

SERIES 2500PW CAPTURED ALUMINUM CURTAINWALL

"LARGE MISSILE IMPACT"

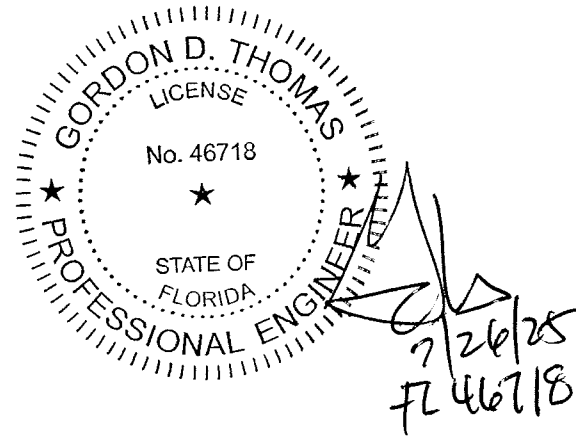
GENERAL NOTES:

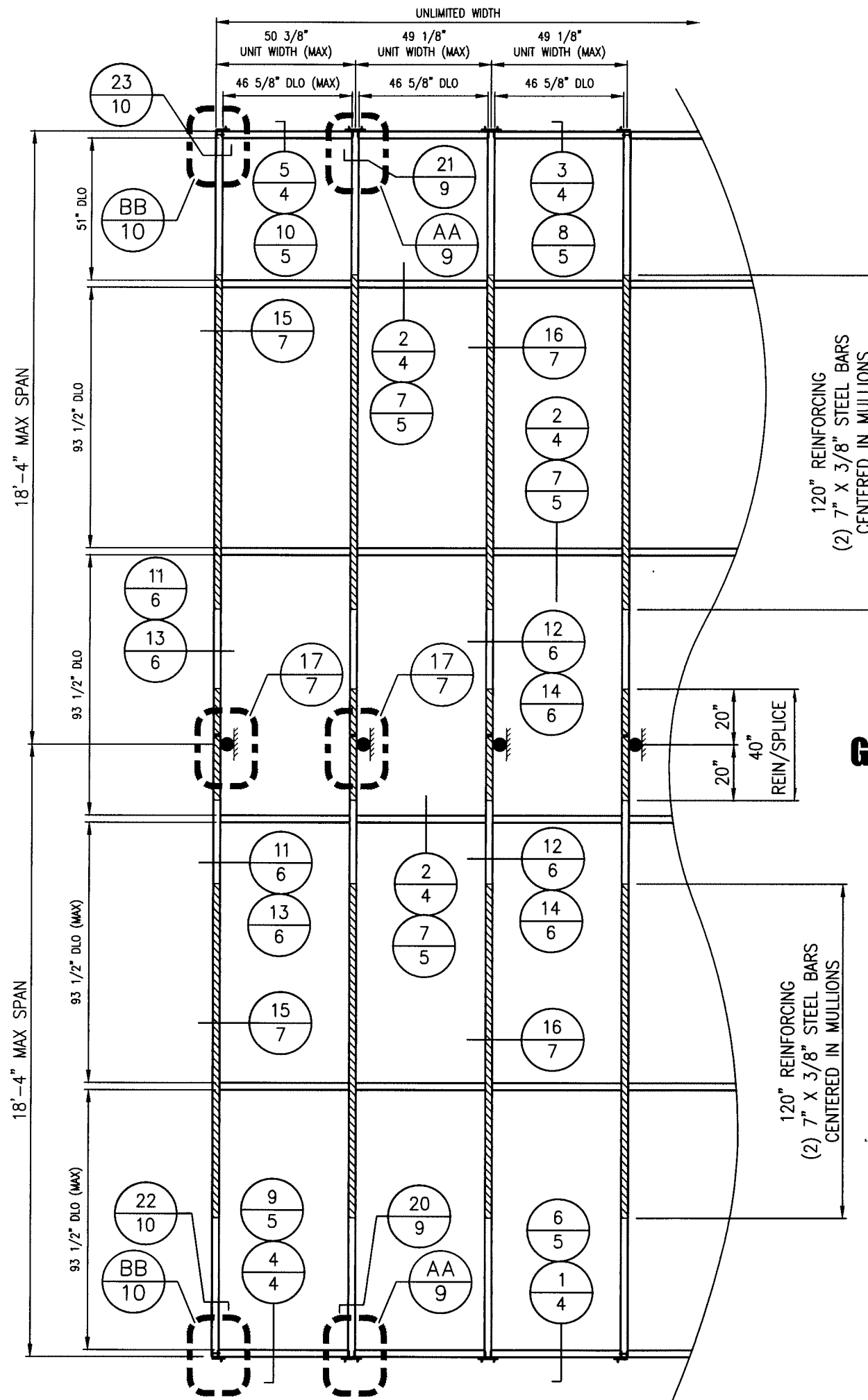
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in "HVHZ" this product 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. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
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".

