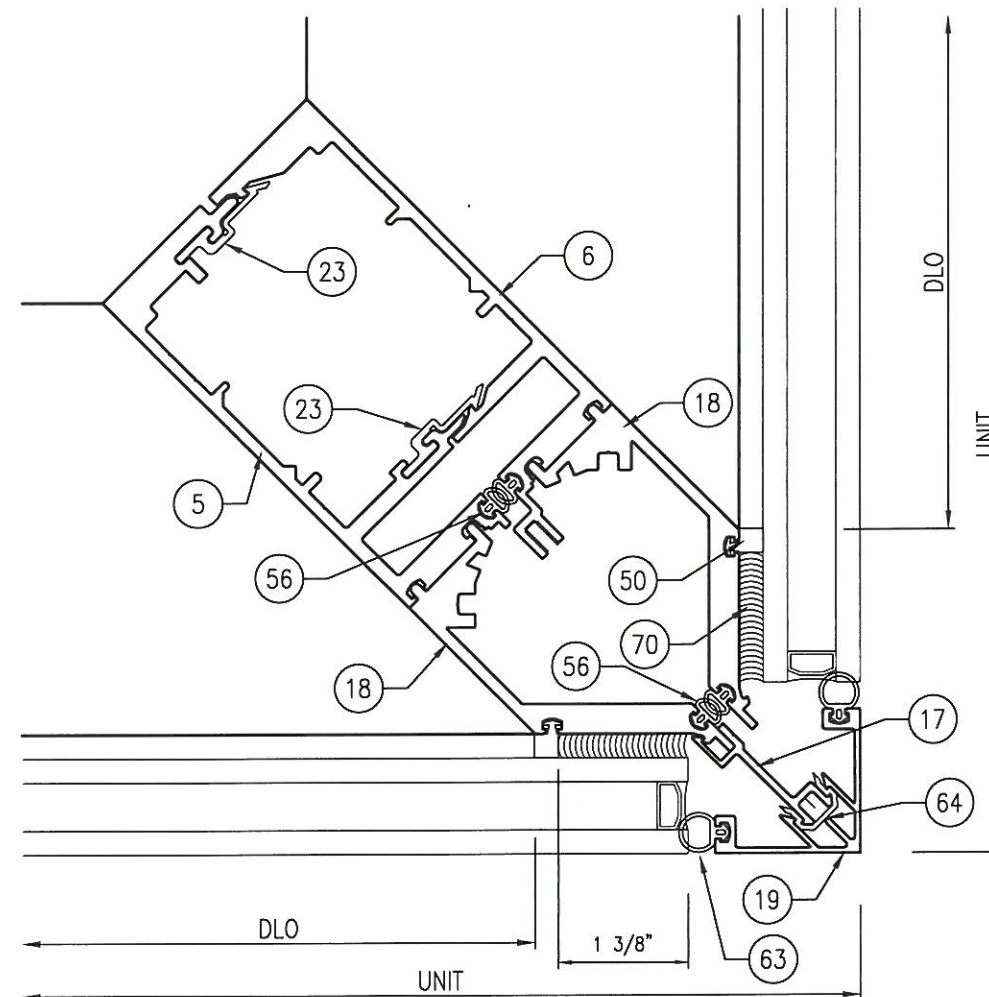
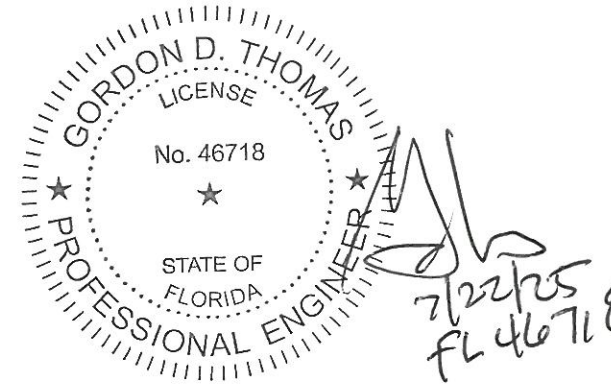
3 JAMB (CAPTURED)
Scale: 6" = 1'-0"



4A MULLION (BUTT-GLAZED)
Scale: 6" = 1'-0"



4 MULLION (CAPTURED)
Scale: 6" = 1'-0"



5 90° CORNER
Scale: 6" = 1'-0"

PRODUCT:

SERIES 700SG CURTAIN WALL
NON-IMPACT

PART OR ASSEMBLY:

VERTICAL DETAILS

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023)	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020)	JCB

DATE: 12/07/17

SCALE: AS INDICATED

DWG. BY: CO

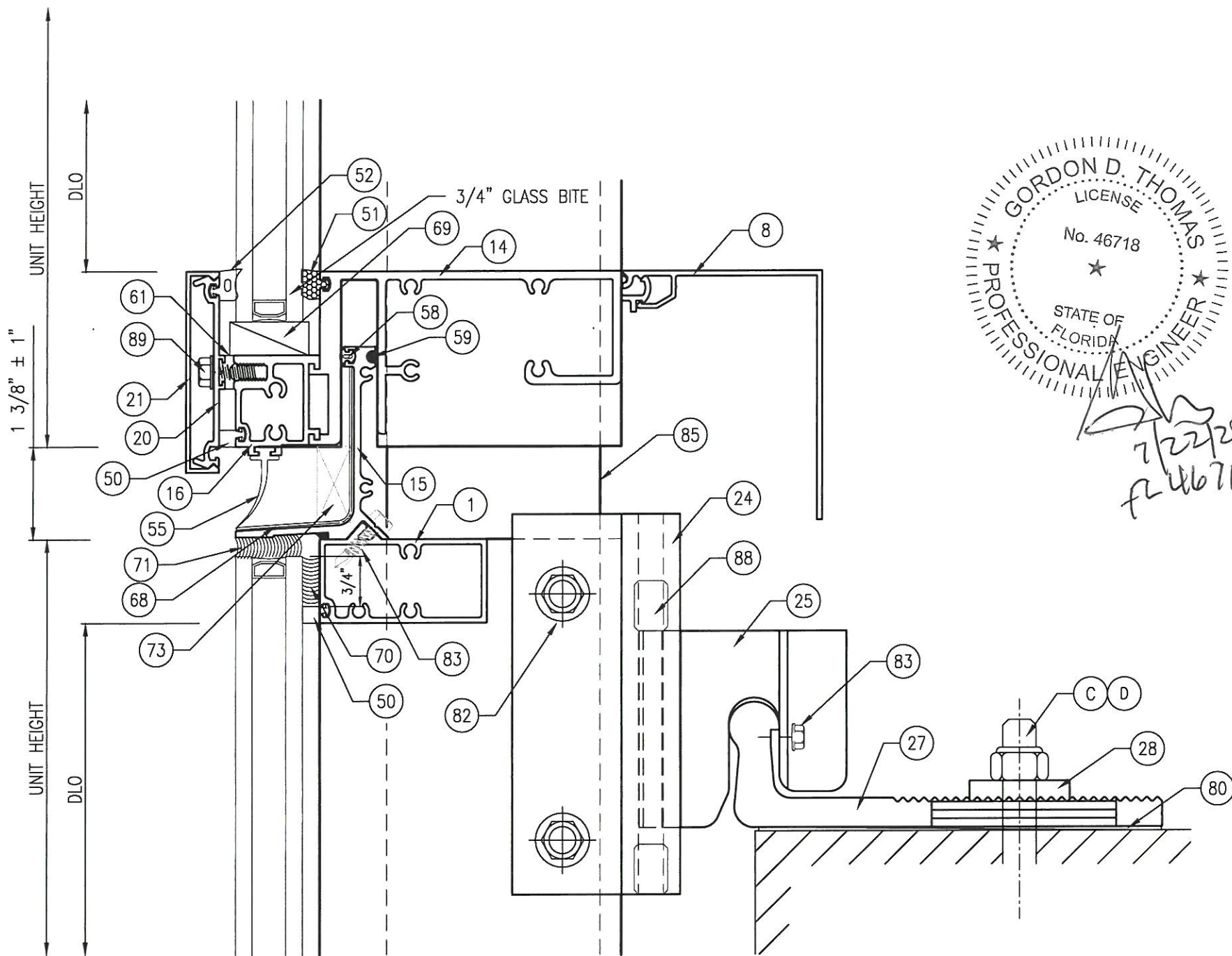
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FL25560.3

