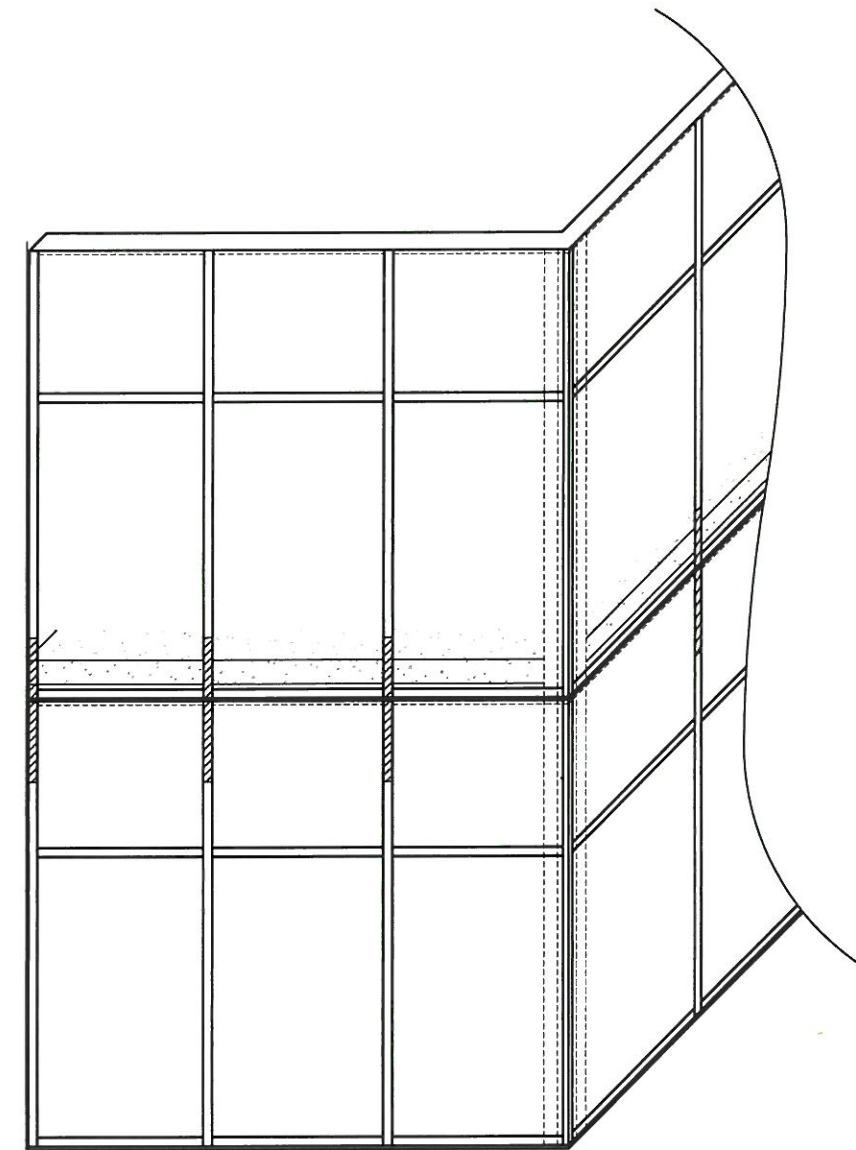
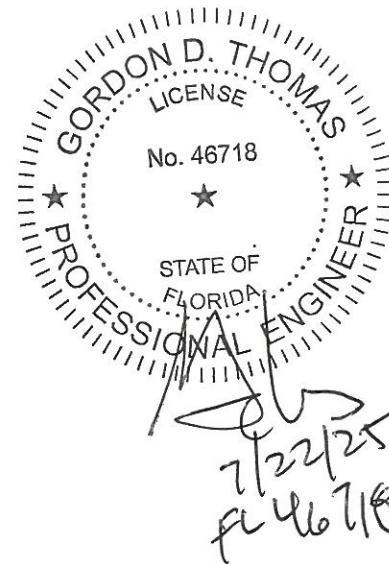


"LARGE MISSILE IMPACT"

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.
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.
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".

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	MID POINT ANCHOR - PLAN
7	MID POINT ANCHOR - PLAN AT JAMB
8	MID POINT ANCHOR - PLAN AT CORNER
9	SILL ANCHORS AND ANCHOR SCHEDULE
10	COMPONENTS
11	COMPONENTS AND GLAZING
12	BILL OF MATERIALS



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

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



PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY: _____
GENERAL NOTES
AND DESIGN PRESSURES

[illegible]

DATE: 12/7/17

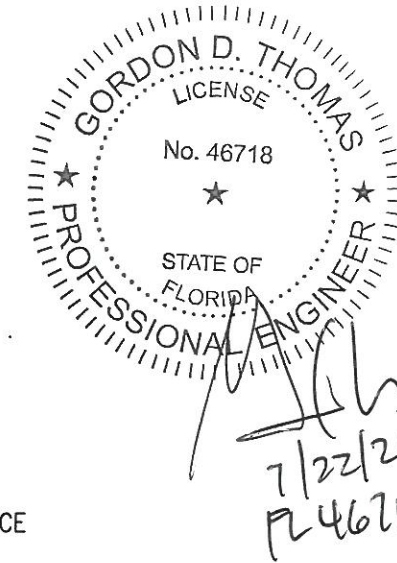
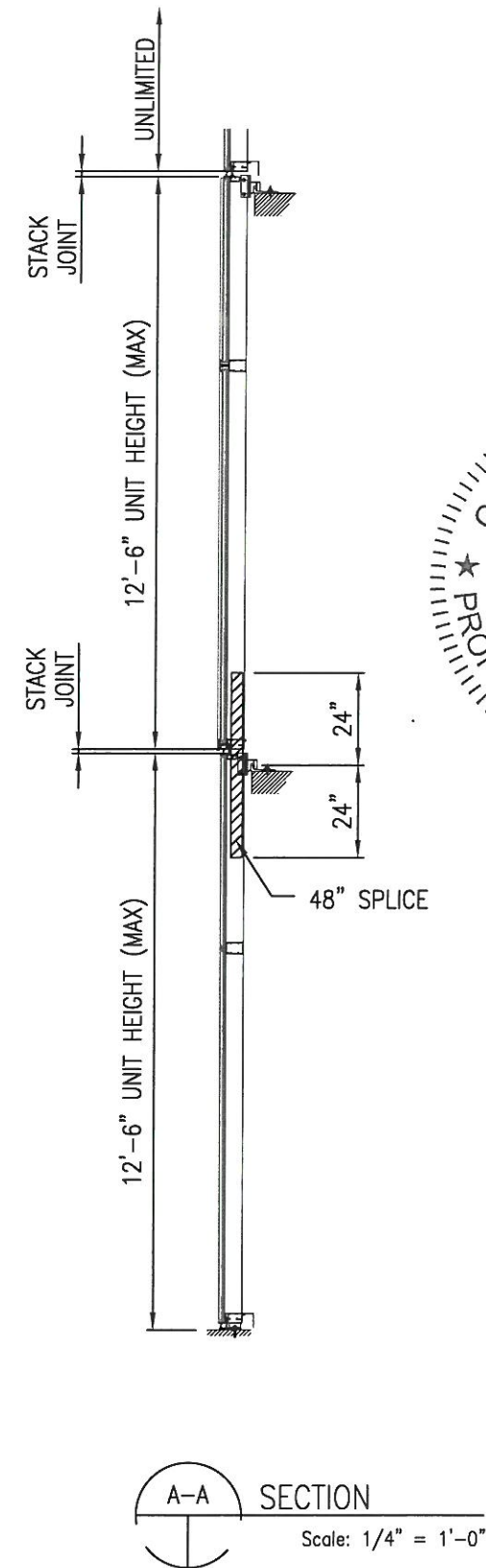
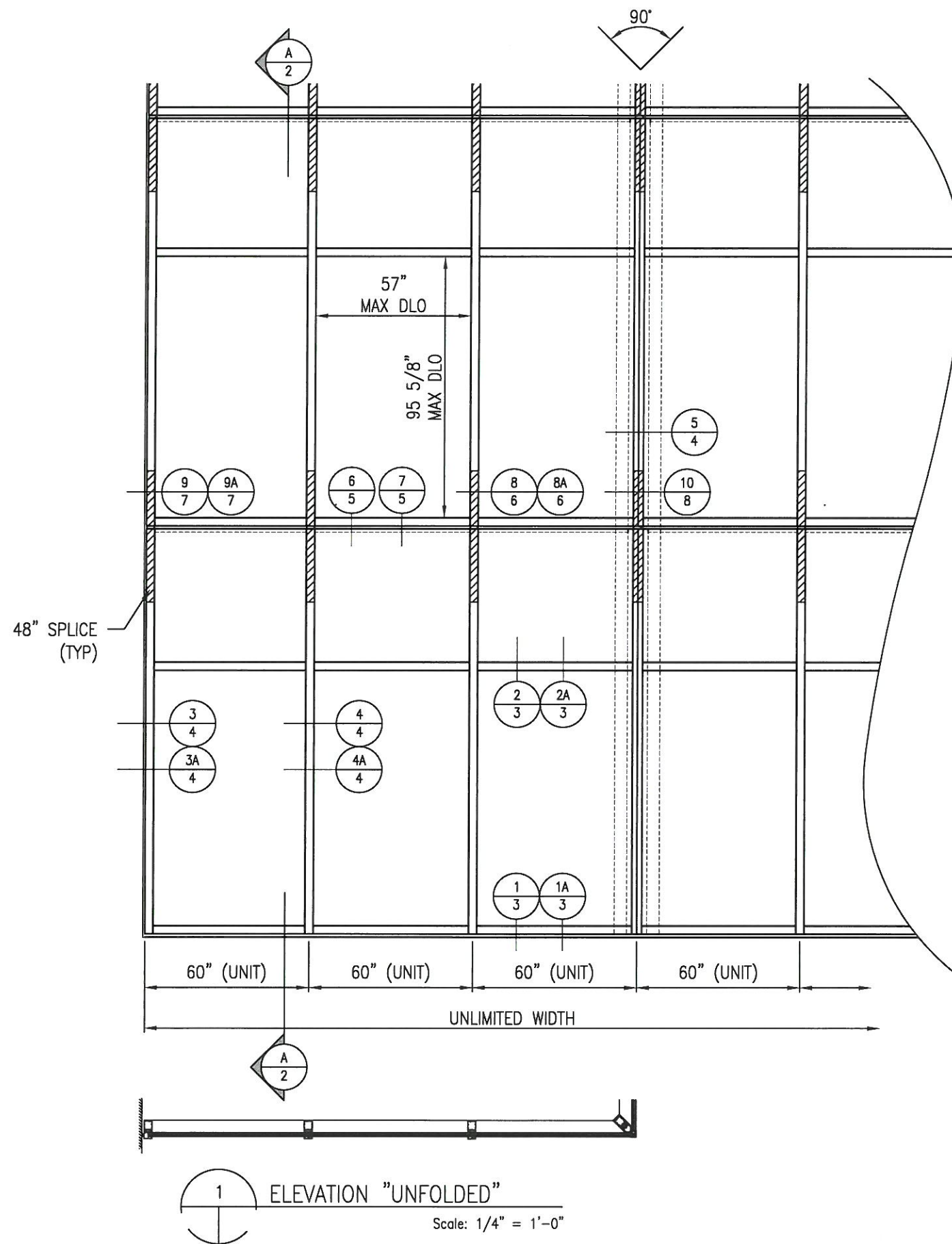
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.1