SINGLE SPAN						
MAX UNIT HEIGHT	MAX UNIT WIDTH	REINFORCED	GLAZING TYPE	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
98.5"	49.125"	NO	G1; G2	46.625" X 93.50"	+115	-115
98.5"	49.125"	NO	G3	46.625" X 93.50"	+80	-80

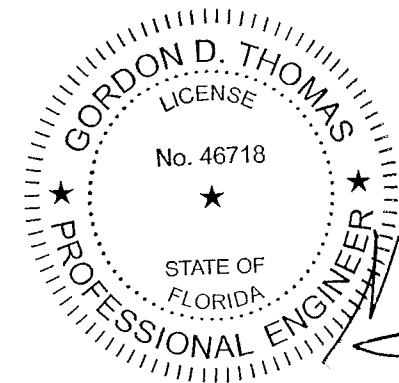
MULTIPLE SPAN						
MAX SPAN HEIGHT	MAX UNIT WIDTH	REINFORCED	GLAZING TYPE	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
18'-4"	49.125"	YES	G1; G2	46.625" X 93.50"	+115	-115
18'-4"	49.125"	YES	G3	46.625" X 93.50"	+80	-80

INDEX TO DRAWINGS	
SHEET #	DESCRIPTION
1	INDEX TO DRAWINGS, DESIGN PRESSURES AND GENERAL NOTES
2	MULTI-SPAN ELEVATION
3	SINGLE SPAN ELEVATION
4	HORIZONTAL DETAILS (9/16" GLAZING)
5	HORIZONTAL DETAILS (1-5/16" GLAZING)
6	VERTICAL DETAILS
7	REINFORCING AND STACK JOINT DETAILS
8	INTERMEDIATE ANCHORS
9	INTERMEDIATE VERTICAL HEAD AND SILL ANCHORS; ANCHOR SCHEDULE
10	JAMB VERTICAL HEAD AND SILL ANCHORS
11	COMPONENTS
12	BILL OF MATERIALS AND GLAZING TYPES