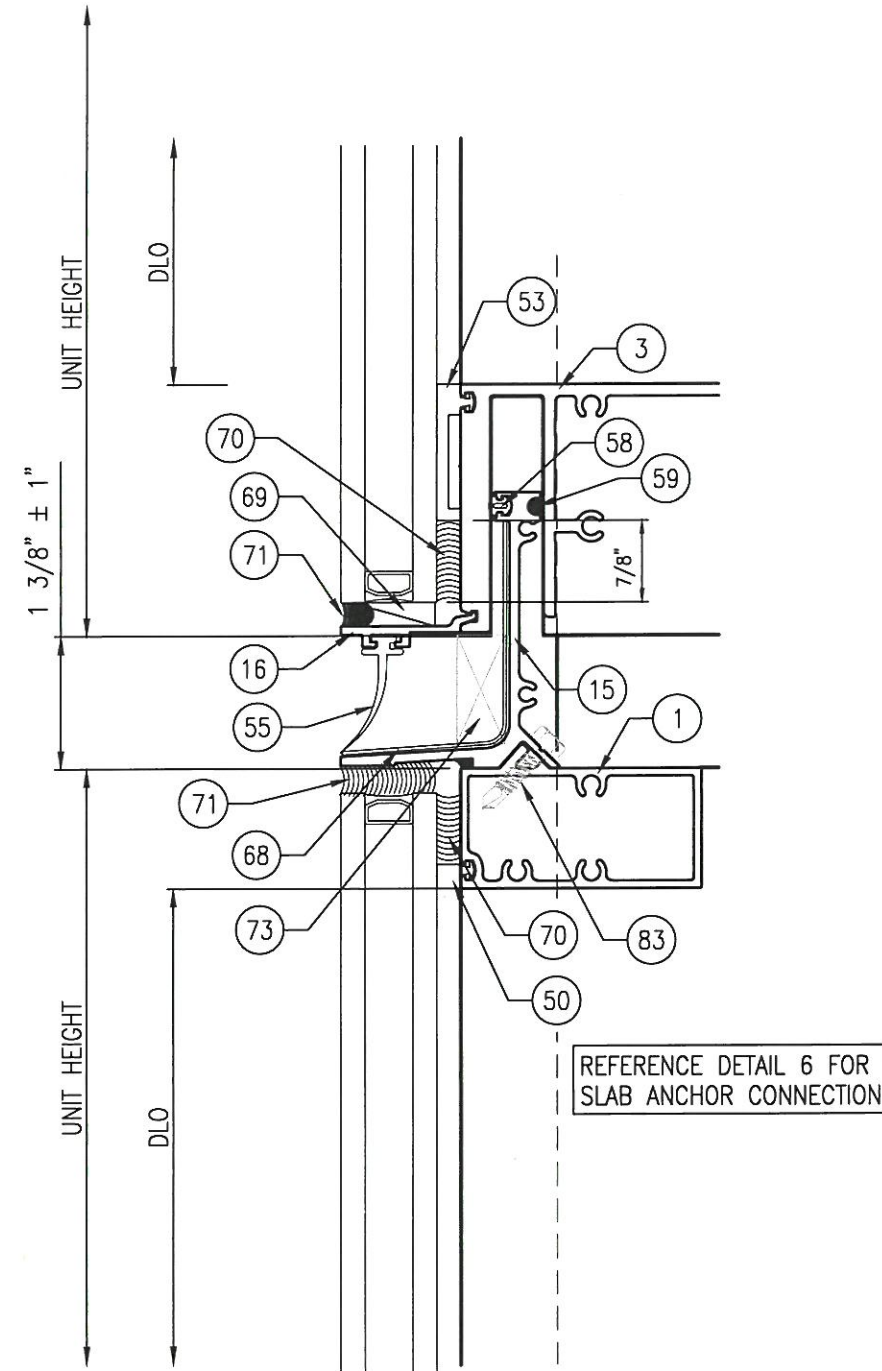
SHEET: 4 OF 16

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6 STACK JOINT (CAPTURED)
SECTION
Scale: 6" = 1'-0"



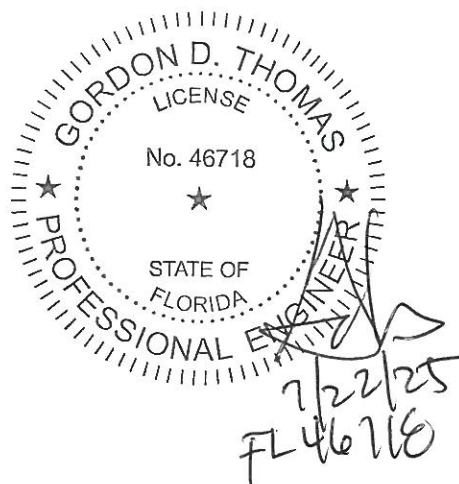
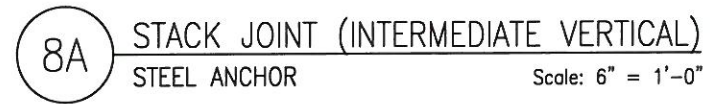
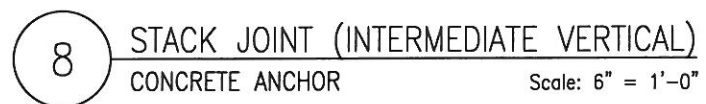
7 STACK JOINT (BUTT-GLAZED)
SECTION
Scale: 6" = 1'-0"



SUN METALS

5008 TAMPA WEST BLVD.
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PRODUCT:		SERIES 700SG CURTAIN WALL NON-IMPACT	
PART OR ASSEMBLY:		STACK JOINT SECTION	
NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	JCB
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
REVISIONS			
DATE: 12/07/17			
SCALE: AS INDICATED			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL25560.3			
SHEET: 5 OF 16			



SUN METALS

PRODUCT: SERIES 700SG CURTAIN WALL
NON-IMPACT

ASSEMBLY:
MID POINT ANCHOR
PLAN

NO	DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC
2	7/14/25	UPDATE TO 8TH ED. (2023)	FBC
			ECV

