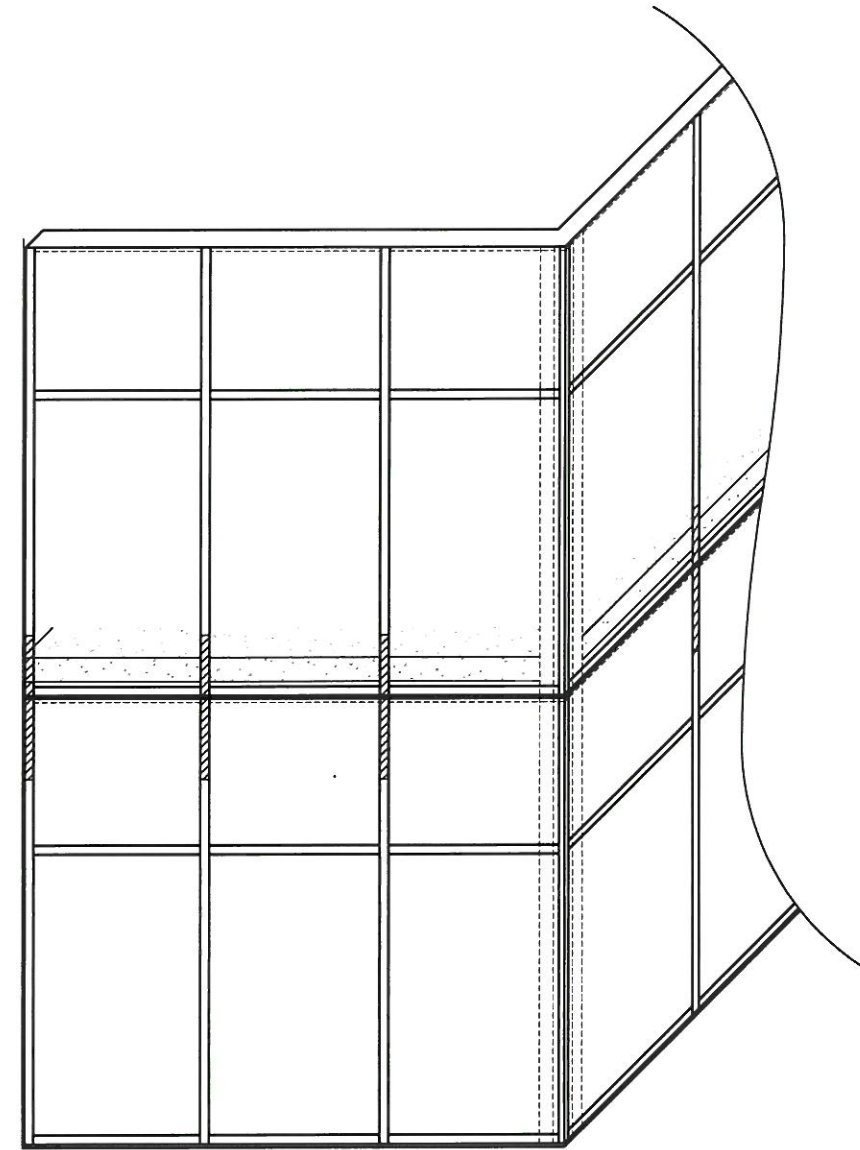


"SMALL MISSILE IMPACT"

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 complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering when installed greater than 30 feet above grade.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with Section 1609.1.2 of the 2023 FBC and does not require an impact resistant covering when installed greater than 30 feet above grade.
5. When installed 30 feet or less above grade in areas requiring wind borne debris protection, this product must be protected with an impact resistant cover that complies with Section 1609.1.2 of the FBC
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".

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

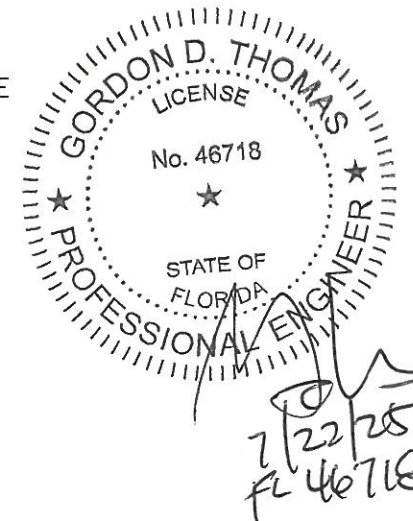
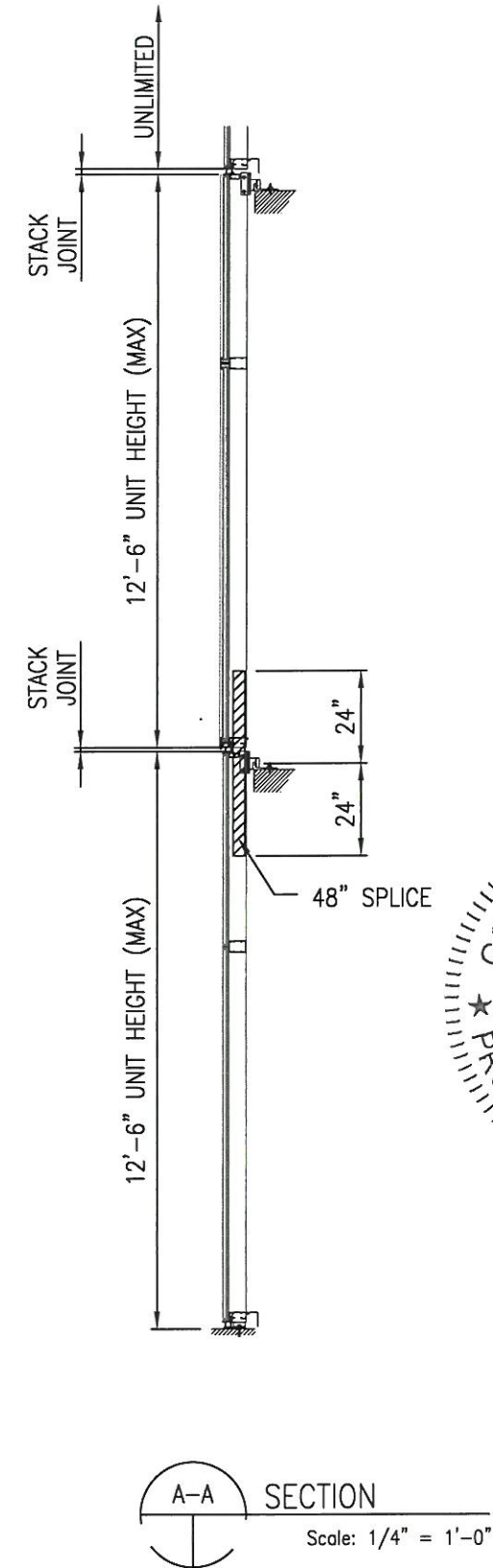
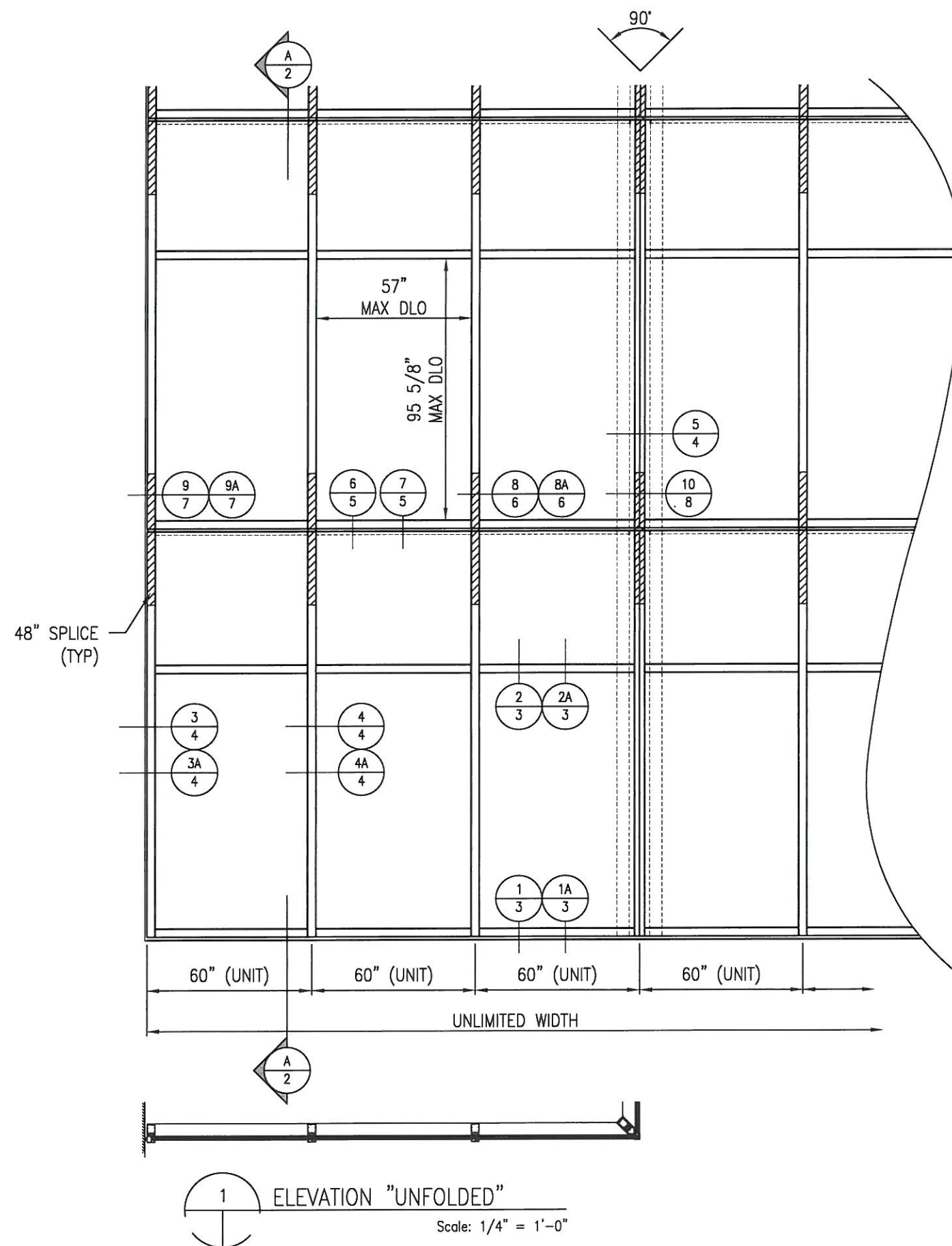
7/22/25
FL 46718