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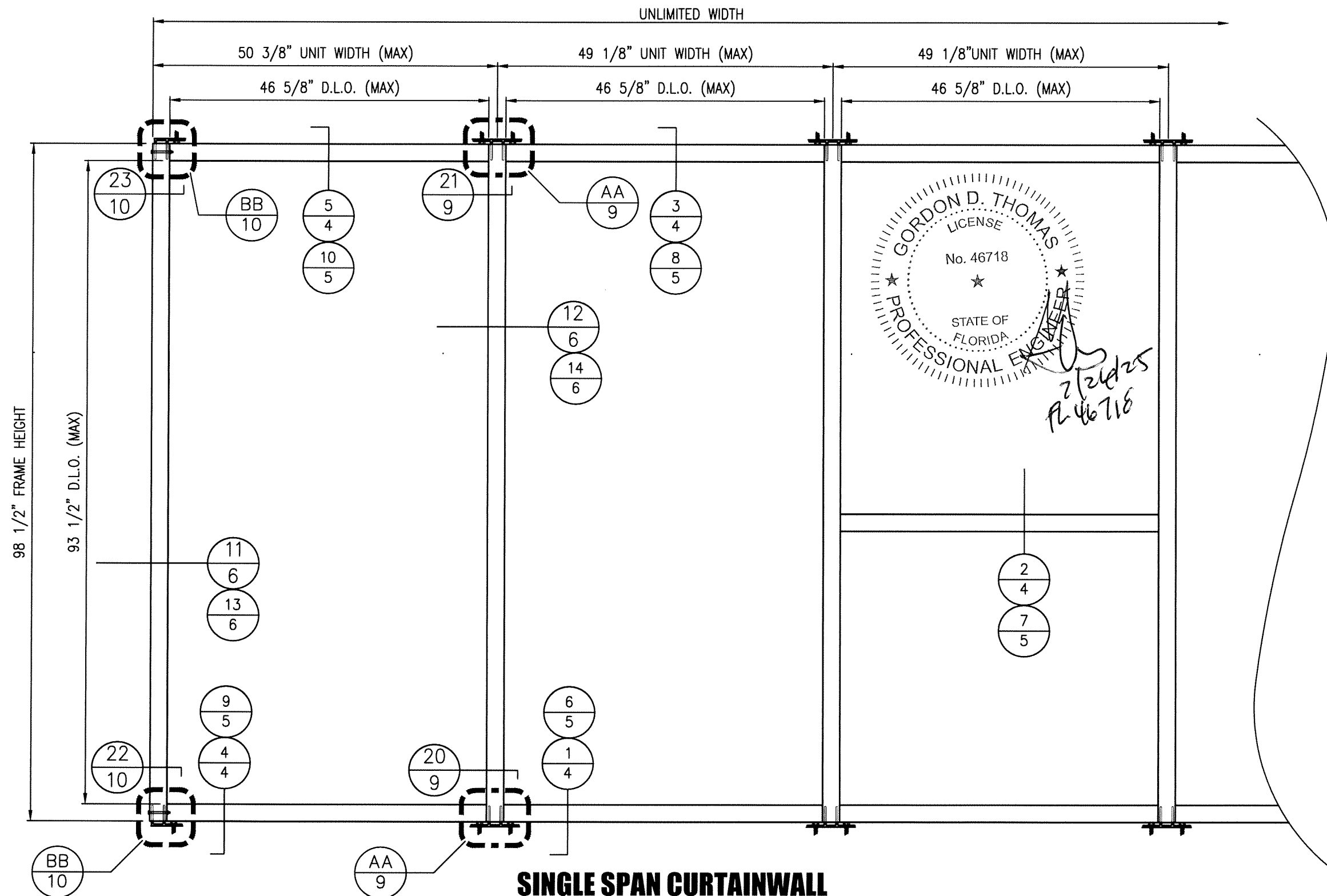


MULTI-SPAN CURTAINWALL
GLAZING TYPES G1 AND G2: ±115 PSF
GLAZING TYPE G3: ± 80 PSF



Handwritten signature and date:
 7/26/25
 FL 46718

 5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666													
PRODUCT: SUN 2500PW LARGE MISSILE IMPACT	PART OR ASSEMBLY: MULTI-SPAN ELEVATION												
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>7/14/25</td> <td>UPDATE TO 8TH ED. (2023) FBC</td> <td>ECV</td> </tr> <tr> <td>1</td> <td>9/21/20</td> <td>UPDATE TO 7TH ED. (2020) FBC</td> <td>JCB</td> </tr> </tbody> </table>	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
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: 08/22/18 SCALE: 1/4"=1'-0" DWG. BY: CO CHK BY: ECV DRAWING NO.: FL-21463.1 SHEET: 2 OF 12													



SINGLE SPAN CURTAINWALL
GLAZING TYPES G1 AND G2: ±115 PSF
GLAZING TYPE G3: ± 80 PSF

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

SUN METALS

PRODUCT:		SUN 2500PW LARGE MISSILE IMPACT	
PART OR ASSEMBLY:		SINGLE SPAN 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
REVISIONS			