DATE: 12/07/17

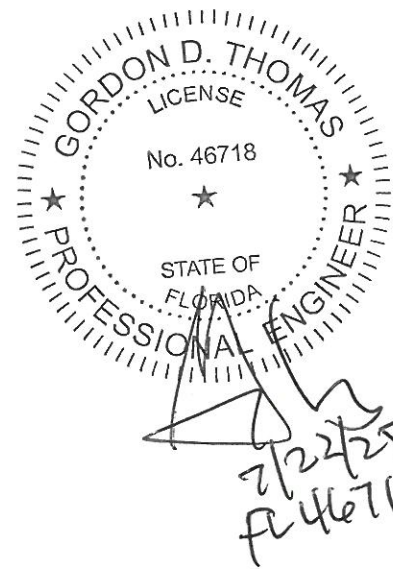
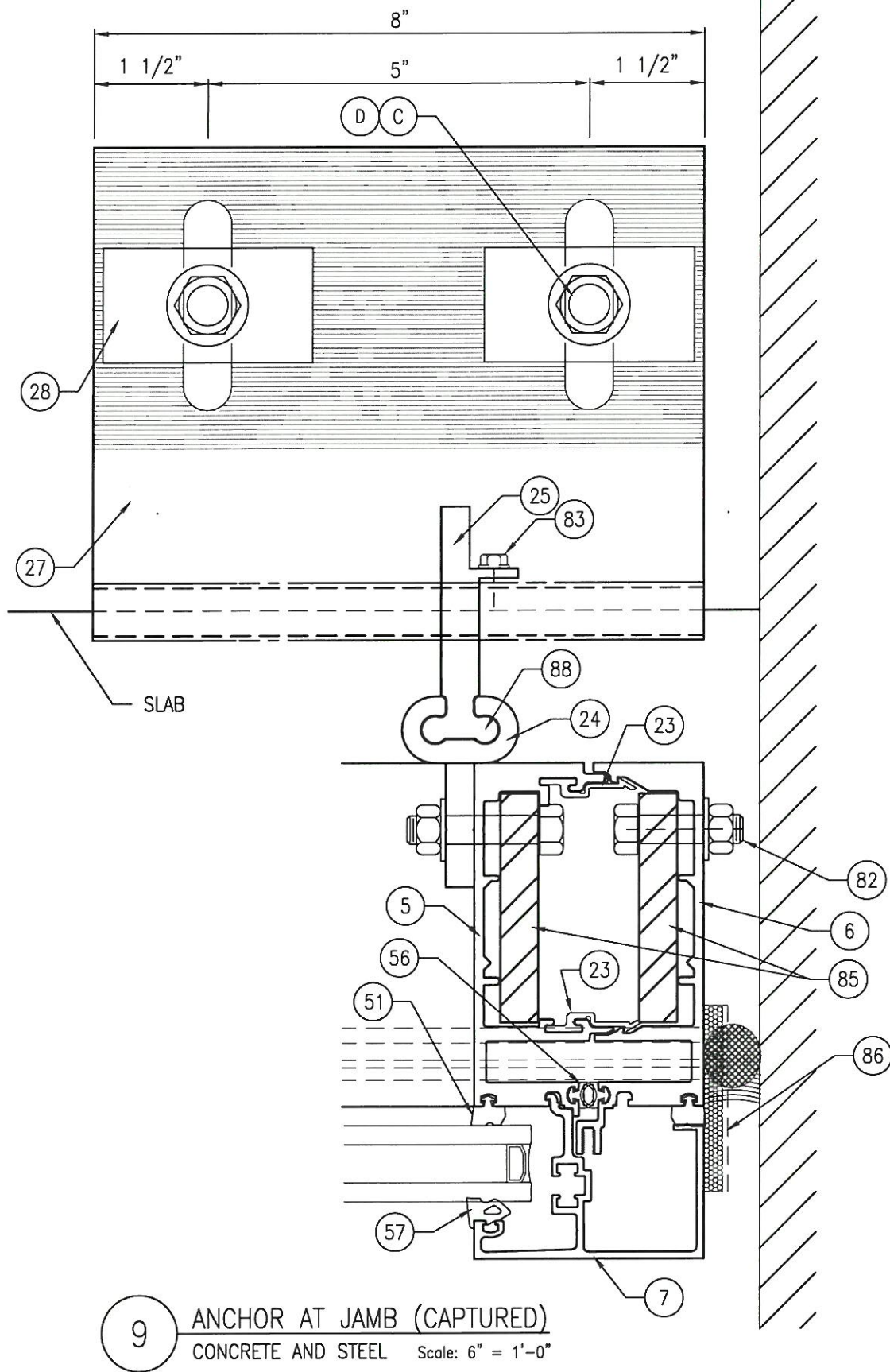
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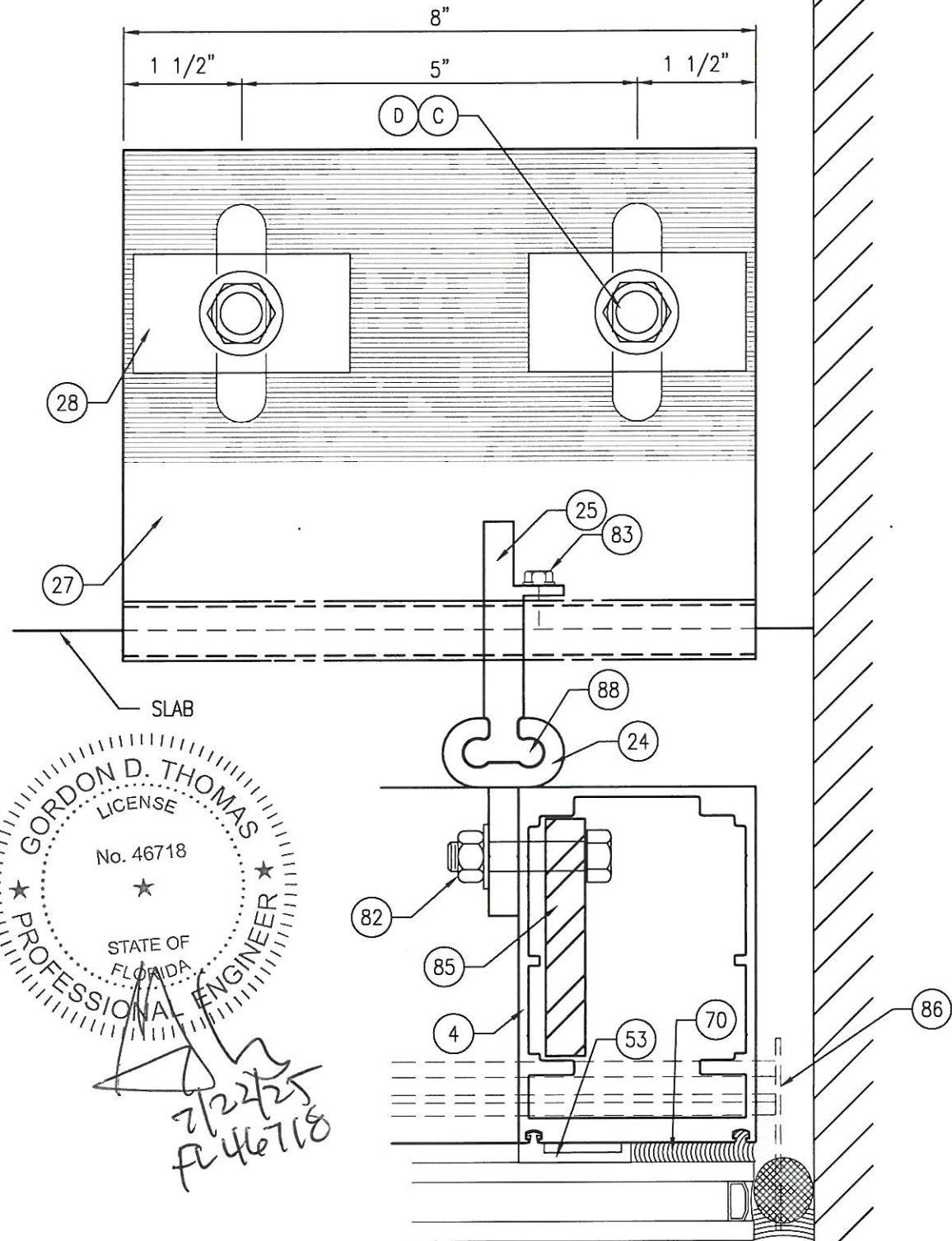
CHK BY: ECV

DRAWING NO.:
FL25560.3

SHEET: 6 OF 16



9A ANCHOR AT JAMB (BUTT-GLAZED)
CONCRETE AND STEEL Scale: 6" = 1'-0"



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PRODUCT:
SERIES 700SG CURTAIN WALL
NON-IMPACT

PART OR ASSEMBLY:
MID POINT ANCHOR
PLAN AT JAMB

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 12/07/17

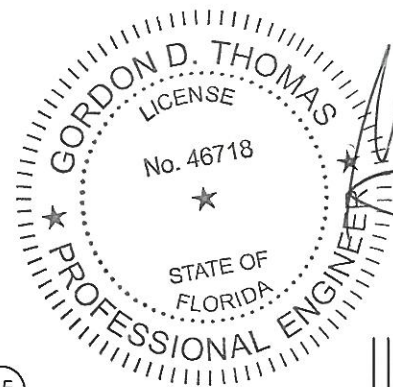
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DWG. BY: CO