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	SMALL MISSILE IMPACT
144"	60"	GL1	BUTT GLAZED	57" X 95-5/8"	+75	-75	SMALL MISSILE IMPACT

INDEX TO DRAWINGS	
SHEET #	DESCRIPTION
1	GENERAL NOTES, ELEVATION AND DESIGN PRESSURES
2	ELEVATION
3	HORIZONTAL DETAILS
4	VERTICAL DETAILS
5	STACK JOINT - SECTION
6	STACK JOINT - PLAN
7	STACK JOINT - PLAN AT JAMB
8	STACK JOINT - PLAN AT CORNER
9	SILL ANCHORS AND ANCHOR SCHEDULE
10	COMPONENTS
11	COMPONENTS AND GLAZING
12	BILL OF MATERIALS

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



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

SUN METALS

PRODUCT: SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY: ELEVATION

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: 12/7/17

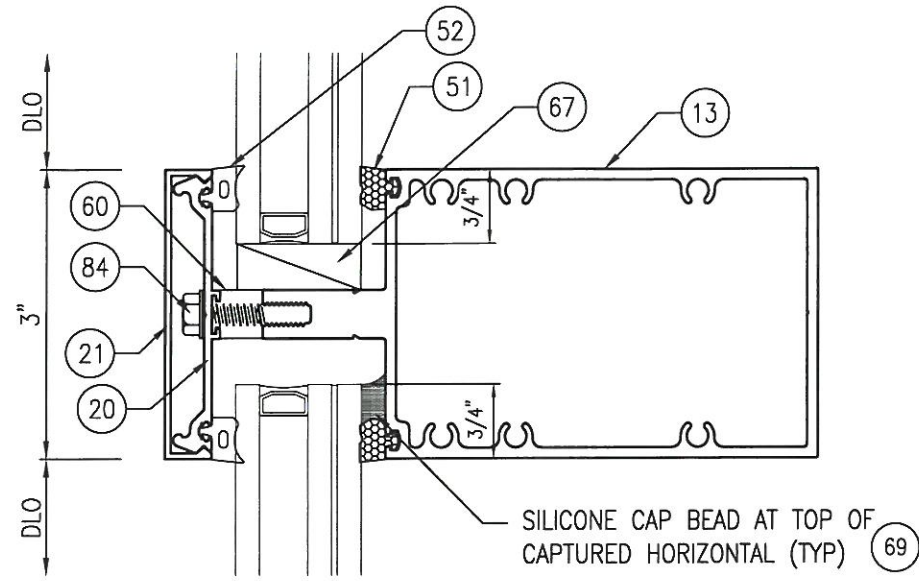
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DWG. BY: CO

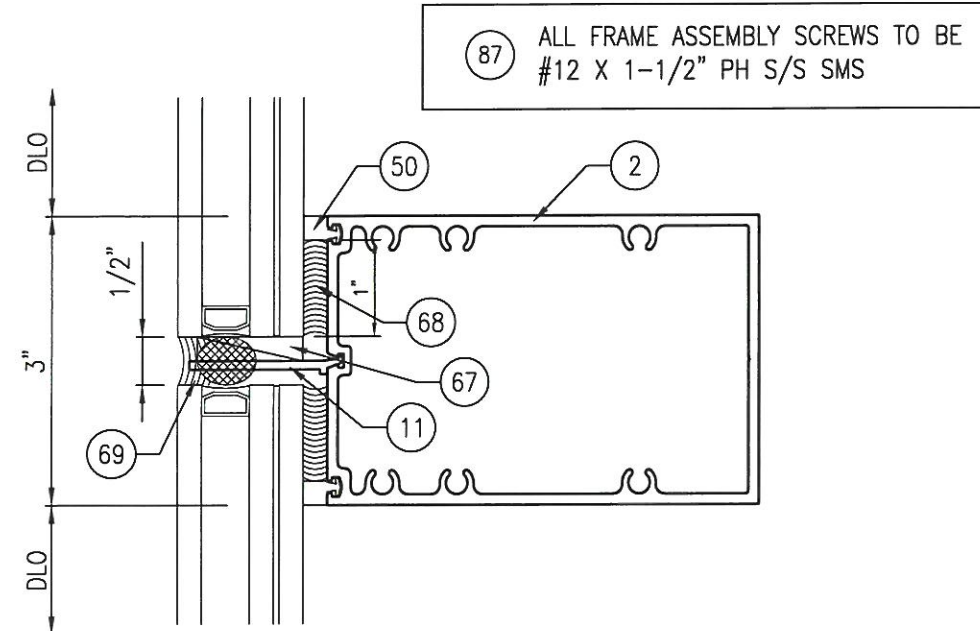
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DRAWING NO.: FL25560.2