DATE: 08/22/18

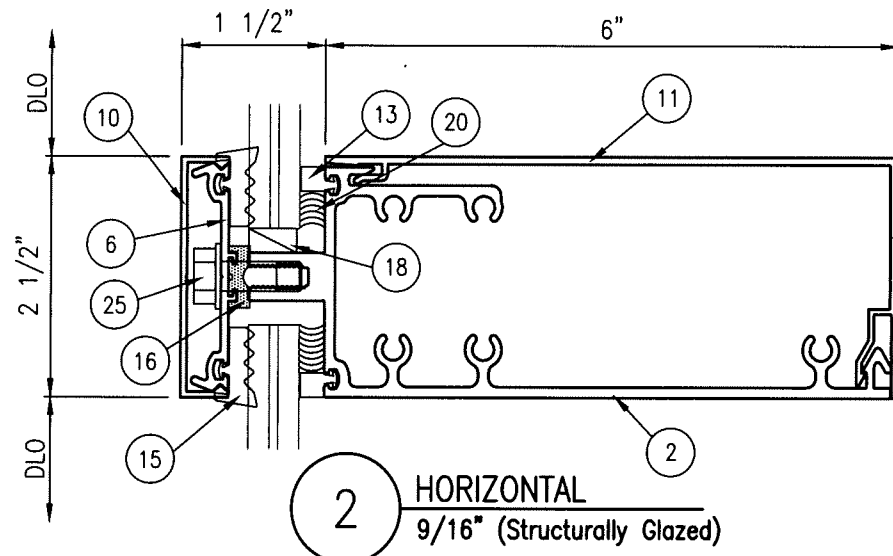
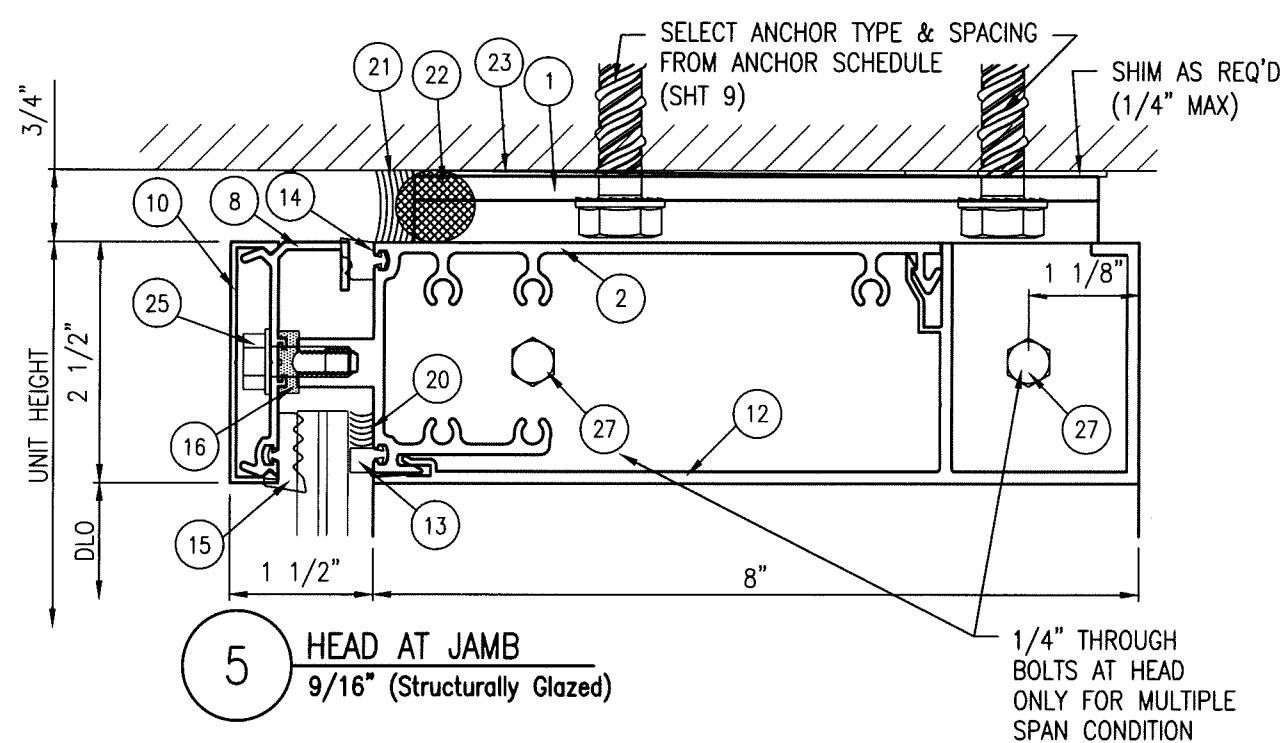