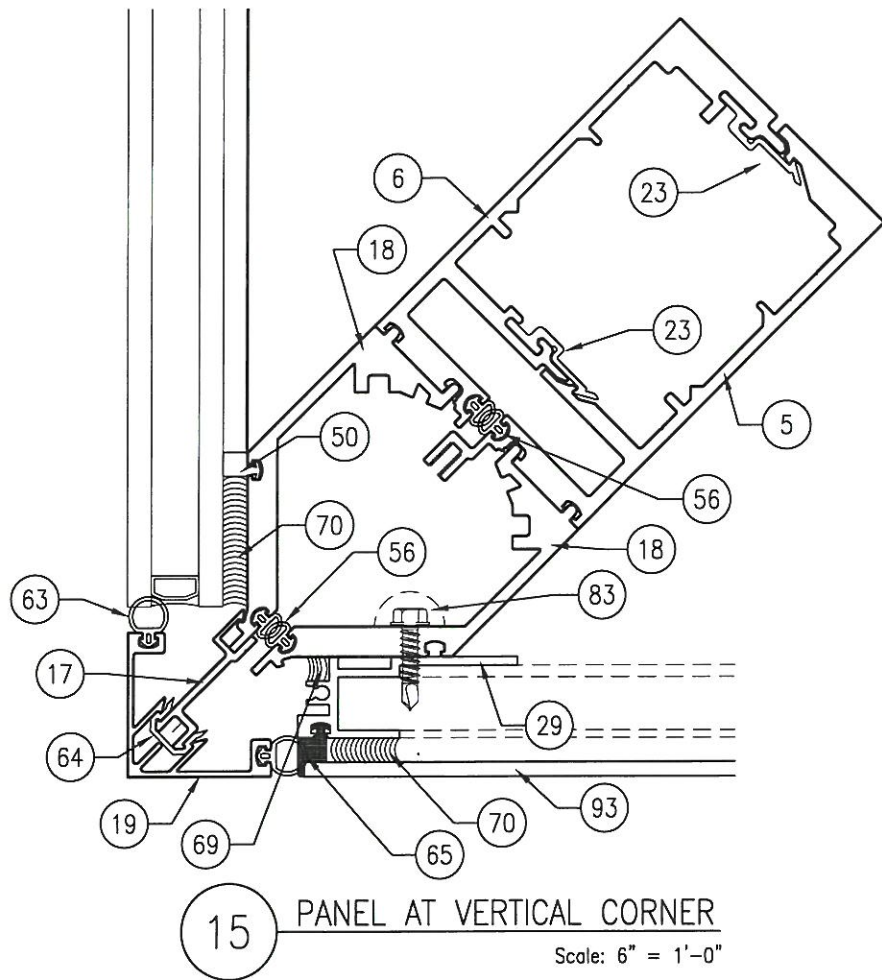
CHK BY: ECV

DRAWING NO.:
FL25560.3

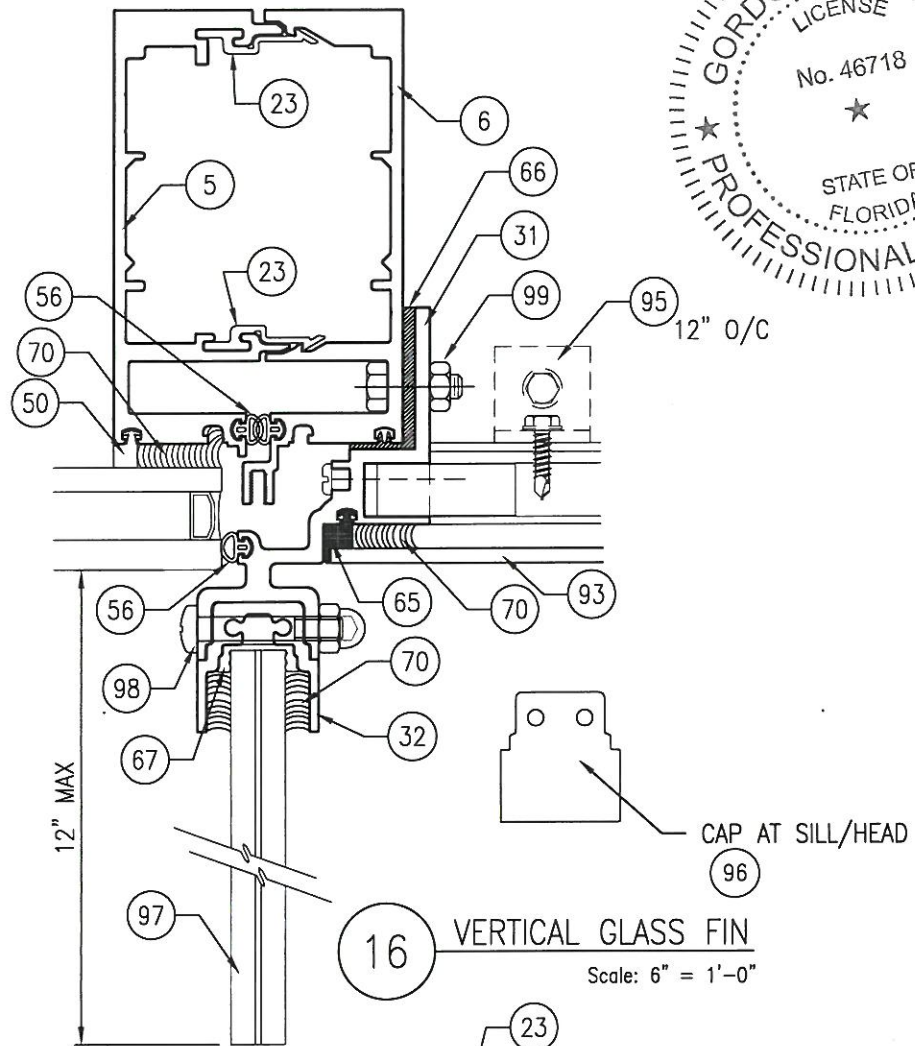
SHEET: 7 OF 16



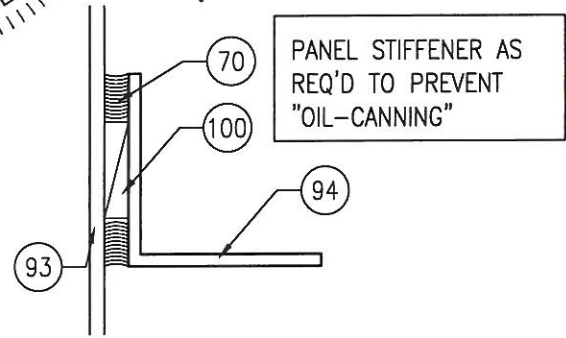
7/22/25
FL 46718



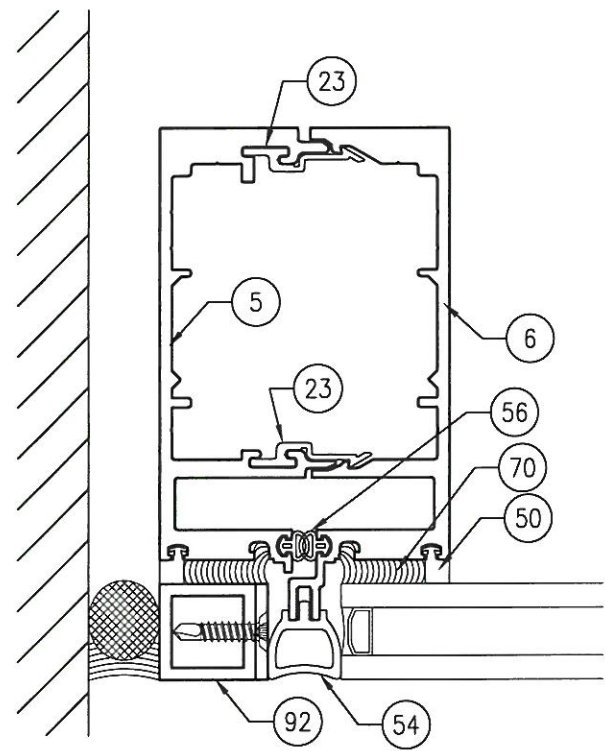
15 PANEL AT VERTICAL CORNER
Scale: 6" = 1'-0"



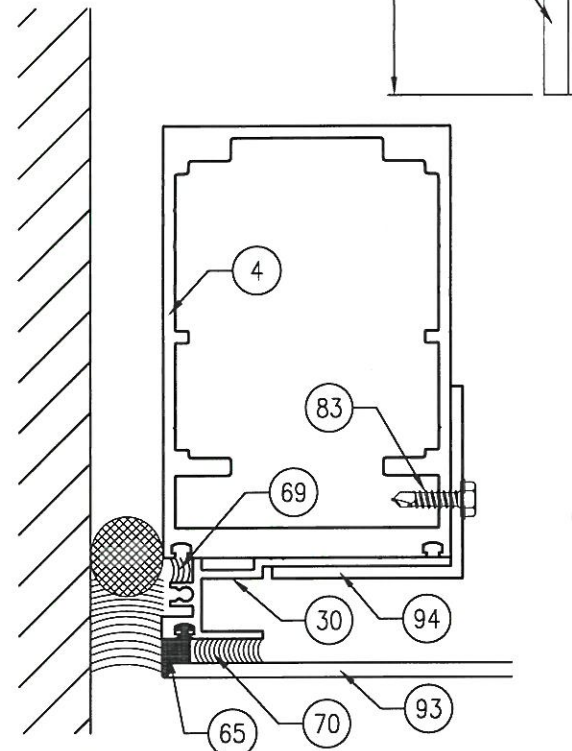
16 VERTICAL GLASS FIN
Scale: 6" = 1'-0"