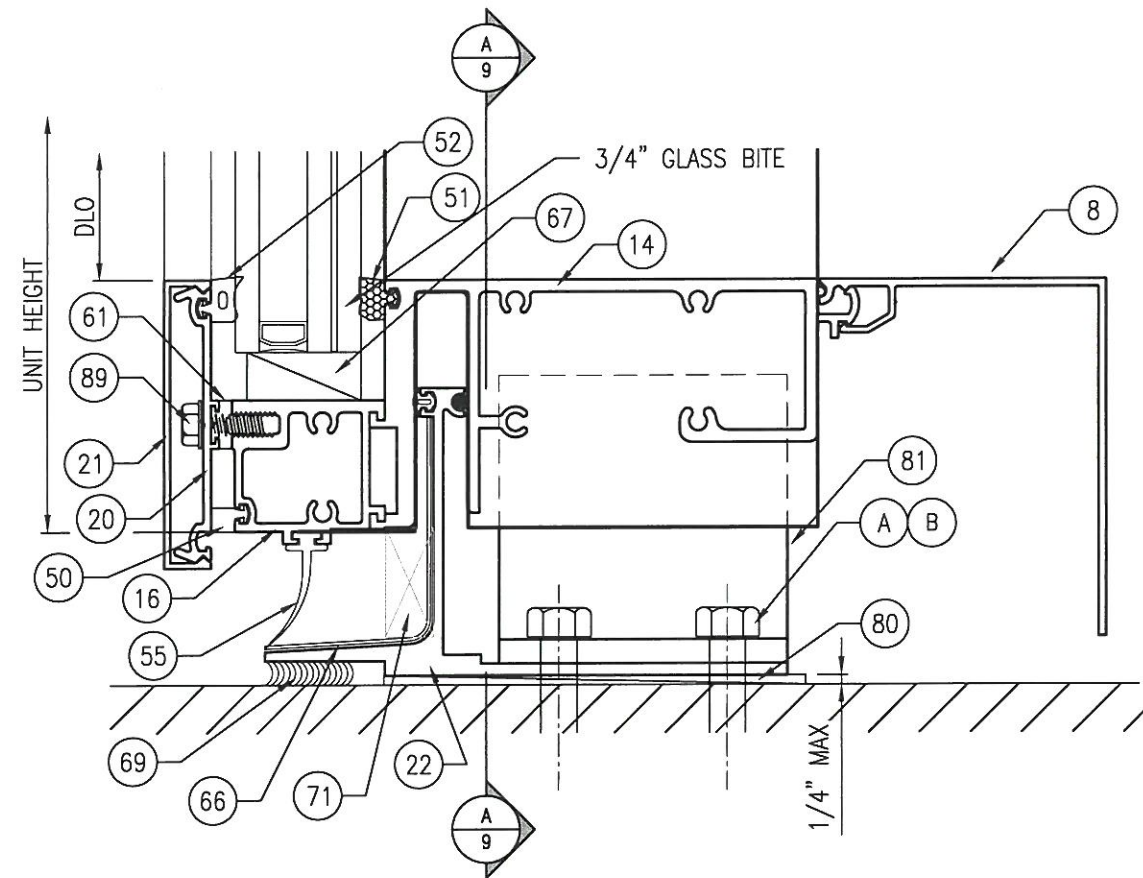
SHEET: **2** OF **12**



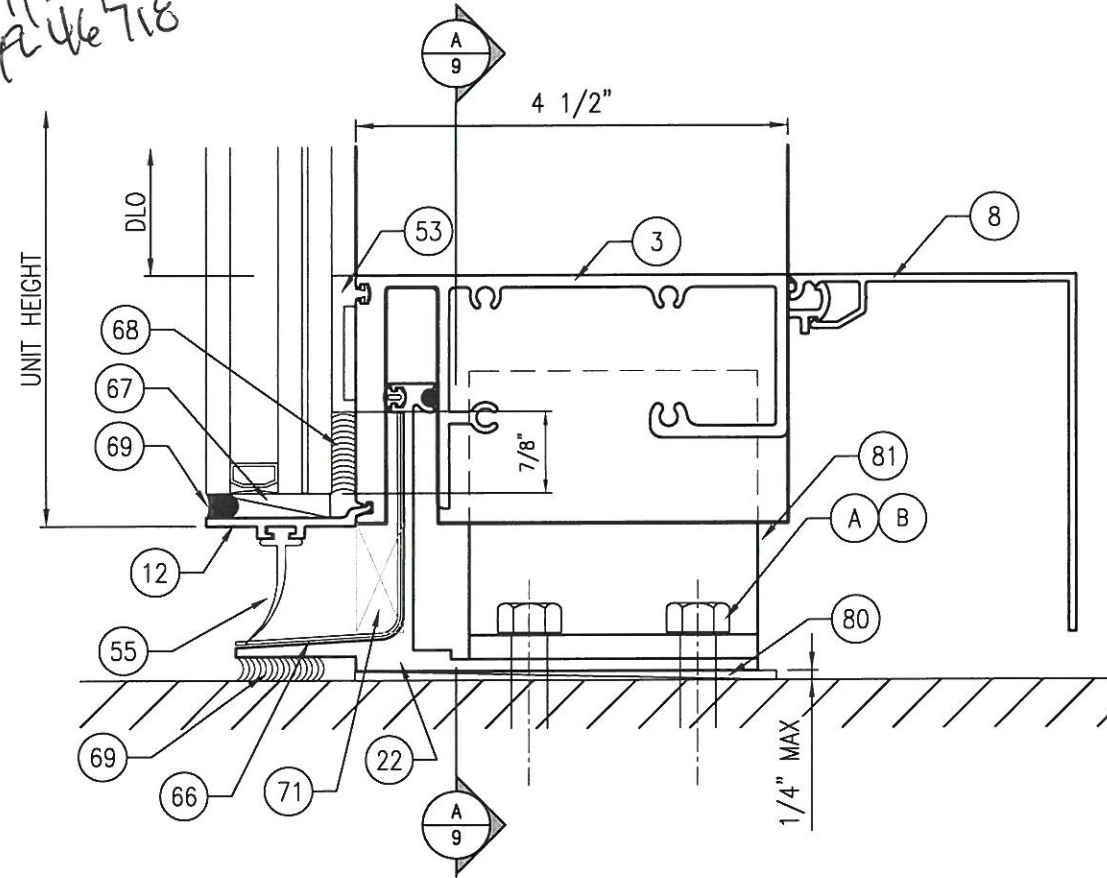
2 HORIZONTAL (CAPTURED)
Scale: 6" = 1'-0"