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 LARGE MISSILE IMPACT		PART OR ASSEMBLY: ELEVATION	
DATE: 12/7/17		SCALE: AS INDICATED		DWG. BY: CO	
CHK BY: ECV		DRAWING NO.: FL25560.1		SHEET: 2 OF 12	
NO		DATE		DESCRIPTION	
2		7/14/25		UPDATE TO 8TH ED. (2023) FBC ECV	
1		9/21/20		UPDATE TO 7TH ED. (2020) FBC JCB	
REVISIONS		BY		BY	

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"

2/22/25
FL 46718

87 ALL FRAME ASSEMBLY SCREWS TO BE
#12 X 1-1/2" PH S/S SMS

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FAX: (813) 886-0666



PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY: HORIZONTAL DETAILS

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

DATE: 12/7/17

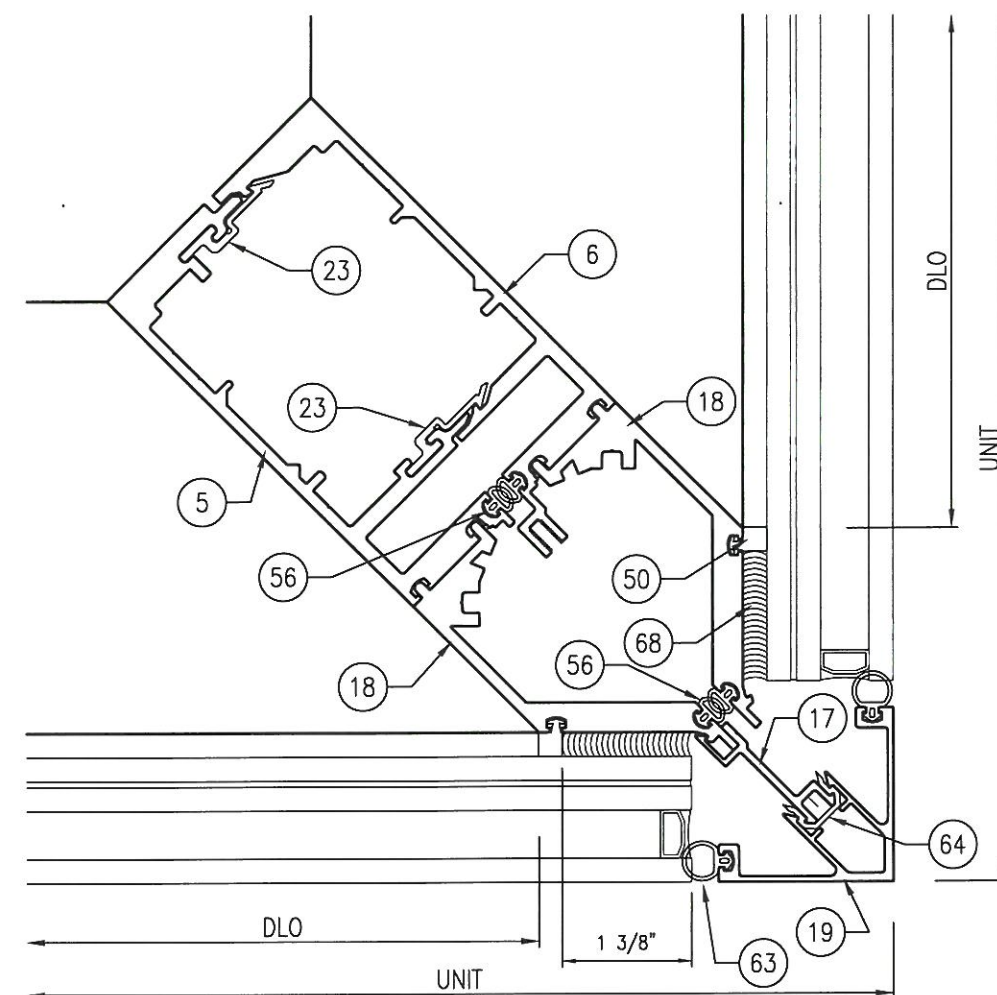
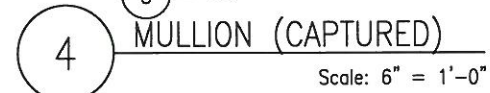
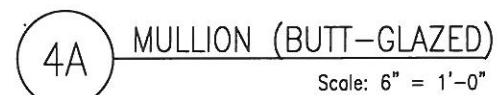
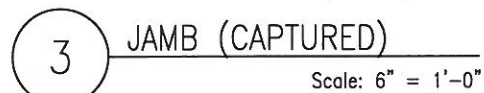
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.1