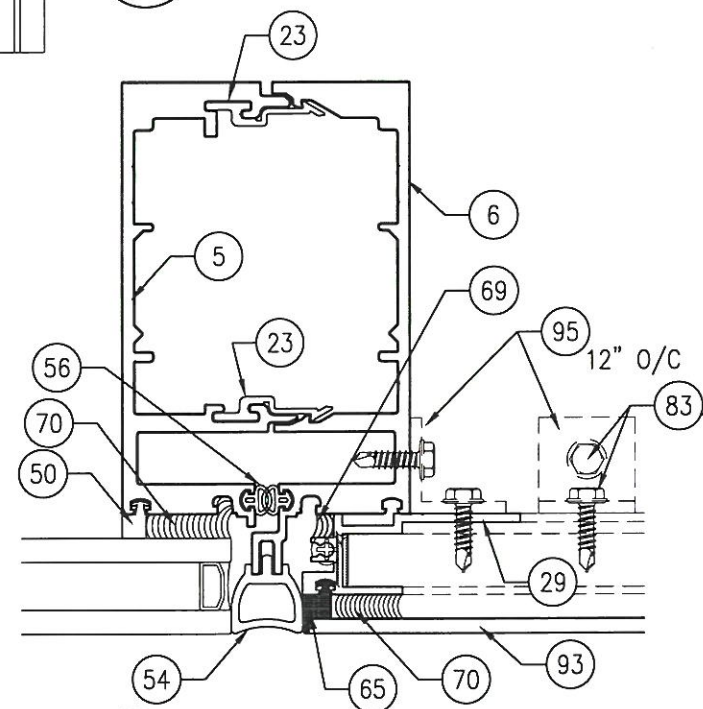
17 PANEL STIFFENER
Scale: 6" = 1'-0"



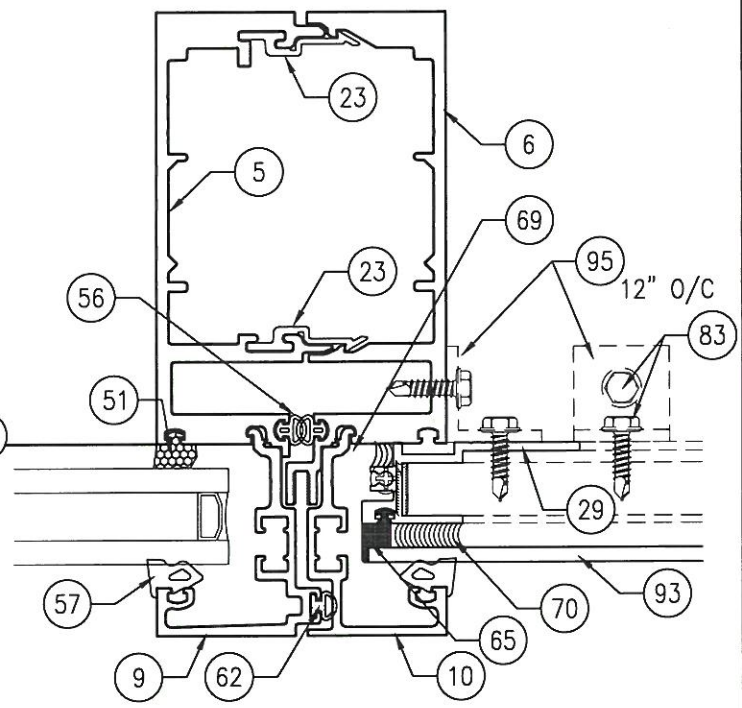
11 ALTERNATE JAMB GLAZING BUTT GLAZED
Scale: 6" = 1'-0"



12 PANEL AT JAMB BUTT GLAZED
Scale: 6" = 1'-0"



13 PANEL AT VERTICAL BUTT GLAZED
Scale: 6" = 1'-0"



14 PANEL AT VERTICAL CAPTURED
Scale: 6" = 1'-0"

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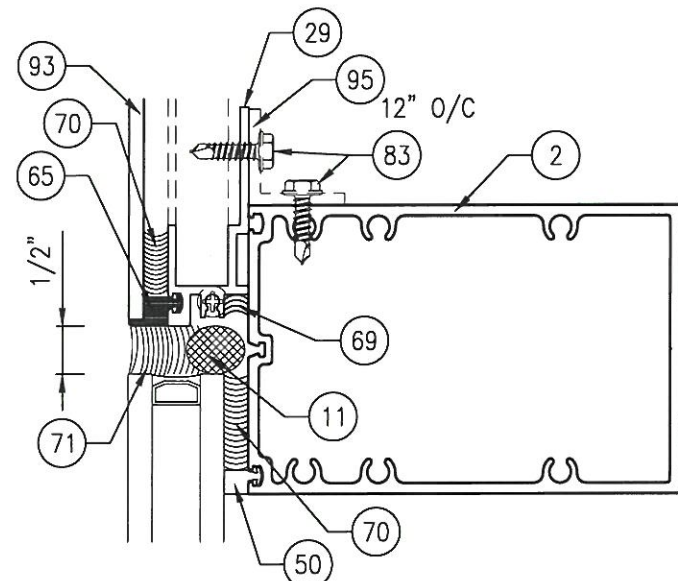


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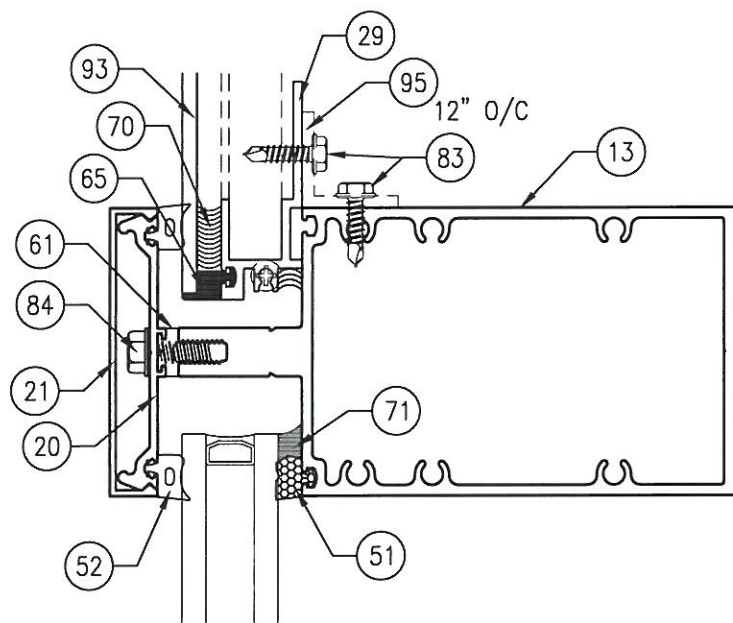
PART OR ASSEMBLY:
VERTICAL ACCESSORY DETAILS
PANELS AND GLASS FIN

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1	9/21/20	UPDATE TO 7TH ED. (2020)	JCB

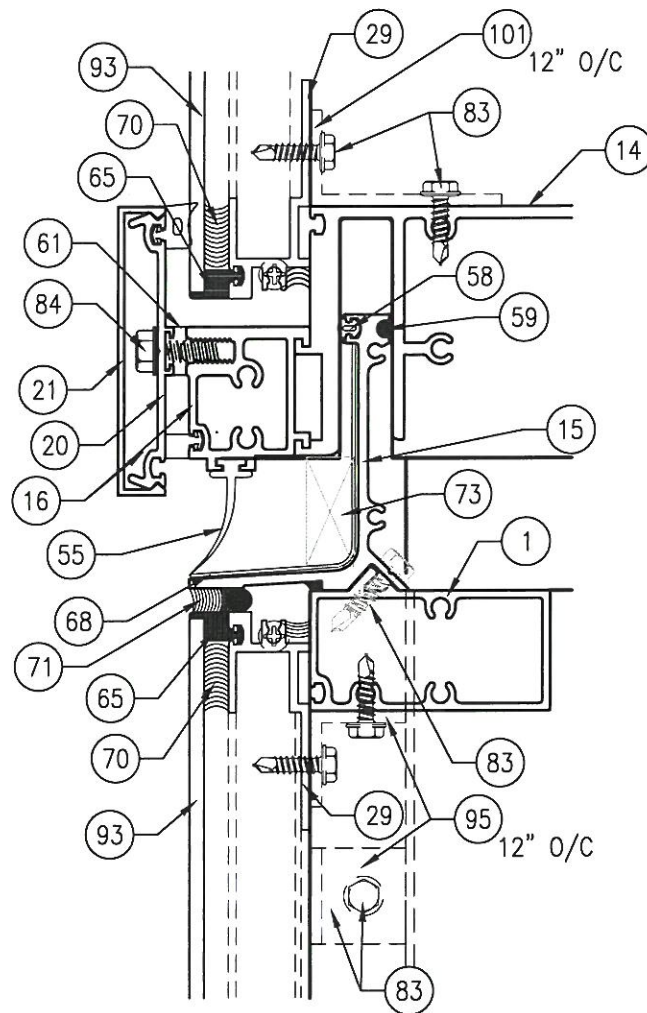
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SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.:
FL25560.3
SHEET: 9 OF 16