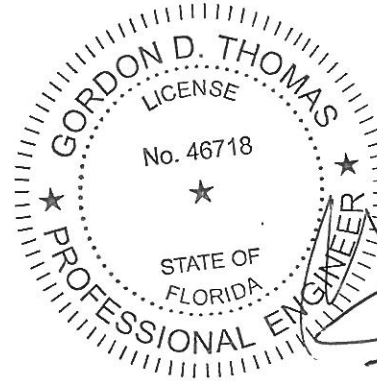
2A HORIZONTAL (BUTT-GLAZED)
Scale: 6" = 1'-0"



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



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



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PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE 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
1			

DATE: 12/7/17

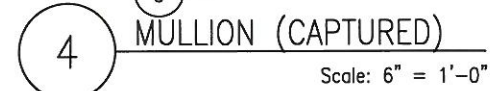
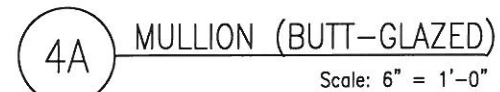
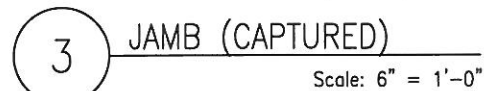
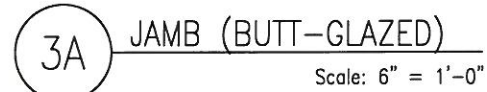
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.2

SHEET: 3 OF 12

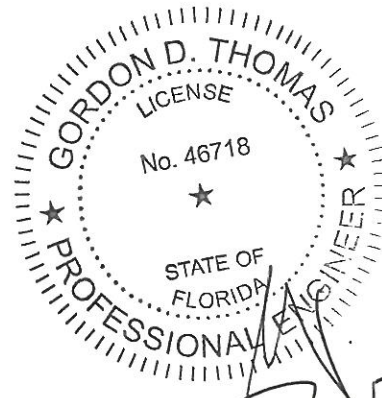


SUN METALS

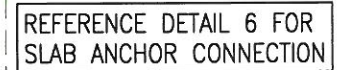
PRODUCT: SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY:
VERTICAL DETAILS

DATE: 12/7/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL25560.2
SHEET: 4 OF 12



Scale: 6" = 1'-0"



Scale: 6" = 1'-0"