SHEET: 3 OF 12

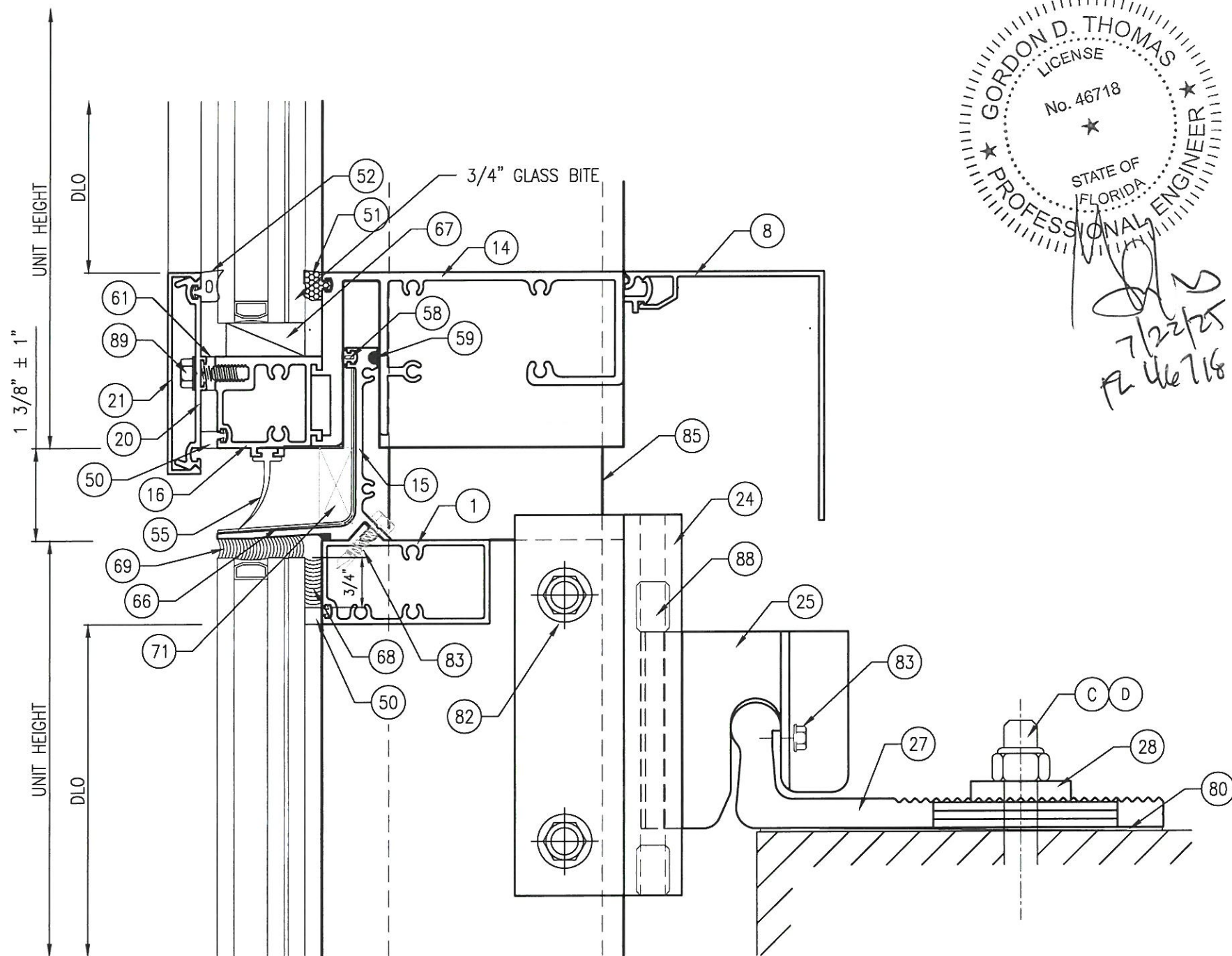


SUN METALS

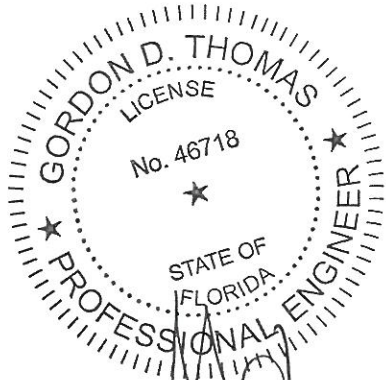
PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:

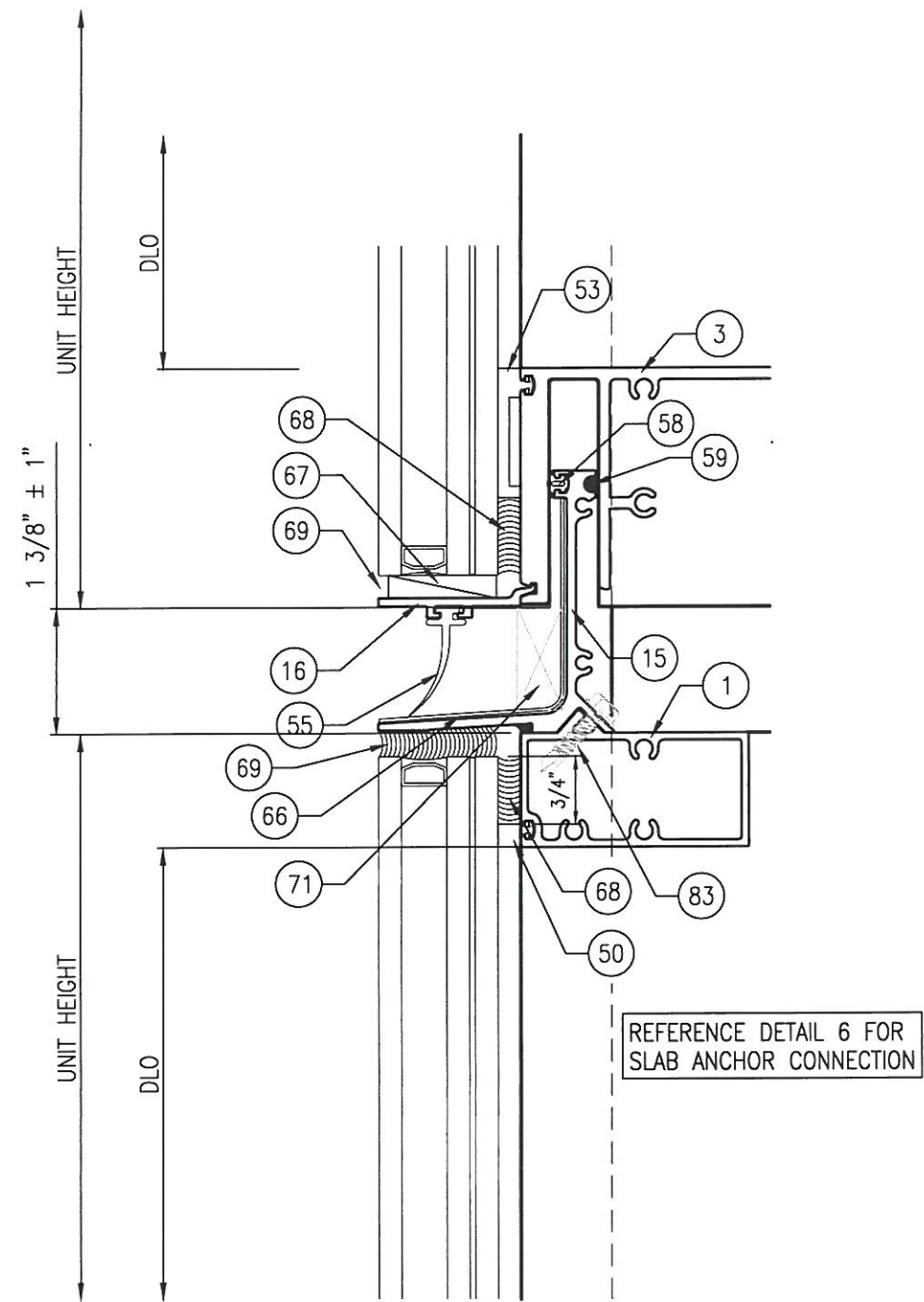
[illegible]



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



7/22/25
R 46716



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

REFERENCE DETAIL 6 FOR
SLAB ANCHOR CONNECTION

[illegible]