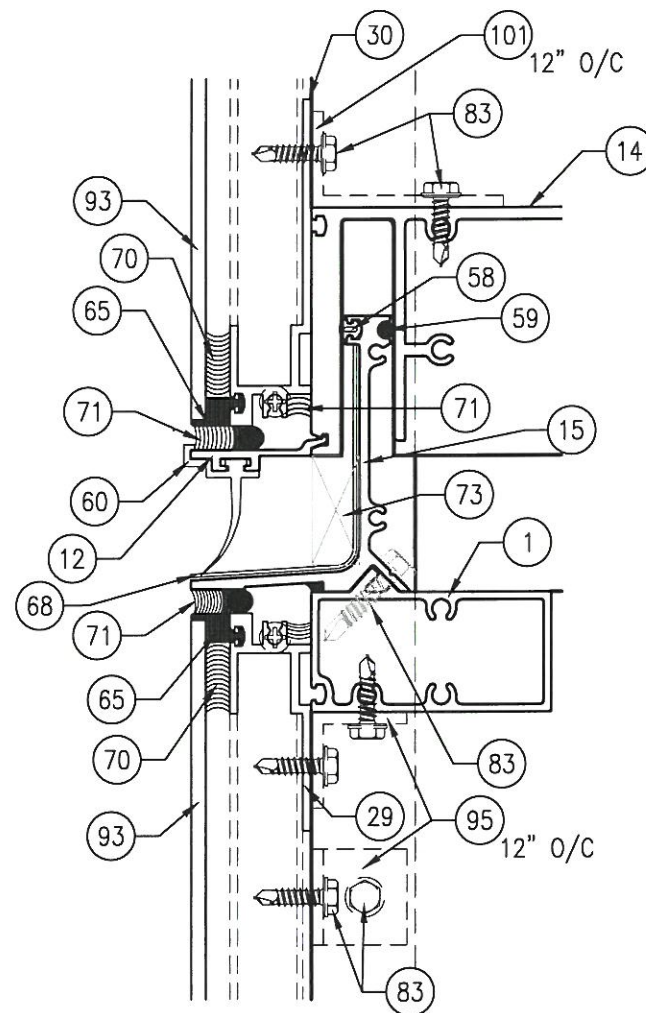
18A PANEL AT HORIZONTAL
BUTT GLAZED Scale: 6" = 1'-0"



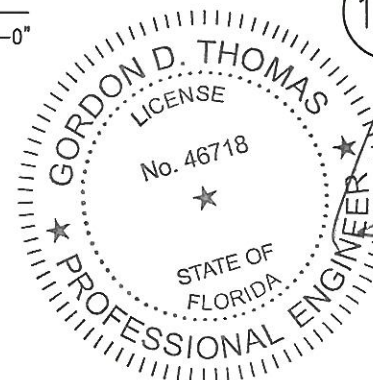
18 PANEL AT HORIZONTAL
CAPTURED Scale: 6" = 1'-0"



19 PANEL AT STACK JOINT
CAPTURED Scale: 6" = 1'-0"



19A PANEL AT STACK JOINT
BUTT GLAZED Scale: 6" = 1'-0"



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PRODUCT:
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NON-IMPACT

PART OR ASSEMBLY:
HORIZONTAL ACCESSORY DETAILS
PANELS AND GLASS FIN

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 12/07/17

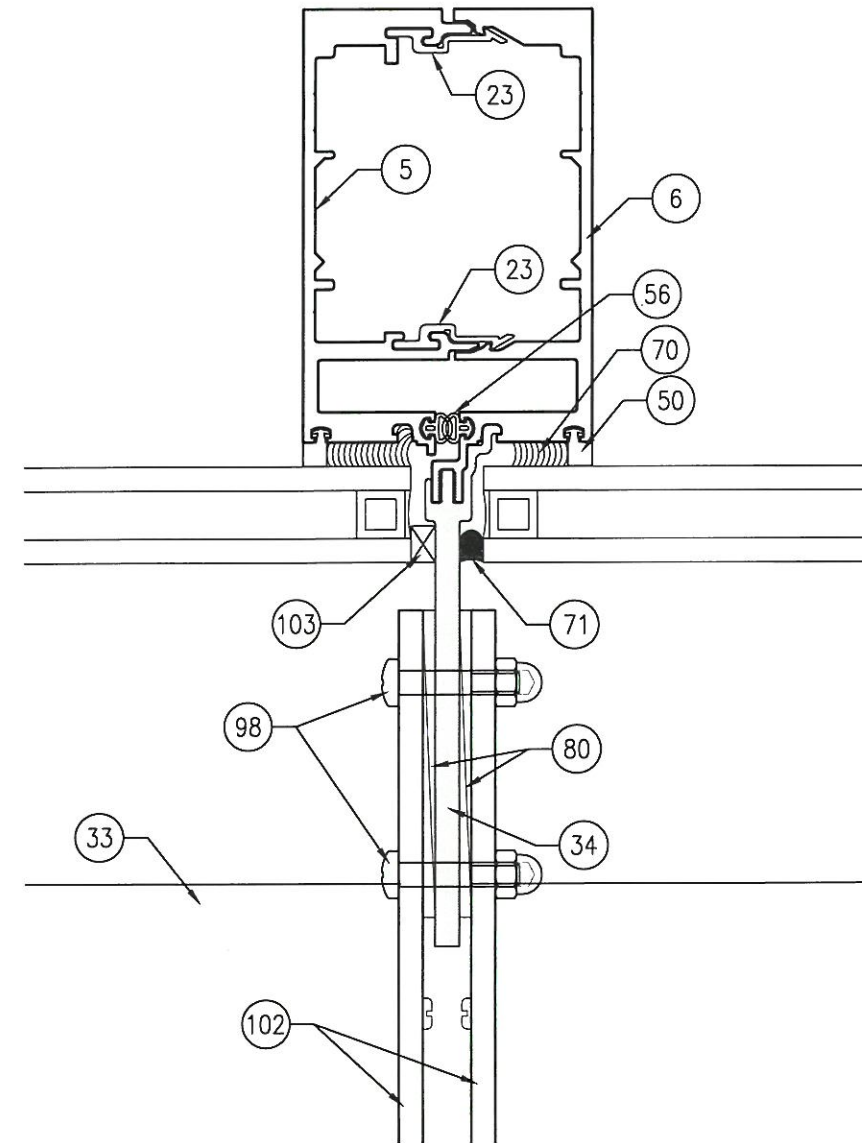
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DWG. BY: CO