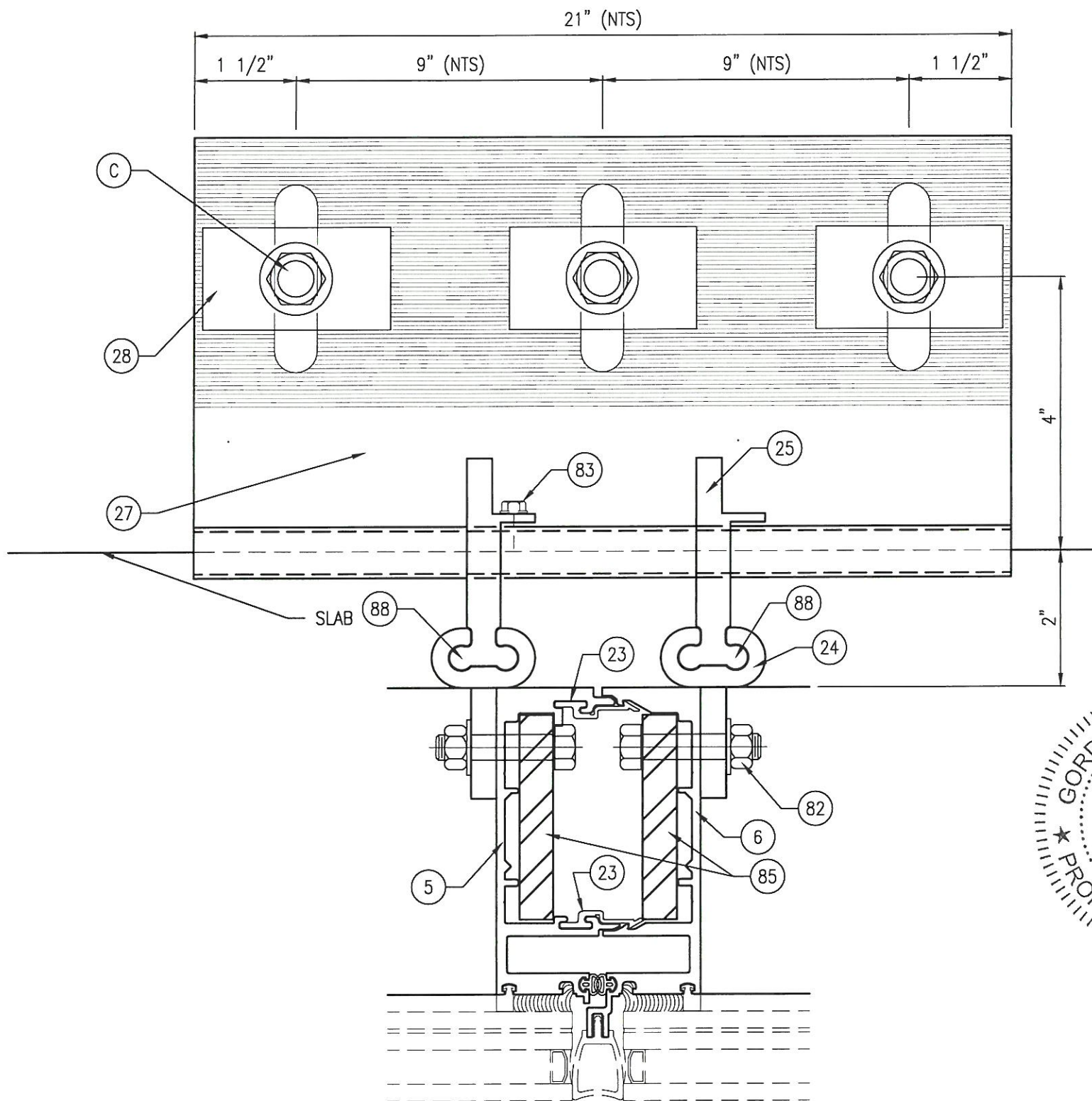
SUN METALS

PRODUCT: SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

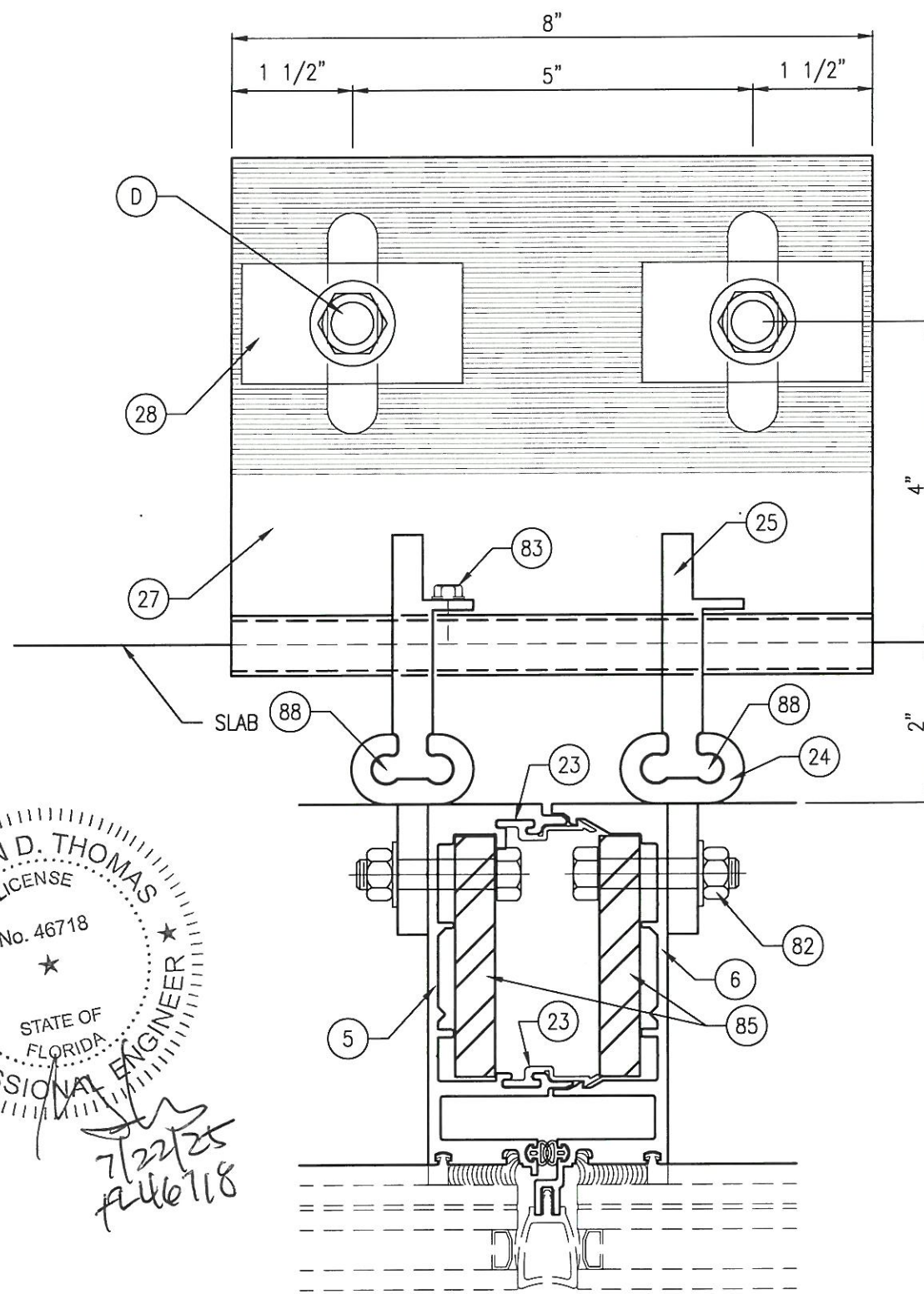
PART OR ASSEMBLY:

11

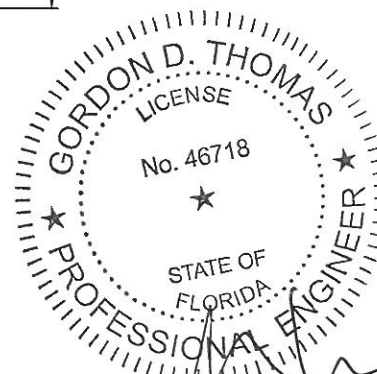
SHEET: 5 OF 12



8 STACK JOINT (INTERMEDIATE VERTICAL)
CONCRETE ANCHOR
Scale: 6" = 1'-0"



8A STACK JOINT (INTERMEDIATE VERTICAL)
STEEL ANCHOR
Scale: 6" = 1'-0"



7/22/25
#46718

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FAX: (813) 886-0666



PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY:
MID POINT ANCHOR

PLAN

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

REVISIONS

DATE: 12/7/17

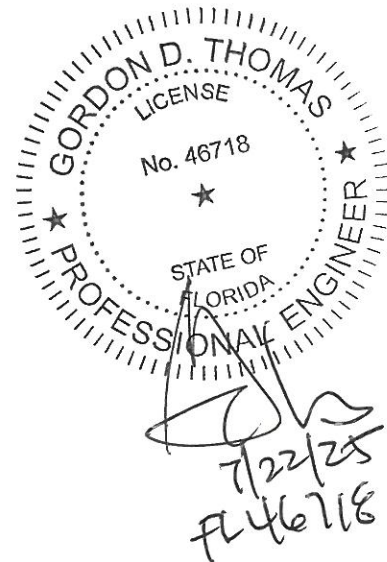
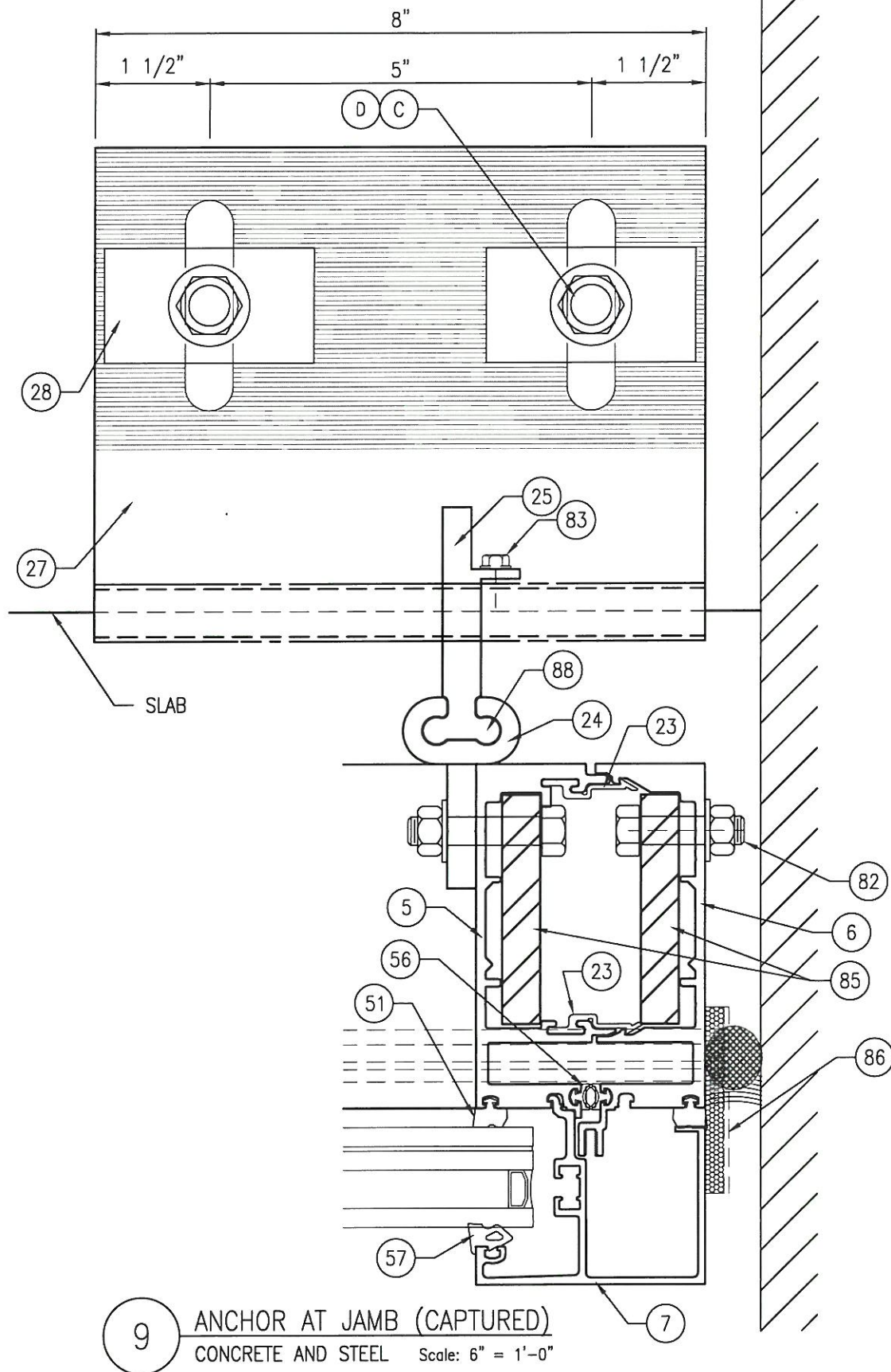
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DWG. BY: CO