DATE: 12/7/17

SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.1

SHEET: 5 OF 12

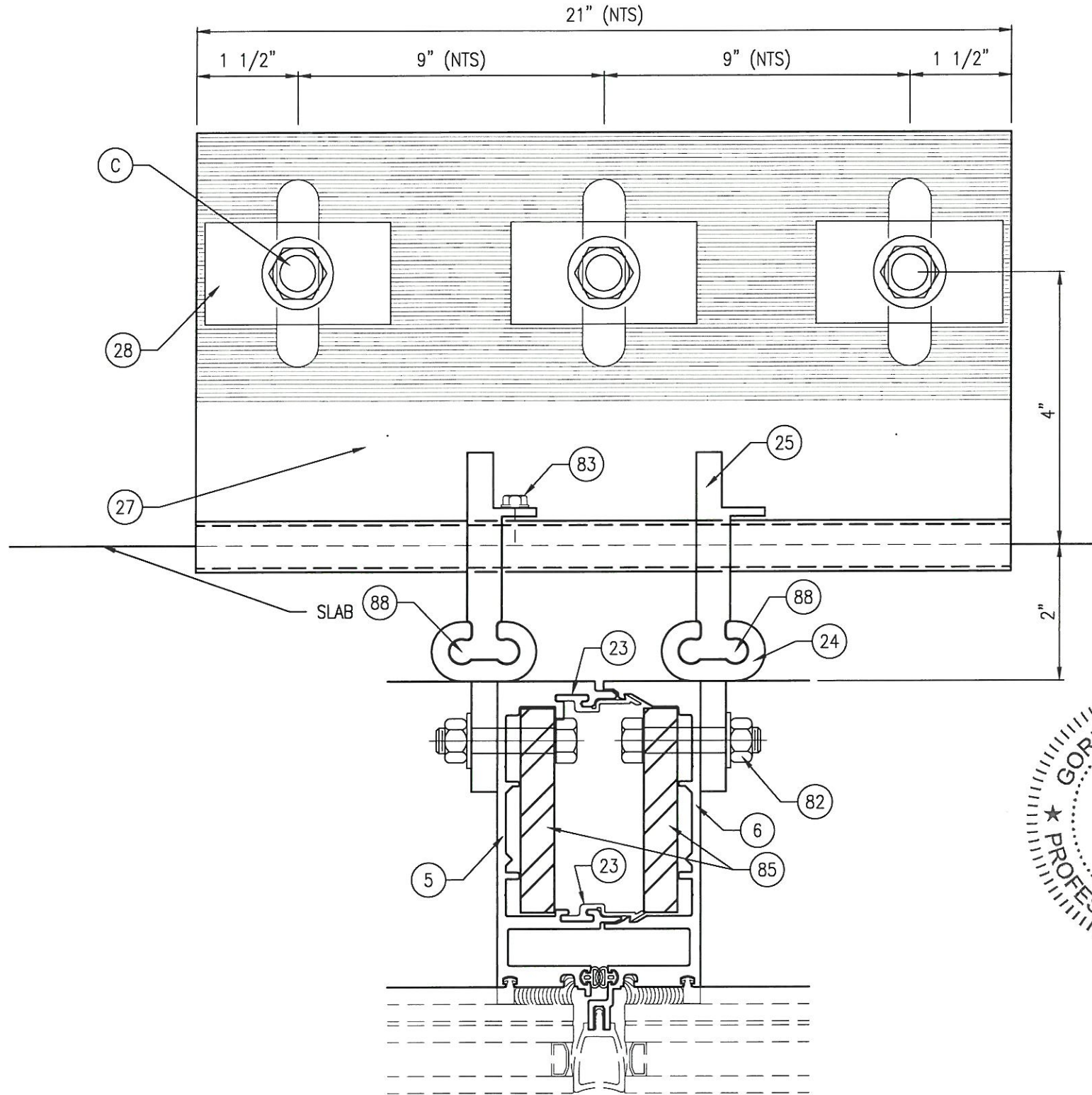
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



PRODUCT: SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

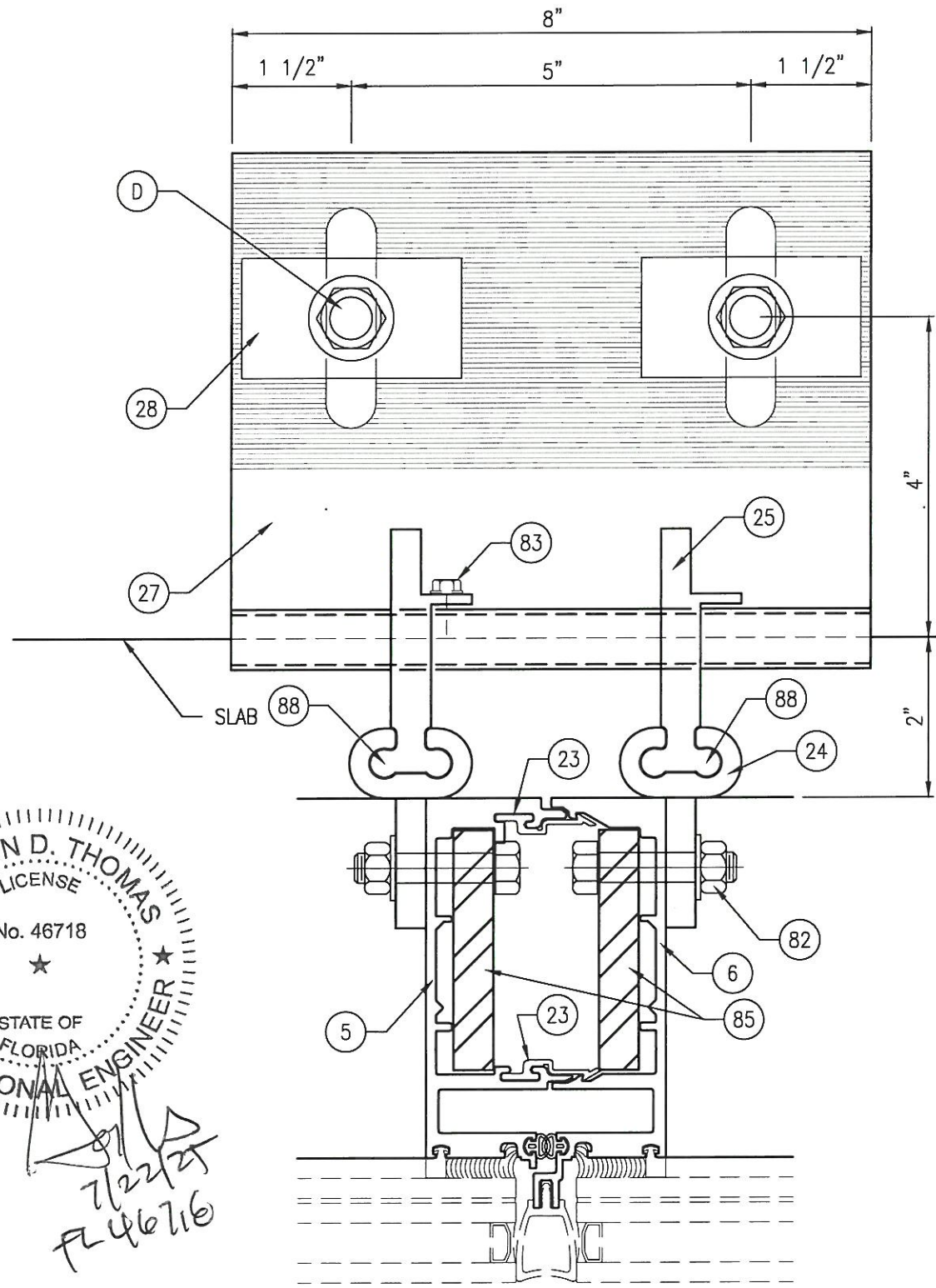
PART OR ASSEMBLY: _____

STACK JOINT
SECTION



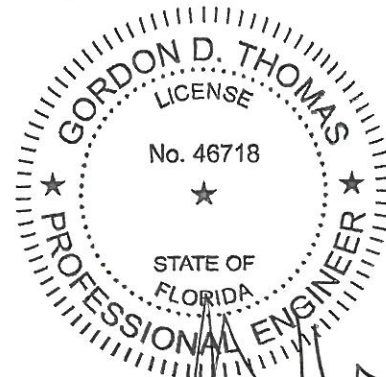
8 STACK JOINT (INTERMEDIATE VERTICAL)
CONCRETE ANCHOR

Scale: 6" = 1'-0"



8A STACK JOINT (INTERMEDIATE VERTICAL)
STEEL ANCHOR

Scale: 6" = 1'-0"



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PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
MID POINT ANCHOR
PLAN

NO	DATE	DESCRIPTION	BY
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1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 12/7/17