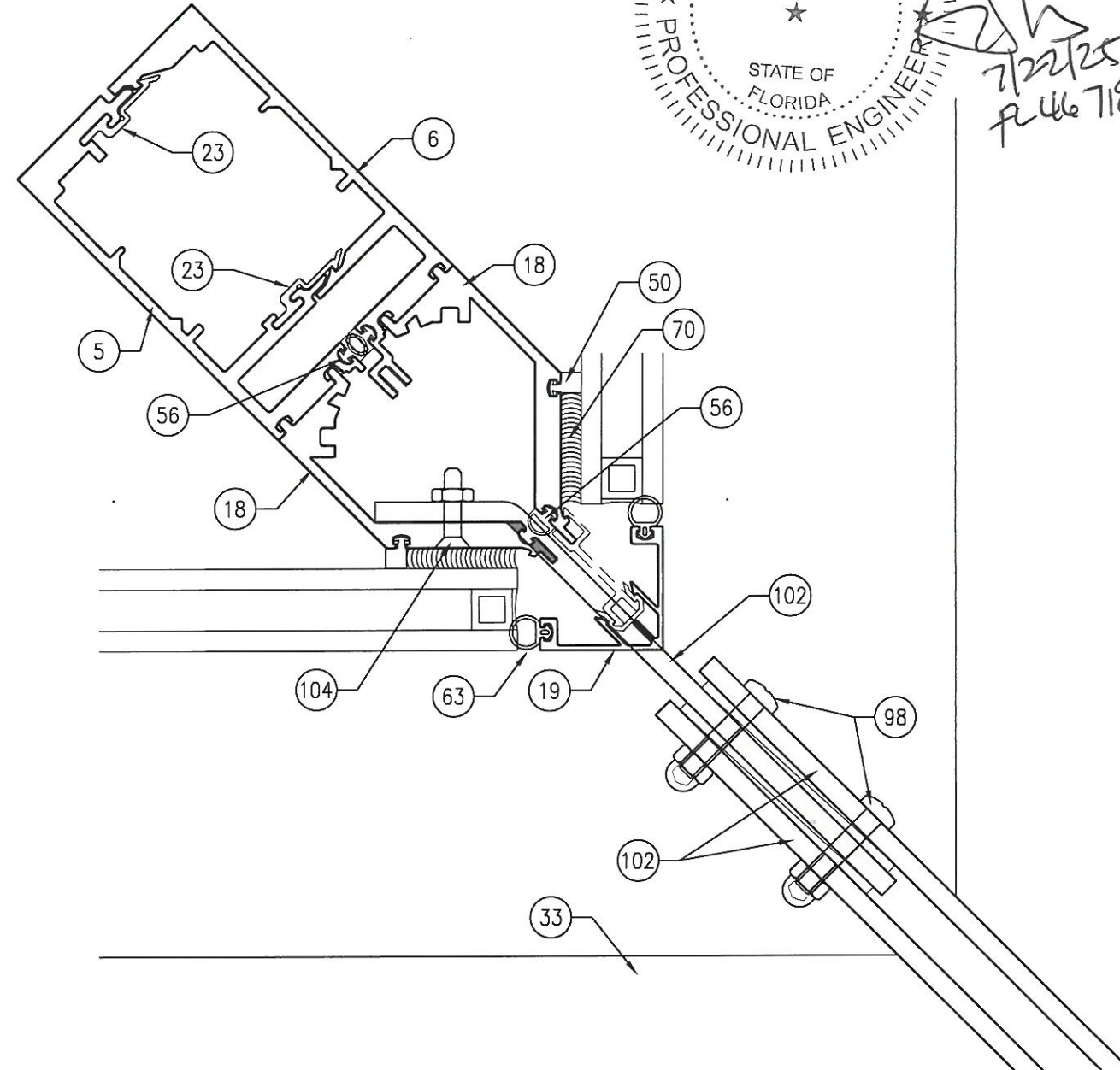
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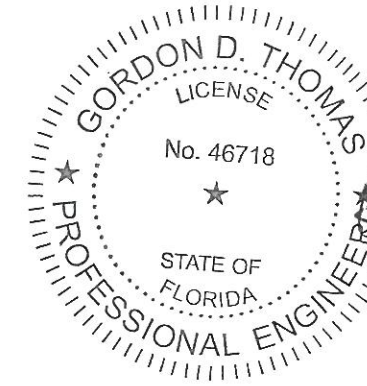
SHEET: 10 OF 16



21 SUNSHADE CLIP
TYPICAL VERTICAL
Scale: 1:1



22 SUNSHADE CLIP
CORNER
Scale: 1:1



7/22/25
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PART OR ASSEMBLY:
SUNSHADE
ATTACHMENT CLIPS

NO	DATE	DESCRIPTION	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	JCB
REVISIONS			

DATE: 12/07/17

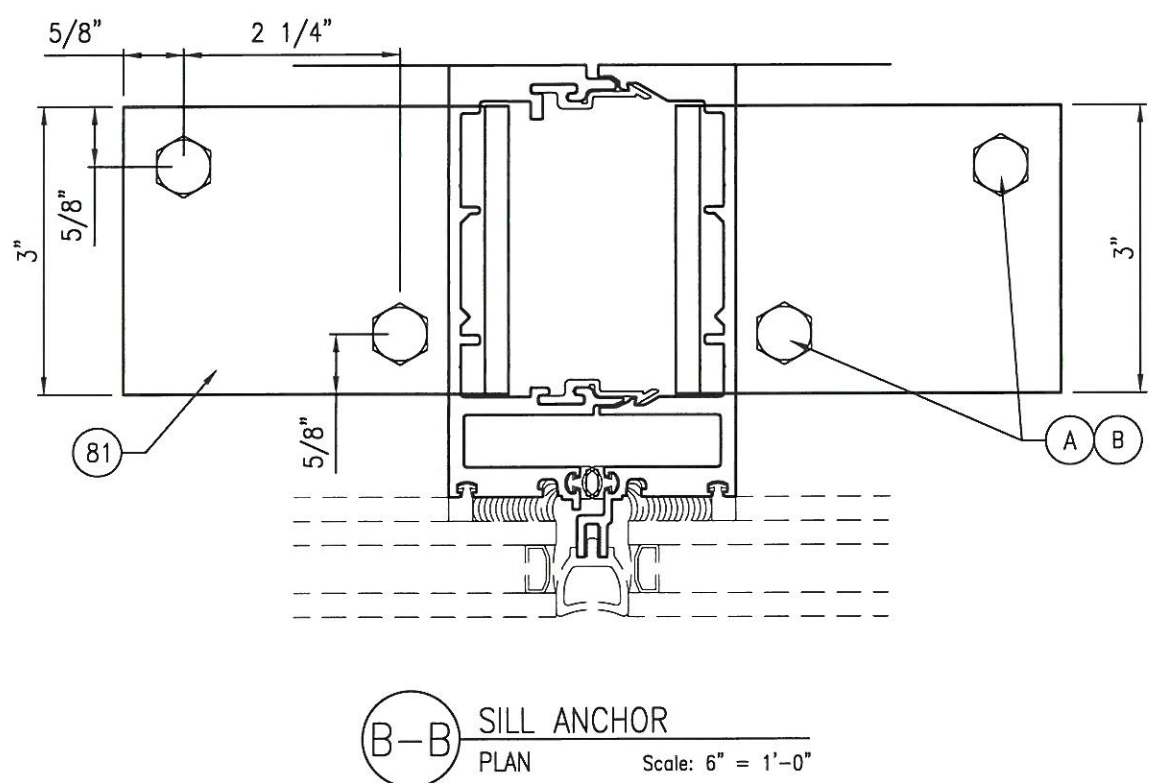
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DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
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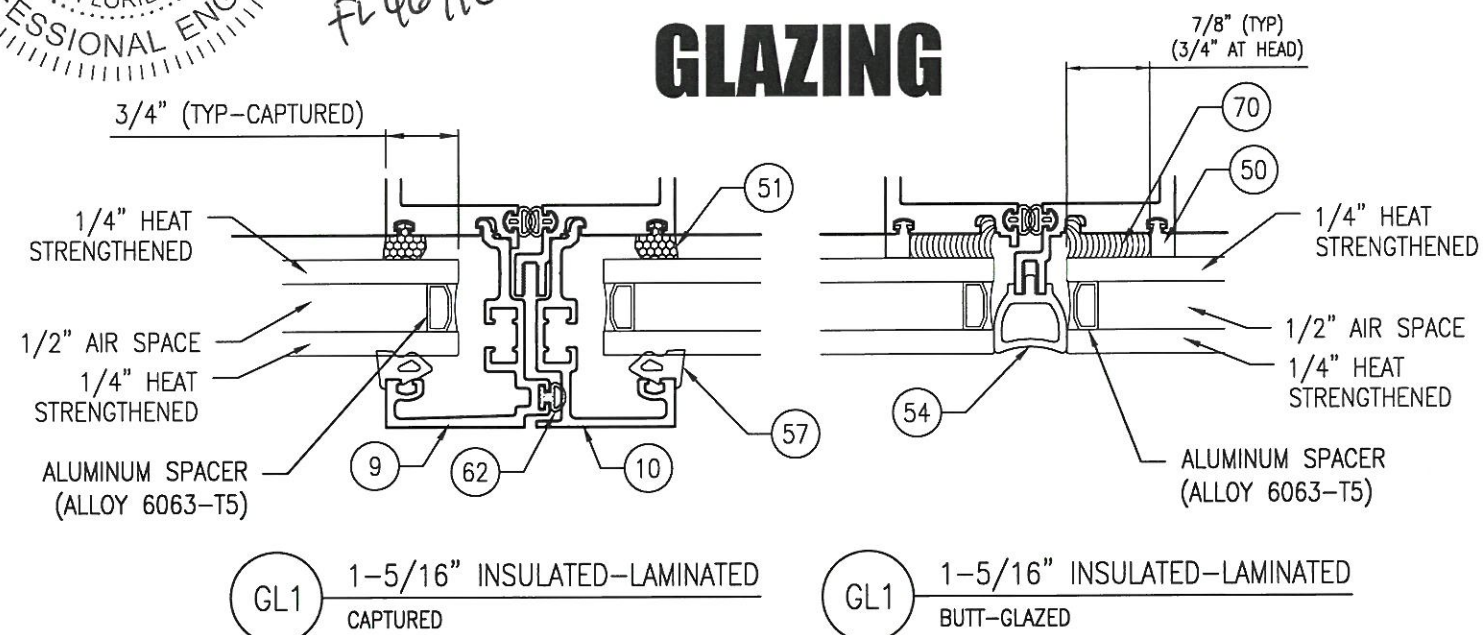
SHEET: 12 OF 16



min. edge d

GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER

7/22/25
FL 46718



SEE DETAILS FOR STRUCTURAL SILICONE
WIDTH AT SPECIFIC CONDITIONS.