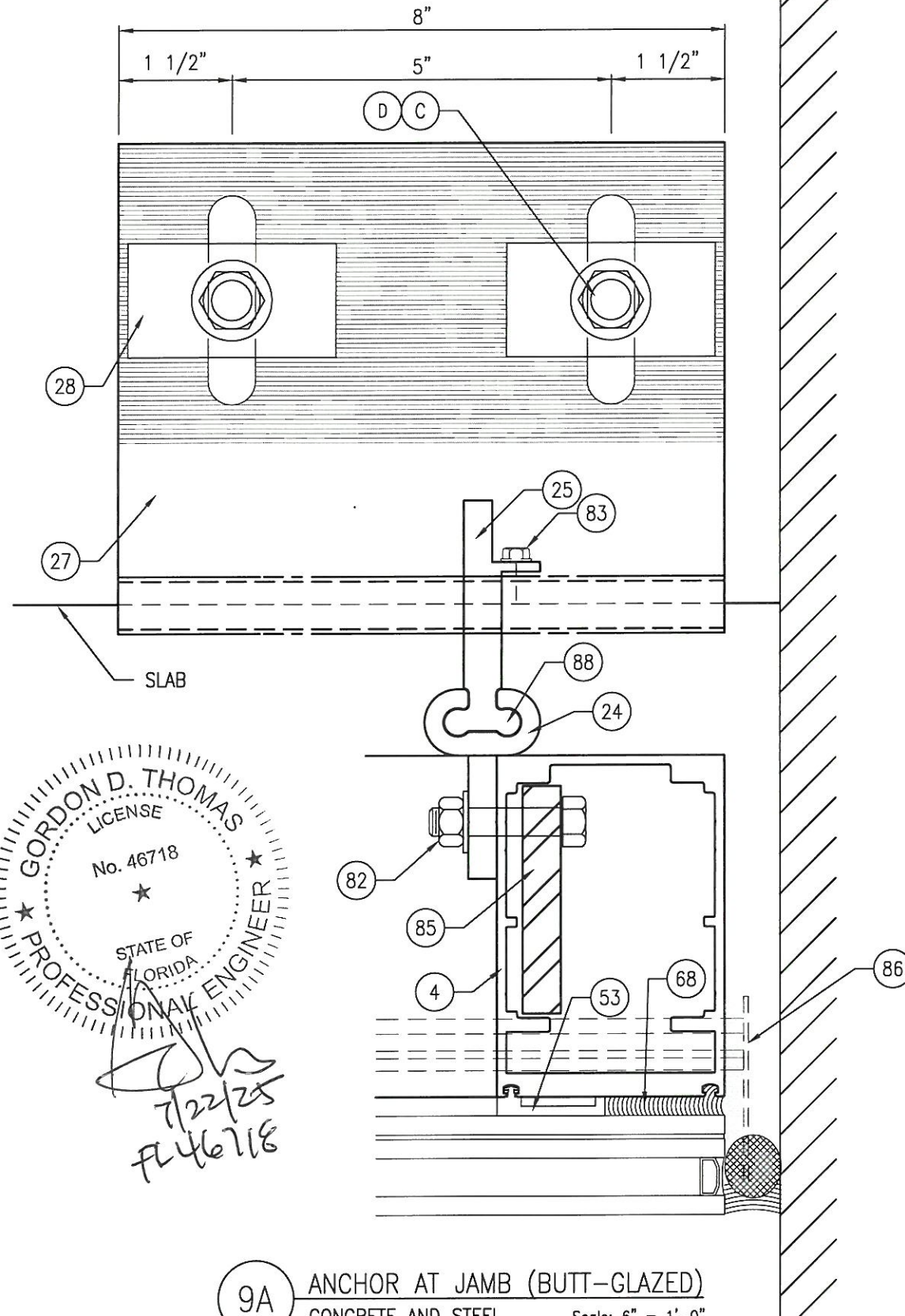
CHK BY: ECV

DRAWING NO.:
FL25560.2

SHEET: 6 OF 12



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



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PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE 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: 12/7/17