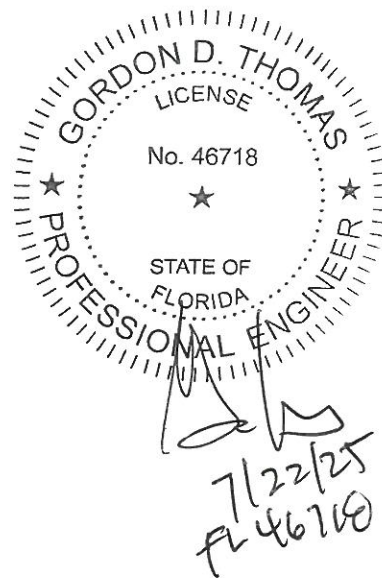
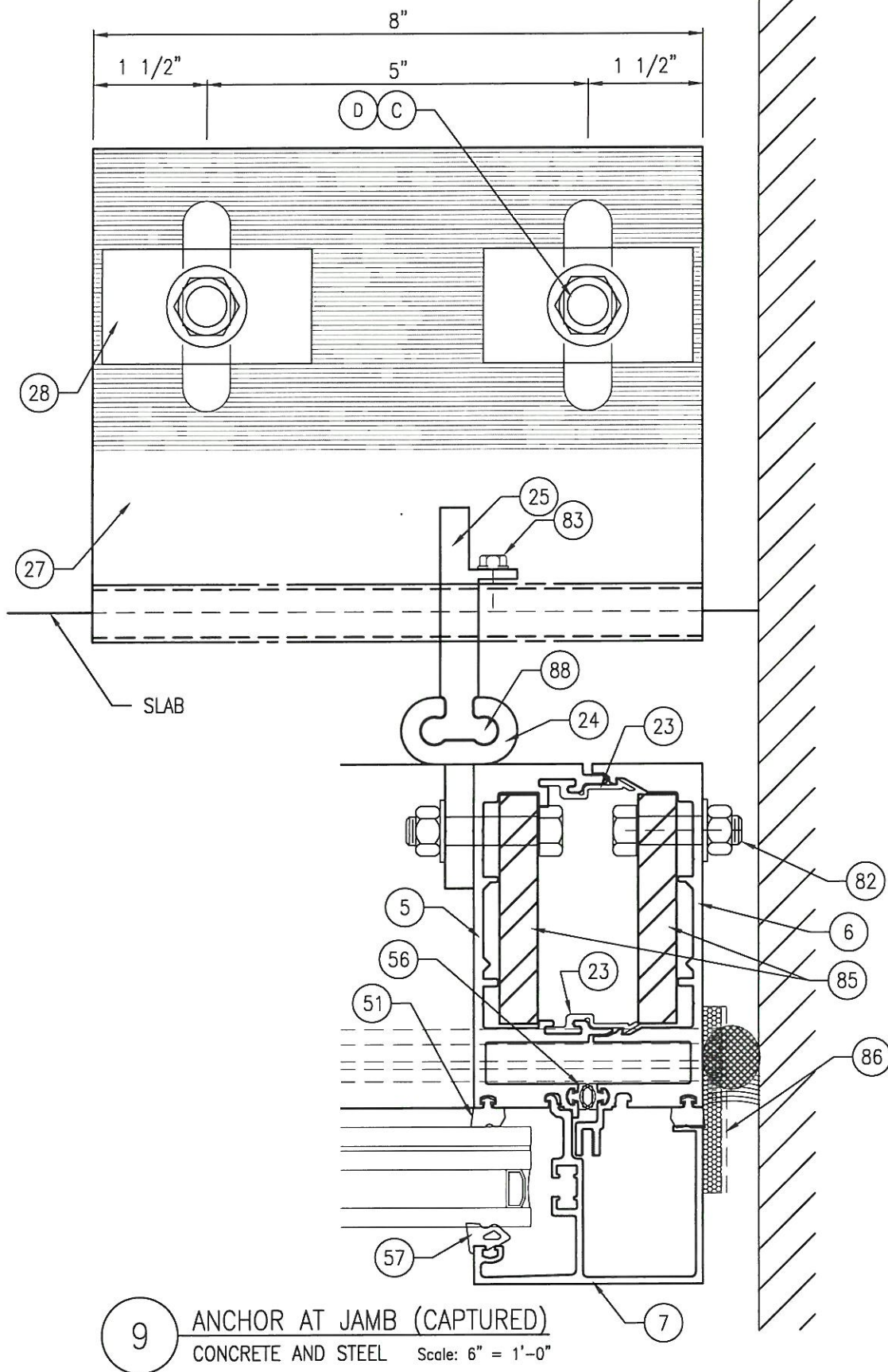
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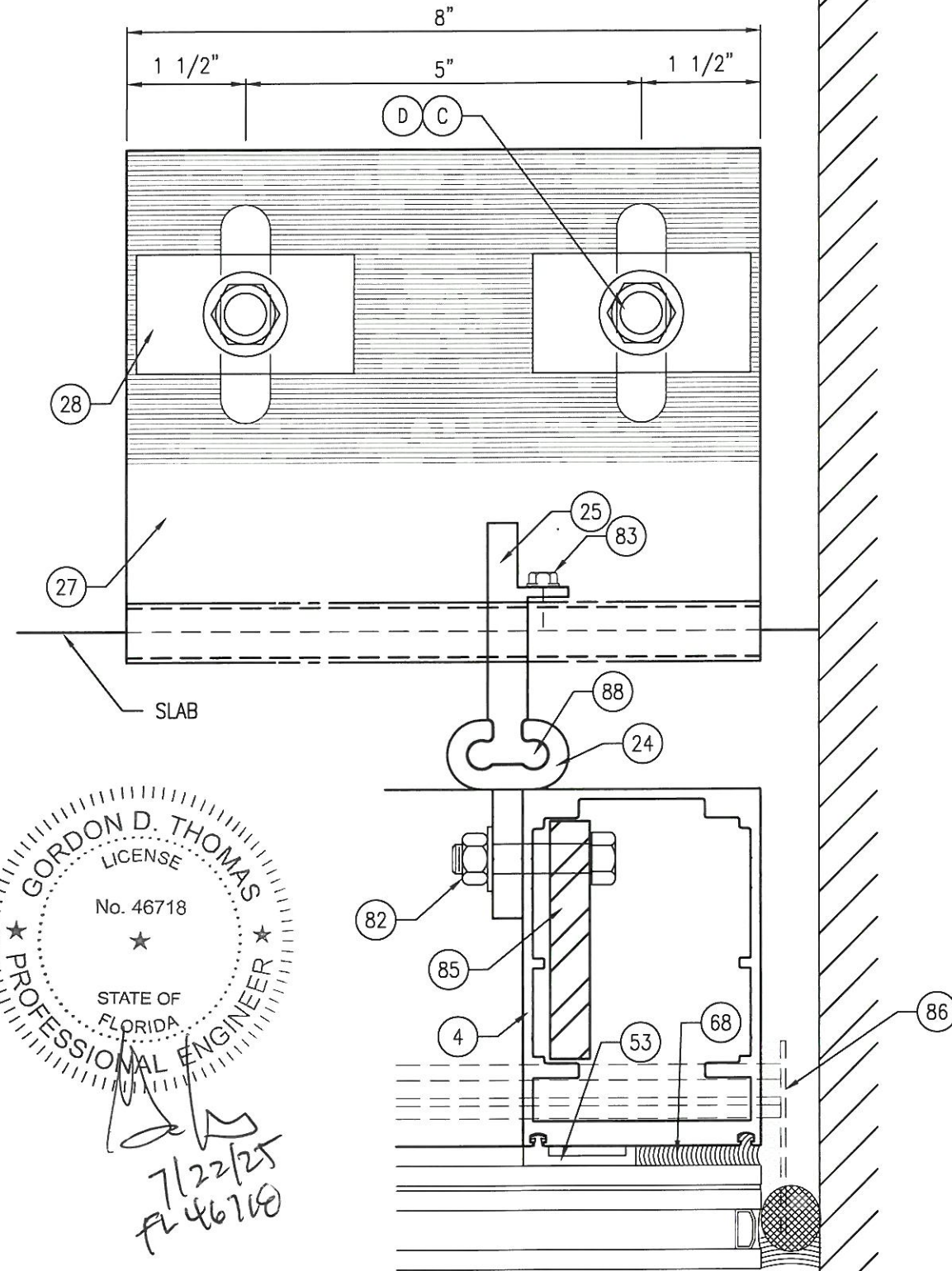
CHK BY: ECV

DRAWING NO.:
FL25560.1

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
LARGE 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	JOB