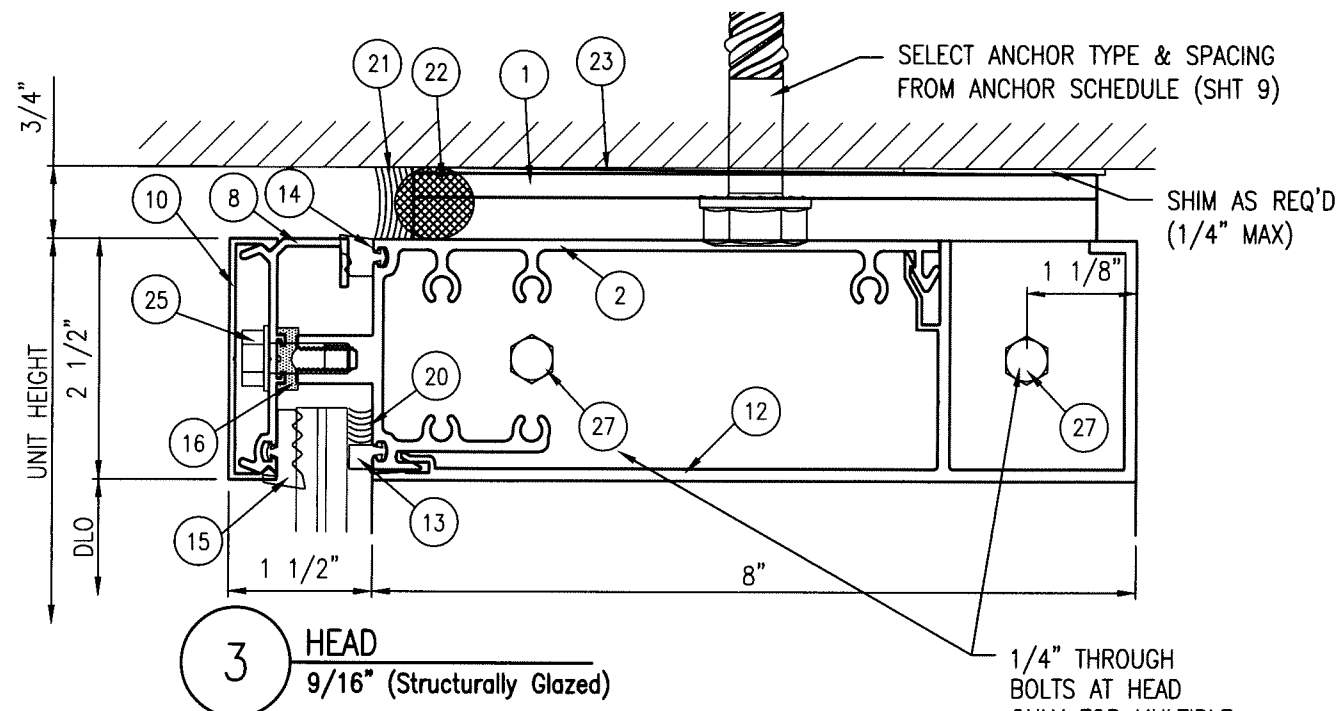
SCALE: 3/4"=1'-0"