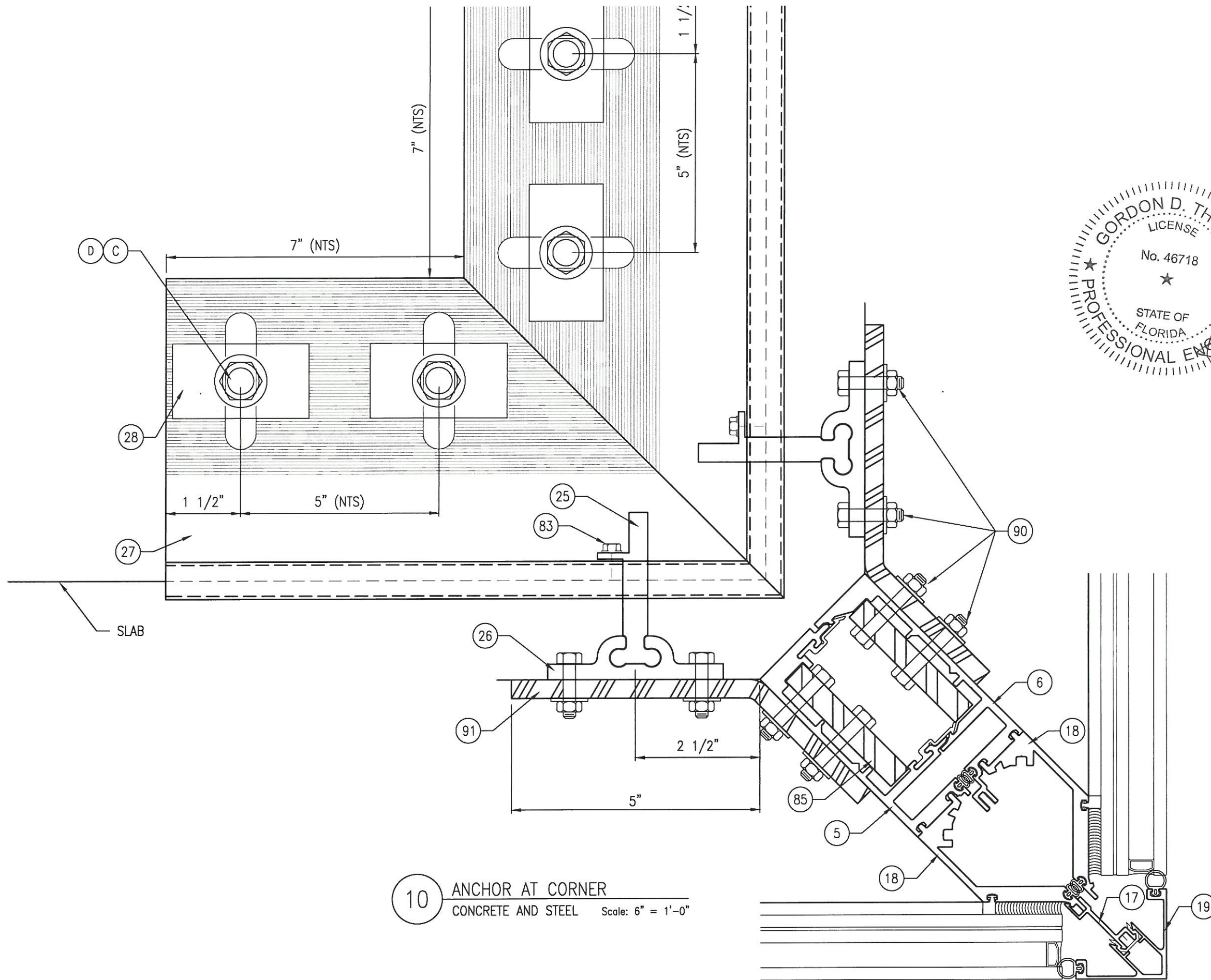
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.2

SHEET: 7 OF 12



10 ANCHOR AT CORNER
CONCRETE AND STEEL Scale: 6" = 1'-0"

GORDON D. THOMAS
LICENSE
No. 46718
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
7/22/25
FL 46718

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PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY:
MID POINT ANCHOR
PLAN AT CORNER

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

DATE: 12/7/17

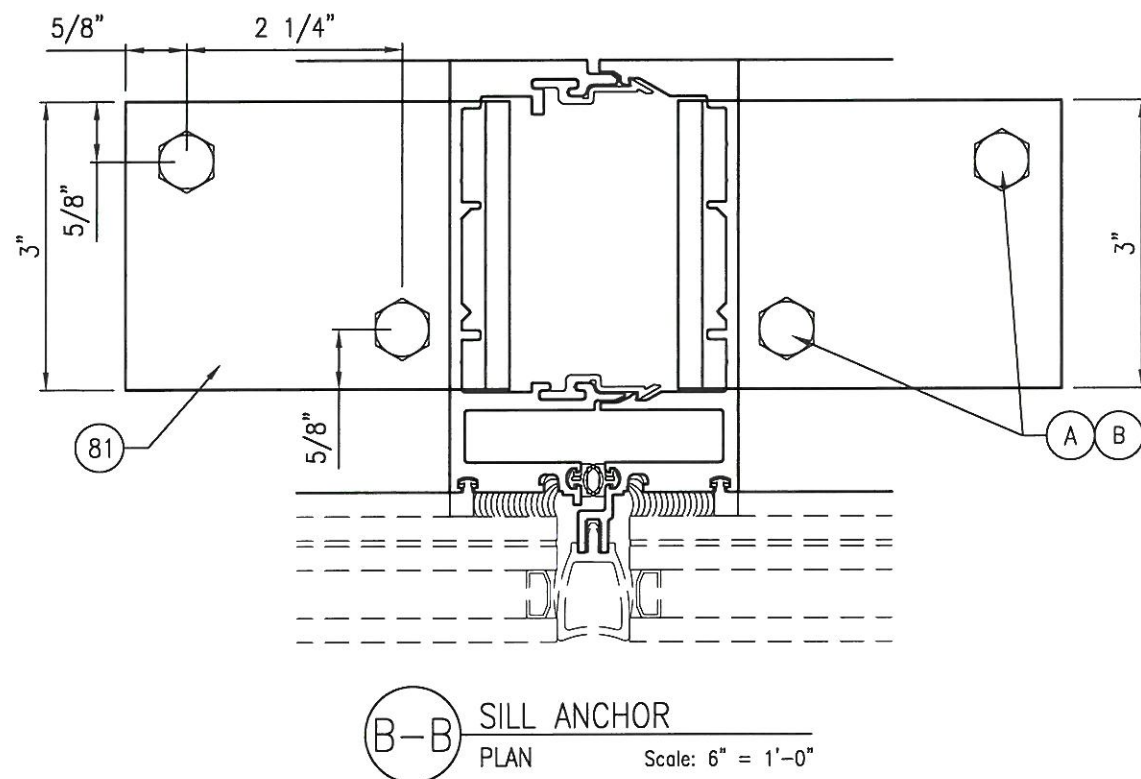
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DWG. BY: CO

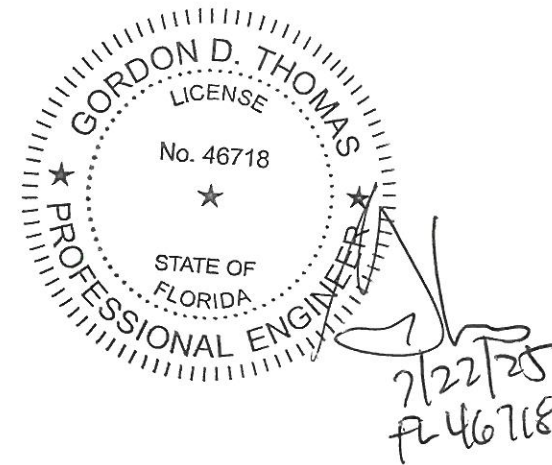
CHK BY: ECV

DRAWING NO.:
FL25560.2

SHEET: **8** OF **12**



SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	3/8" Powers Wedge Bolt with 3-1/2" min embedment, 4" minimum edge distance. Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	B	1/4" diameter self drilling screws or bolts. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,000 PSI & Fu=58,000 PSI or ASTM A653, Fy=33,000 PSI, Fu= 45,000 PSI. Minimum embedment of 3 threads through steel substrate, with 1" min. edge distance.
TOP OF SLAB ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	C	1/2" Powers Wedge Bolt with 3-1/2" min embedment, 4" minimum edge distance. Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	D	1/2" diameter self drilling screws or bolts. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,000 PSI & Fu=58,000 PSI or ASTM A653, Fy=33,000 PSI, Fu= 45,000 PSI. Minimum embedment of 3 threads through steel substrate, with 1" min. edge distance.