DATE: 12/7/17

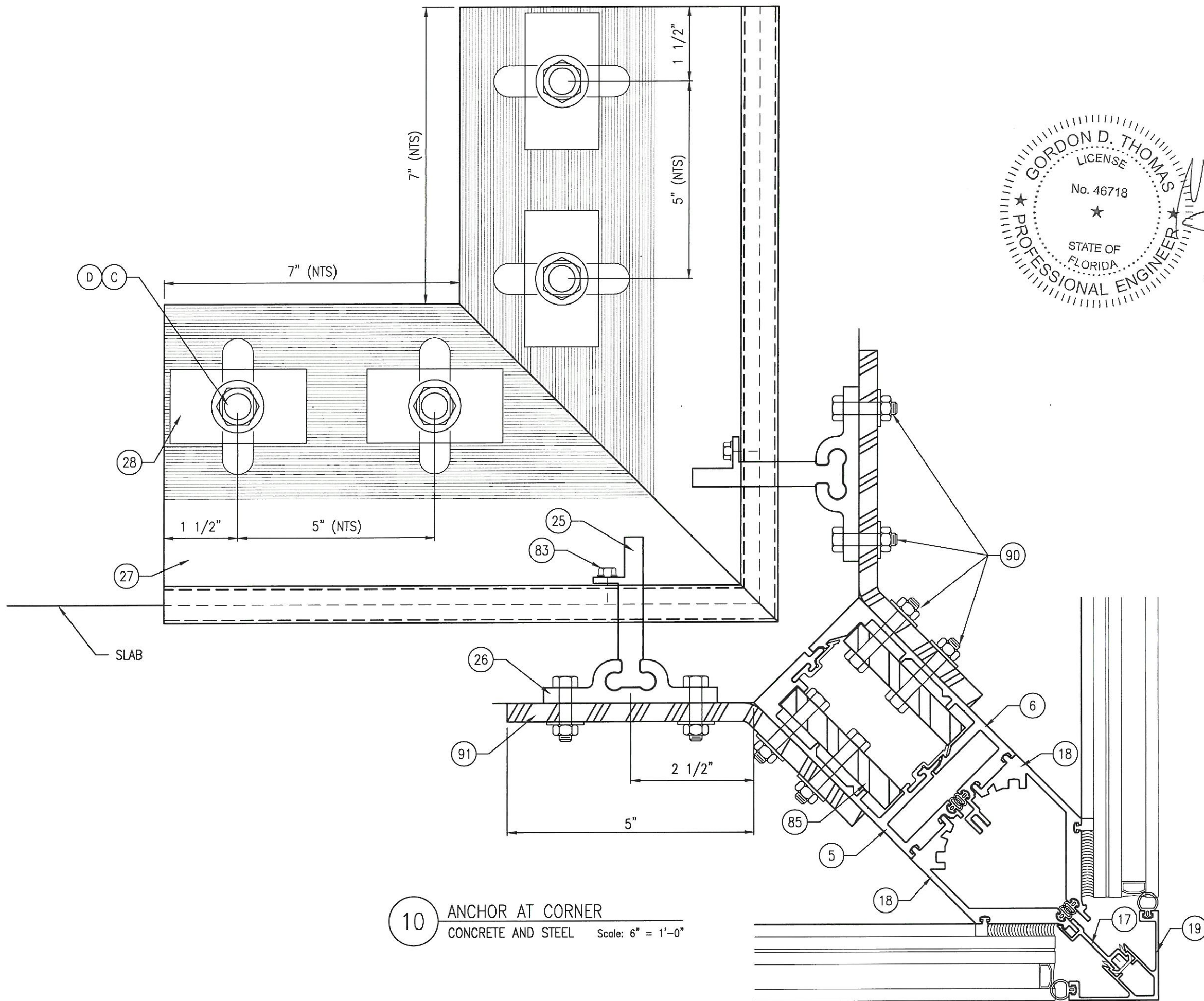
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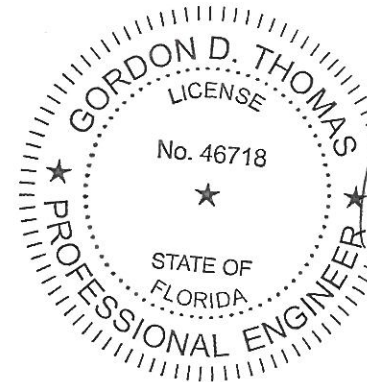
CHK BY: ECV

DRAWING NO.:
FL25560.1

SHEET: 7 OF 12



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



2/22/25
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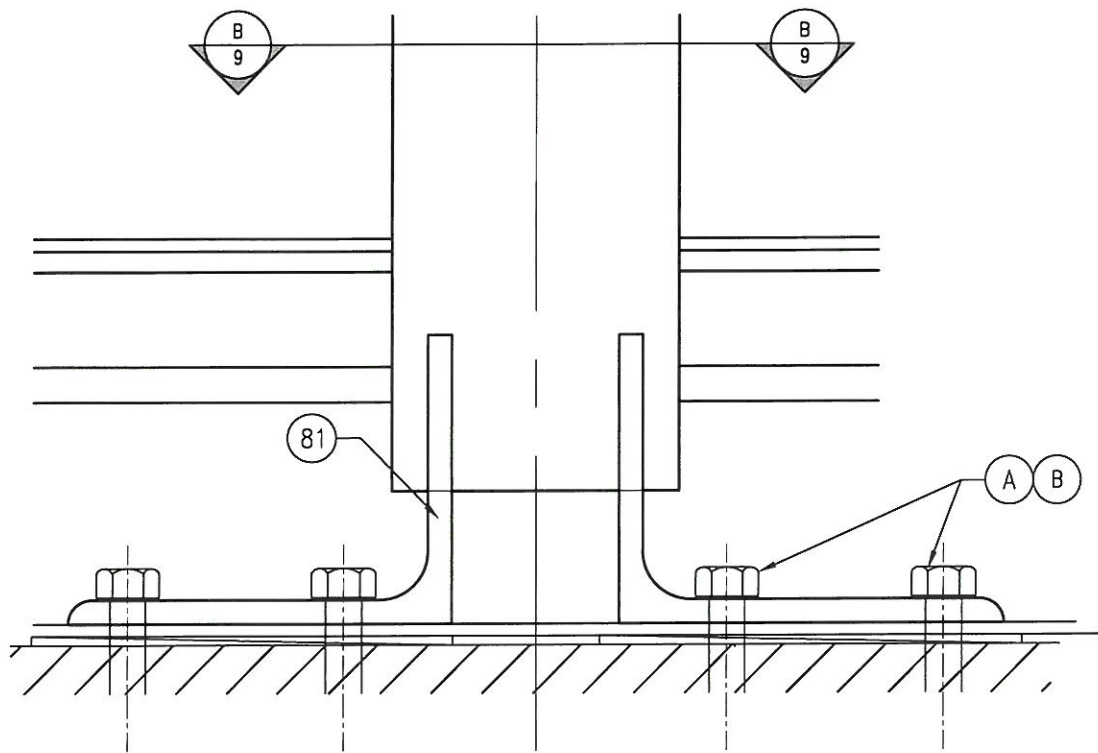
SUN METALS

PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

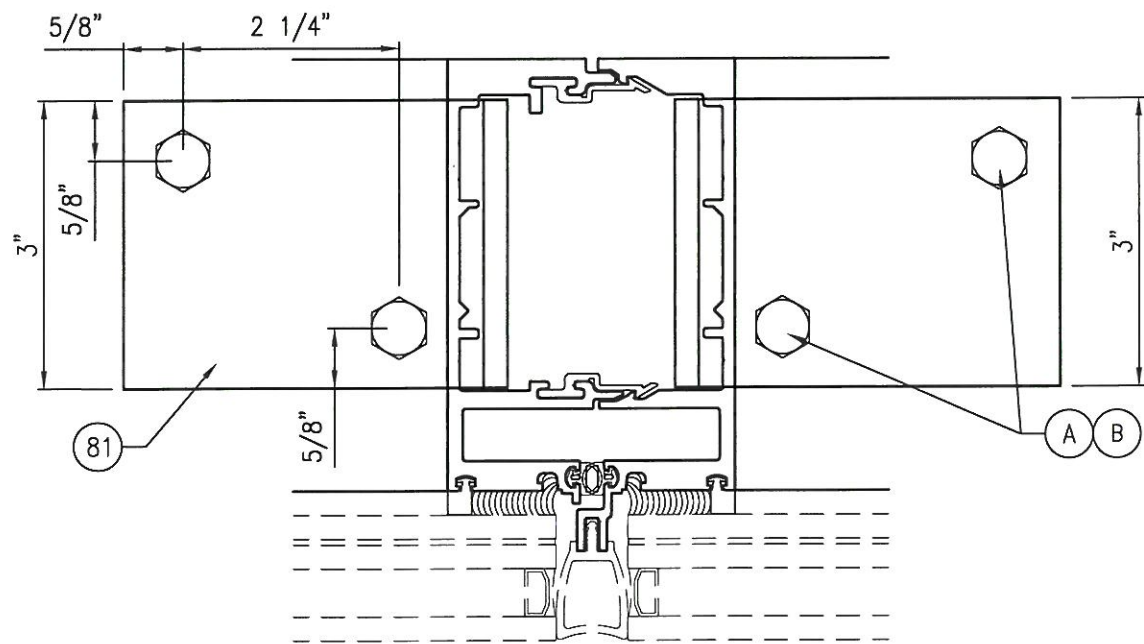
PART OR ASSEMBLY:
MID POINT ANCHOR
PLAN AT CORNER

		REVISIONS			
		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	JOB		

DATE: 12/7/17
 SCALE: AS INDICATED
 DWG. BY: CO
 CHK BY: ECV
 DRAWING NO.: FL25560.1
 SHEET: **8** OF **12**



A-A SILL ANCHOR
SECTION Scale: 6" = 1'-0"



B-B SILL ANCHOR
PLAN Scale: 6" = 1'-0"

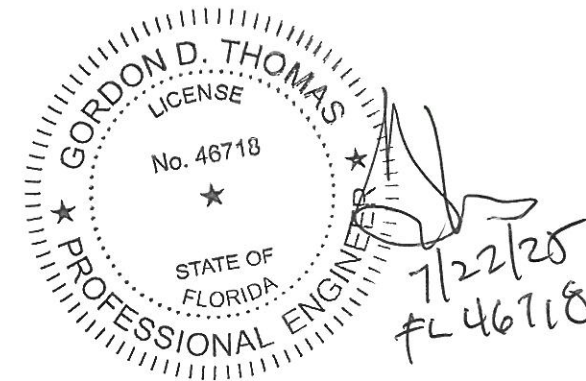
ANCHOR SCHEDULE

SILL ANCHORS

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.



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PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART 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	JOB