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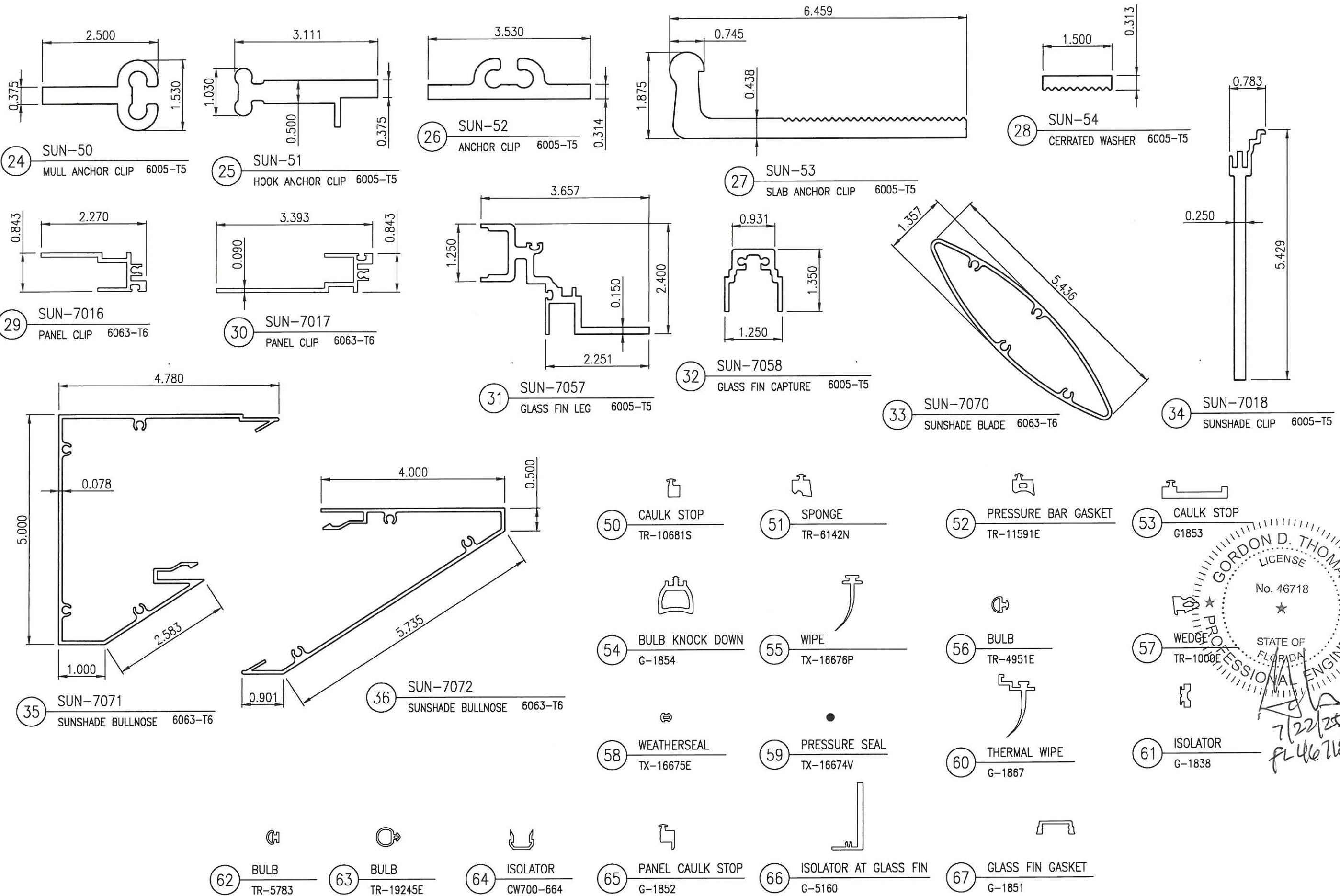
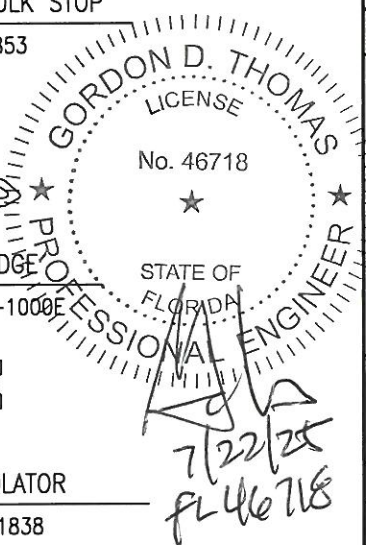
OR ASSEMBLY: SILL ANCHORS, ANCHOR SCHEDULE AND GLAZING

[illegible]



ASSEMBLY: _____

DATE: 12/07/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL25560.3
SHEET: 15 OF 16



BILL OF MATERIALS					
SCREWS AND ACCESSORIES					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
80		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
81		L4" x 3" x 1/4" ALUMINUM ANGLE (3" LONG) ANCHOR CLIP	6061-T6	VARIES	
82		3/8" x 1-3/4" GR5 HH BOLT; NUT; FLAT AND LOCK WASHER	GR5	VARIES	
83		#12 x 1" HH TEK SCREWS	ZINC	ELCO	
84		1/4-20 x 1" HWH MACHINE SCREW AT PRESSURE BAR	18-8 SS	VARIES	
85		1/2" x 3" ST. BAR SPLICE (48" LONG)	A36	VARIES	
86		0.040" ALUMINUM BREAK METAL END DAM	3003 H14	VARIES	SEAL FULL PERIMETER
87		#12 x 1-1/2" PH SMS (SQ. DRIVE HEAD)	18-8 SS	VARIES	
88		7/16"-20 x 1/2" or 3/4" LONG (7/32" ALLEN HEAD)	18-8 SS	VARIES	
89		1/4-20 TPI x 3/4" HWH MACHINE BOLT AT PRESSURE BAR	18-8 SS	VARIES	
90		1/4" S/S BOLTS W/ NUT AND LOCK WASHER	18-8 SS	VARIES	
91		8" X 3/8" X 8" LONG ALUM BAR	6061-T6	VARIES	A36 STEEL ACCEPTABLE ALTERNATE
92		1"x1" ALUMINUM TUBE W/ 1/8" X 1" BAR	6063-T5	VARIES	
93		4mm ALUMINUM COMPOSITE PANEL	ACM	VARIES	
94		2" X 2" X 1/8" ALUMINUM ANGLE	6063-T5	VARIES	
95		1"x1"x1/8" (1" LONG) ALUMINUM ANGLE	6063-T5	VARIES	
96		0.060 FINISHED ALUMINUM CAP	3003 H14	VARIES	
97		9/16" LAMINATED GLASS FIN (1/4" HS-060PVB-/1/4" HS)		VARIES	
98		1/4" x 1-1/4" S/S PH. BOLT W/ ACORN NUT AND NUT & WASHER	18-8 SS	VARIES	
99		3/8" x 1-3/4" HH BOLT; NUT; FLAT AND LOCK WASHER	GR5	VARIES	
100		1/4" X 1" DOUBLE SIDED GLAZING TAPE		VARIES	
101		1"x2"x1/8" (1" LONG) ALUMINUM ANGLE	6063-T5	VARIES	
102		1/4"X 5" STRUCTURAL ALUMINUM BAR	6061-T6	VARIES	SUNSHADE OUTRIGGER BAR
103		1/4" X 3/8" SINGLE SIDED GLAZING TAPE		VARIES	
104		1/4" CS FH S/S BOLT WITH NUT AND WASHER	18-8 SS	VARIES	

SUN METALS 5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666														
PRODUCT:				SERIES 700SG CURTAIN WALL NON-IMPACT				PART OR ASSEMBLY: BILL OF MATERIALS						
								2	7/14/25	UPDATE TO 8TH ED. (2023)	FBC	ECV		
								1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC	JCB		
								N0	DATE	DESCRIPTION		BY		
												REVISIONS		
DATE: 12/07/17														
SCALE: AS INDICATED														
DWG. BY: CO														
CHK BY: ECV														
DRAWING NO.: FL25560.3														
SHEET: 16 OF 16														