SUN METALS

PRODUCT: SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

OR ASSEMBLY: SILL ANCHORS
AND ANCHOR SCHEDULE

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
REVISIONS				

DATE: 12/7/17

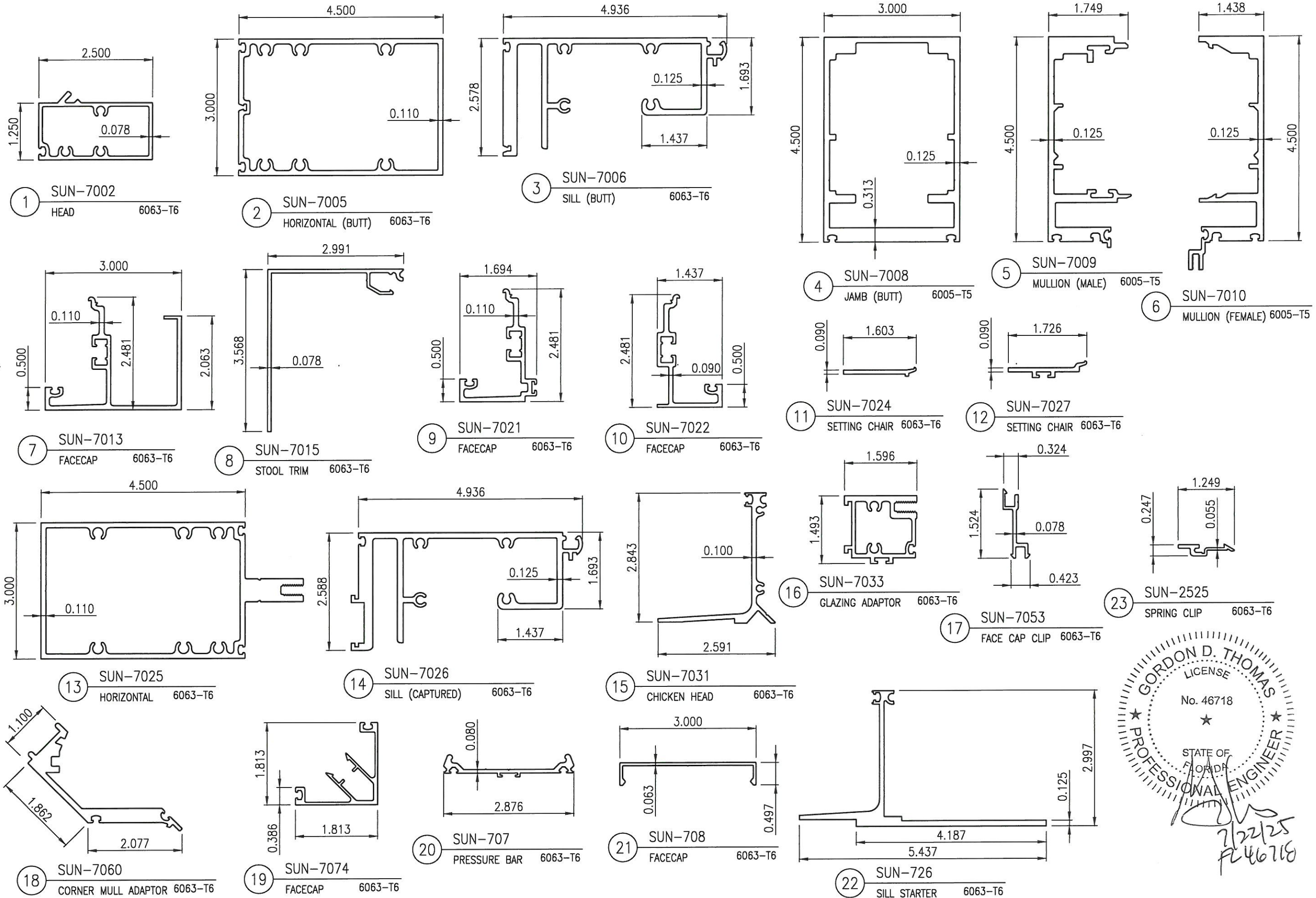
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.2

SHEET: **9** OF **12**



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

7/22/25
FL46718

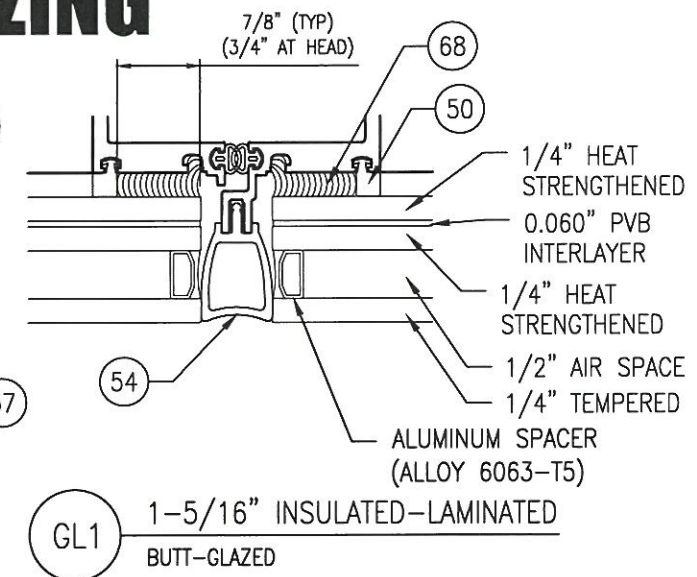
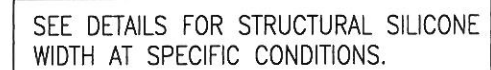
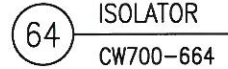
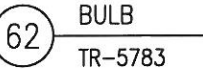
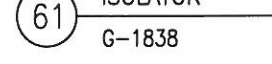
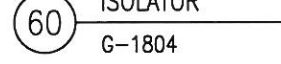
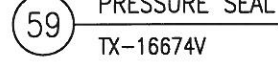
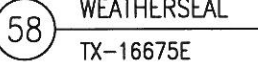
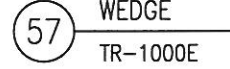
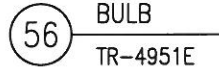
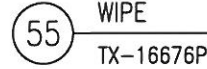
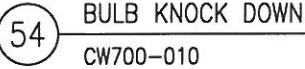
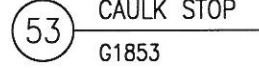
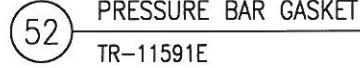
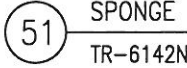
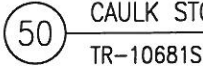
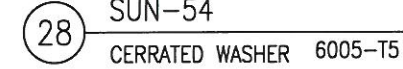
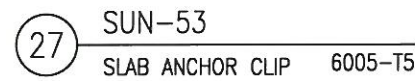
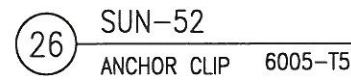
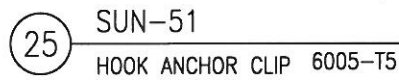
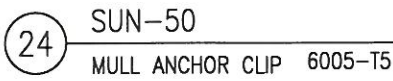
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666

PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY:
COMPONENTS

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

DATE: 12/7/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL25560.2
SHEET: 10 OF 12



SUN METALS

PRODUCT:
SERIES 700SG CURTAIN WALL
SMALL MISSILE IMPACT

PART OR ASSEMBLY:

[illegible]