DATE: 12/7/17

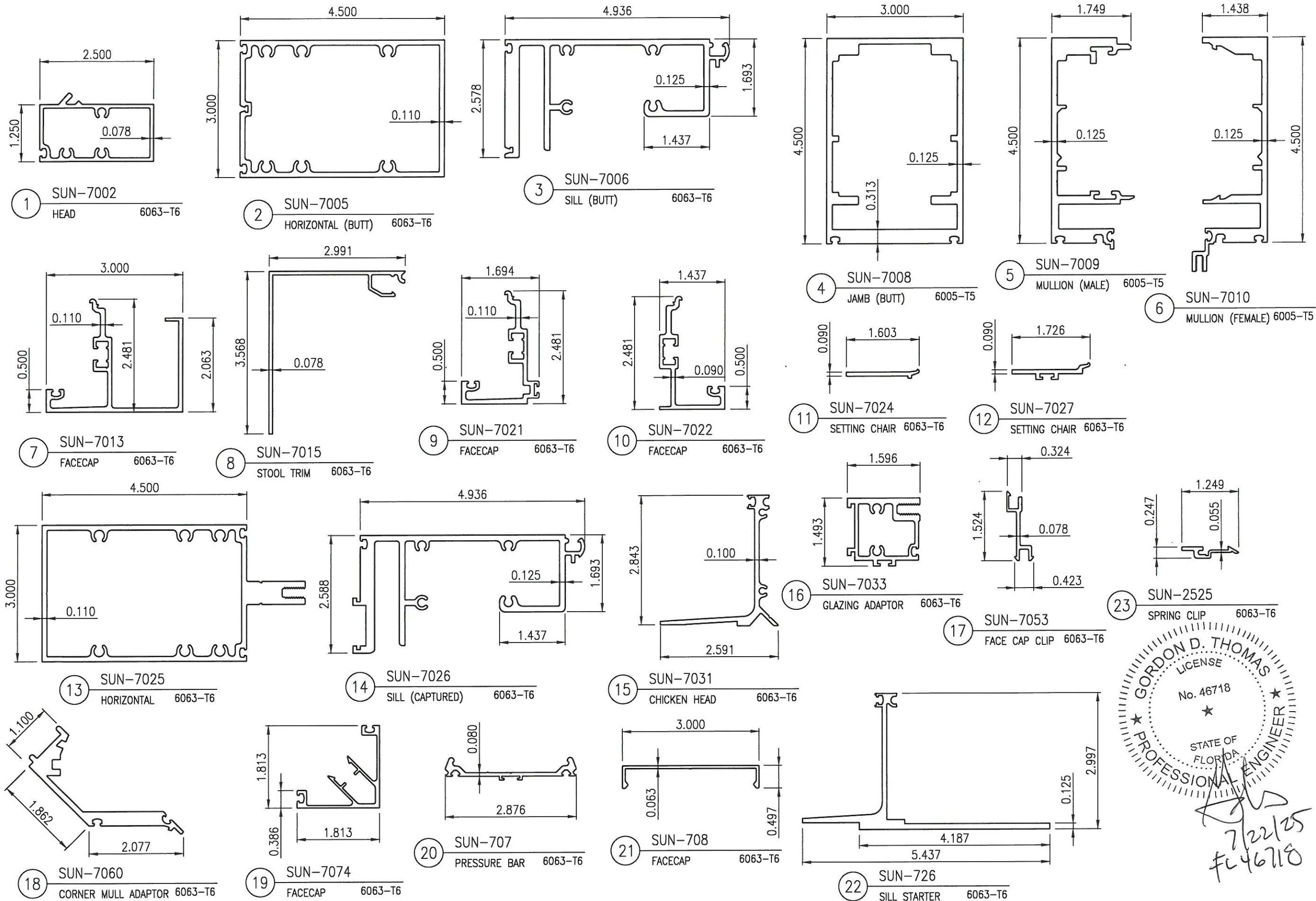
SCALE: AS INDICATED

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL25560.1

SHEET: 9 OF 12



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

7/22/25
FL 46718

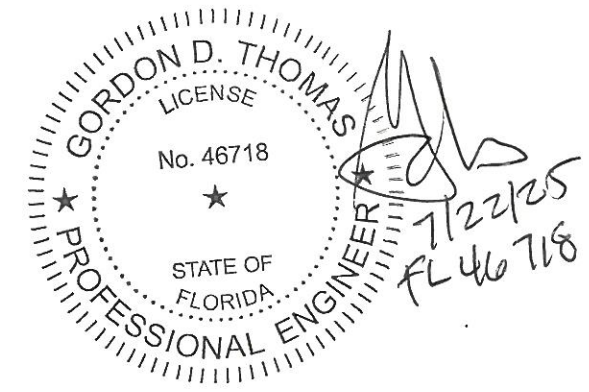
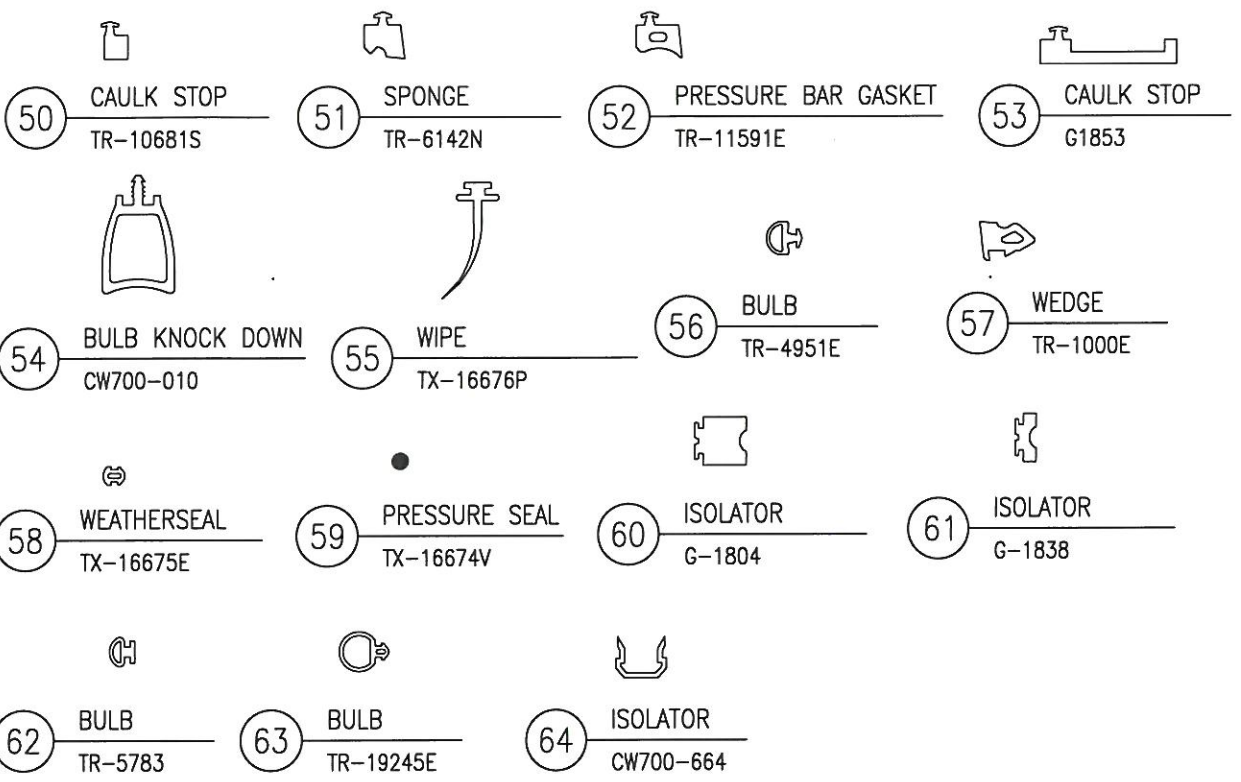
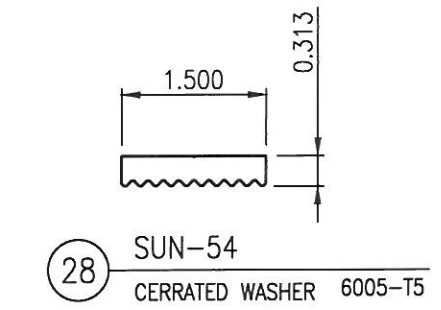
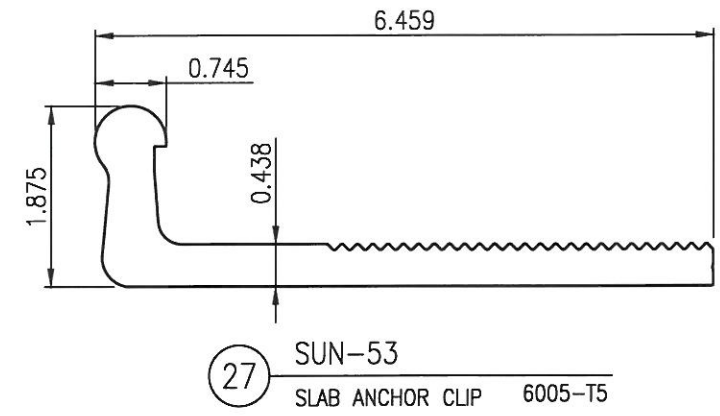
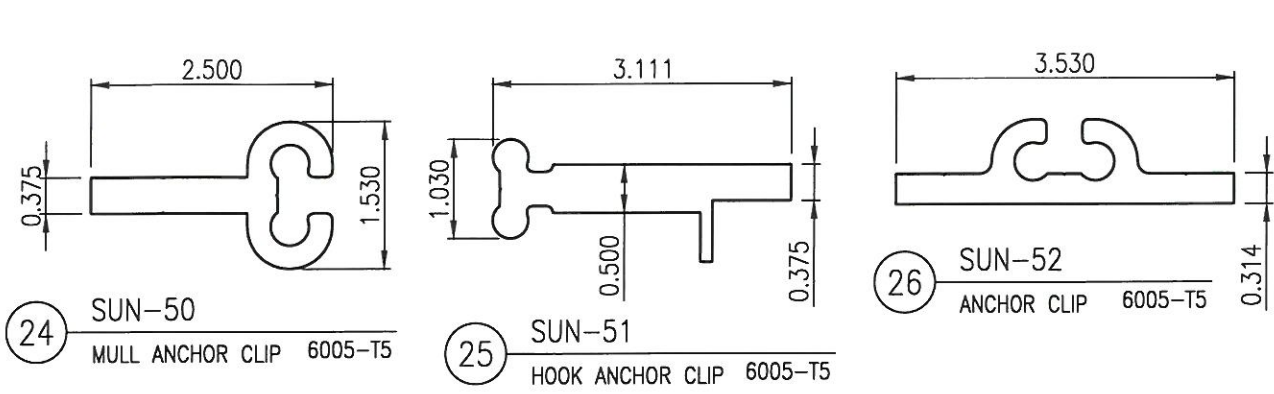
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PHONE: (813) 889-0718
FAX: (813) 886-0666

PRODUCT:
SERIES 700SG CURTAIN WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
COMPONENTS

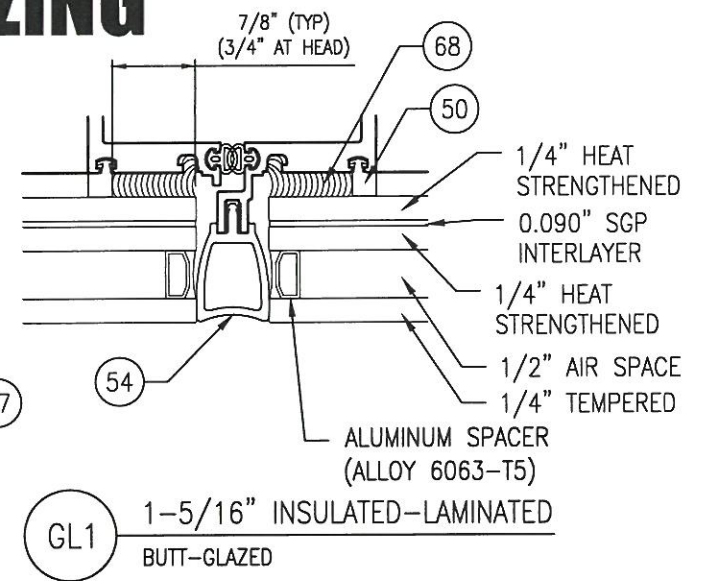
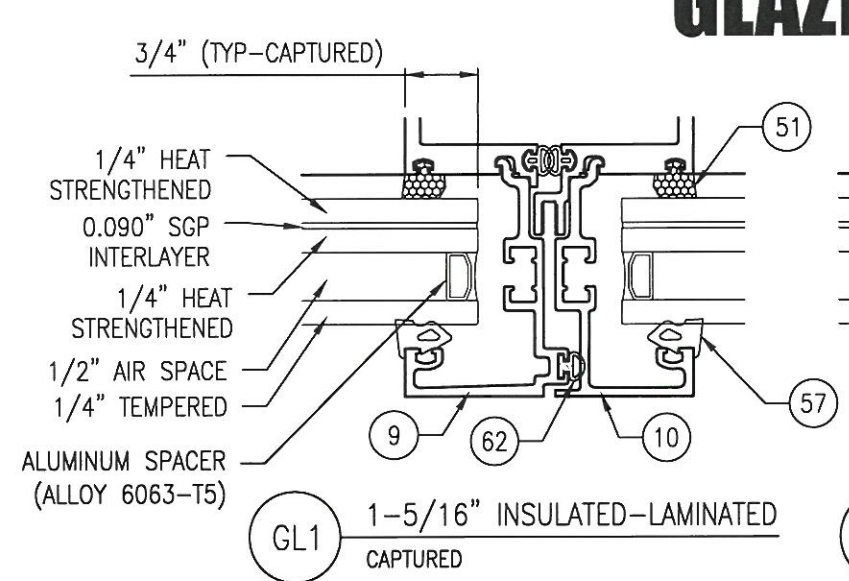
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			BY	DATE
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1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	

DATE: 12/7/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL25560.1
SHEET: 10 OF 12



SEE DETAILS FOR STRUCTURAL SILICONE
WIDTH AT SPECIFIC CONDITIONS.

GLAZING



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FAX: (813) 886-0666

PRODUCT:		SERIES 700SG CURTAIN WALL LARGE MISSILE IMPACT	
PART OR ASSEMBLY:		COMPONENTS AND GLAZING	
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.: FL25560.1			
SHEET: 11 OF 12			