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-21463.1

SHEET: **3** OF **12**



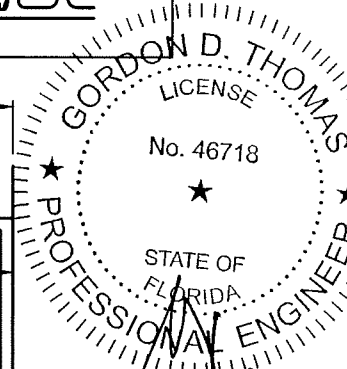
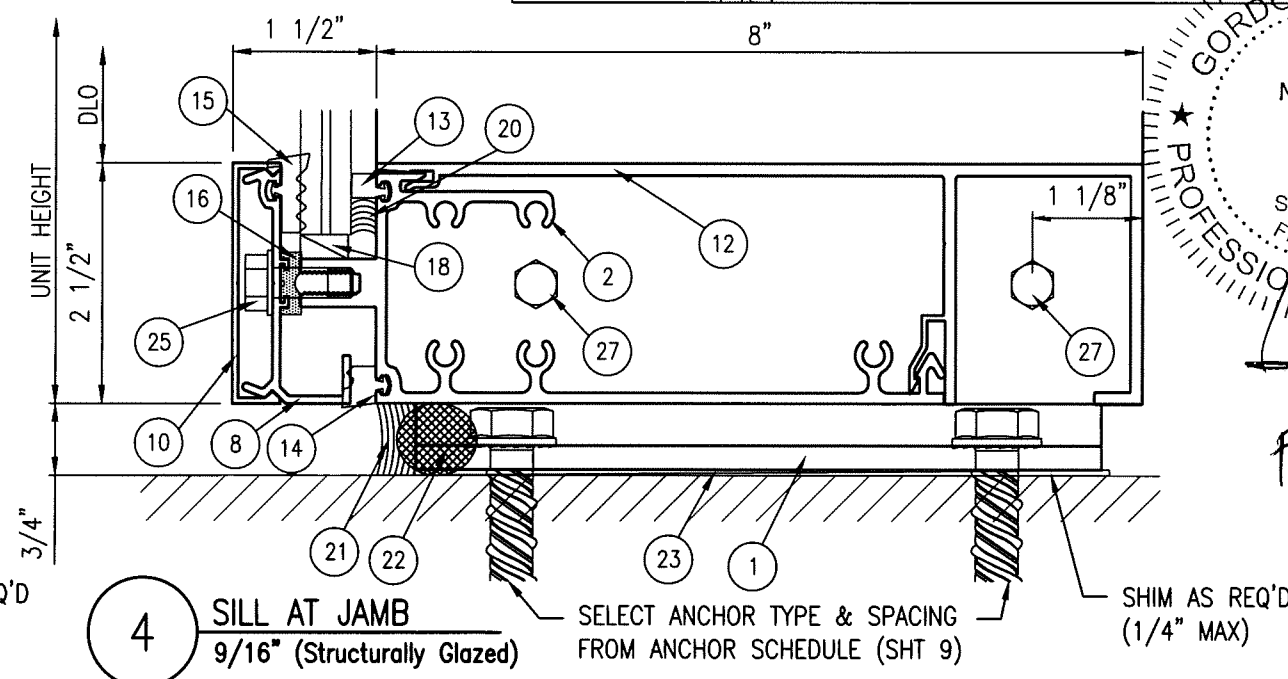
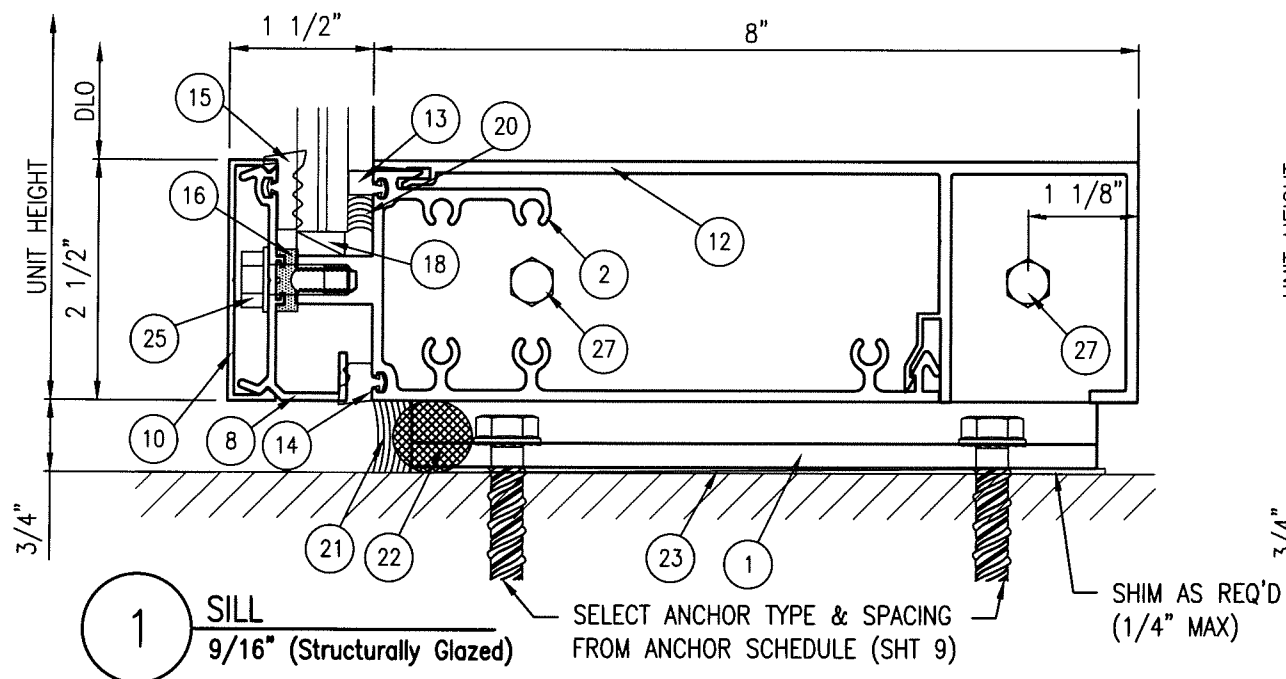
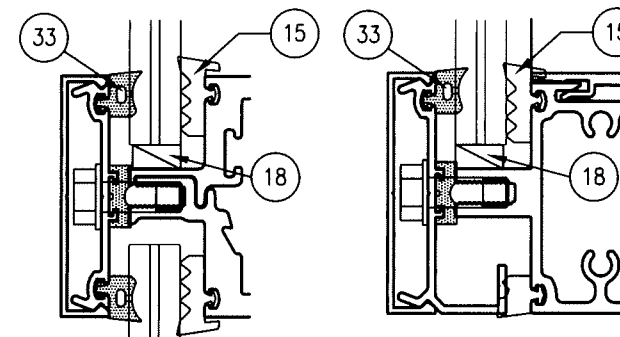
9/16" GLAZING

NOTES:

1. FRAME HEAD, SILL AND HORIZONTALS ARE ATTACHED TO JAMBS/MULLIONS AT EACH END WITH 1/4" X 1-1/2" FH SMS.
2. GLAZING TYPE G1 SHOWN IN DETAILS. GLAZING TYPE G3 PER SHEET 12 MAY BE PROVIDED FOR LOW LOAD CONDITIONS AS APPLICABLE PER CHART ON SHEET 1.
3. REFERENCE SHEET 12 FOR GLAZING DETAILS.

GLAZING TYPE G3 (LOW LOAD)

GLAZING TYPE G3 PER SHEET 12 MAY BE PROVIDED FOR LOW LOAD CONDITIONS AS APPLICABLE PER CHART ON SHEET 1.



PRODUCT:
SUN 2500PW
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
HORIZONTAL DETAILS
9/16" 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

DATE: 08/22/18

SCALE: HALF

DWG. BY: CO

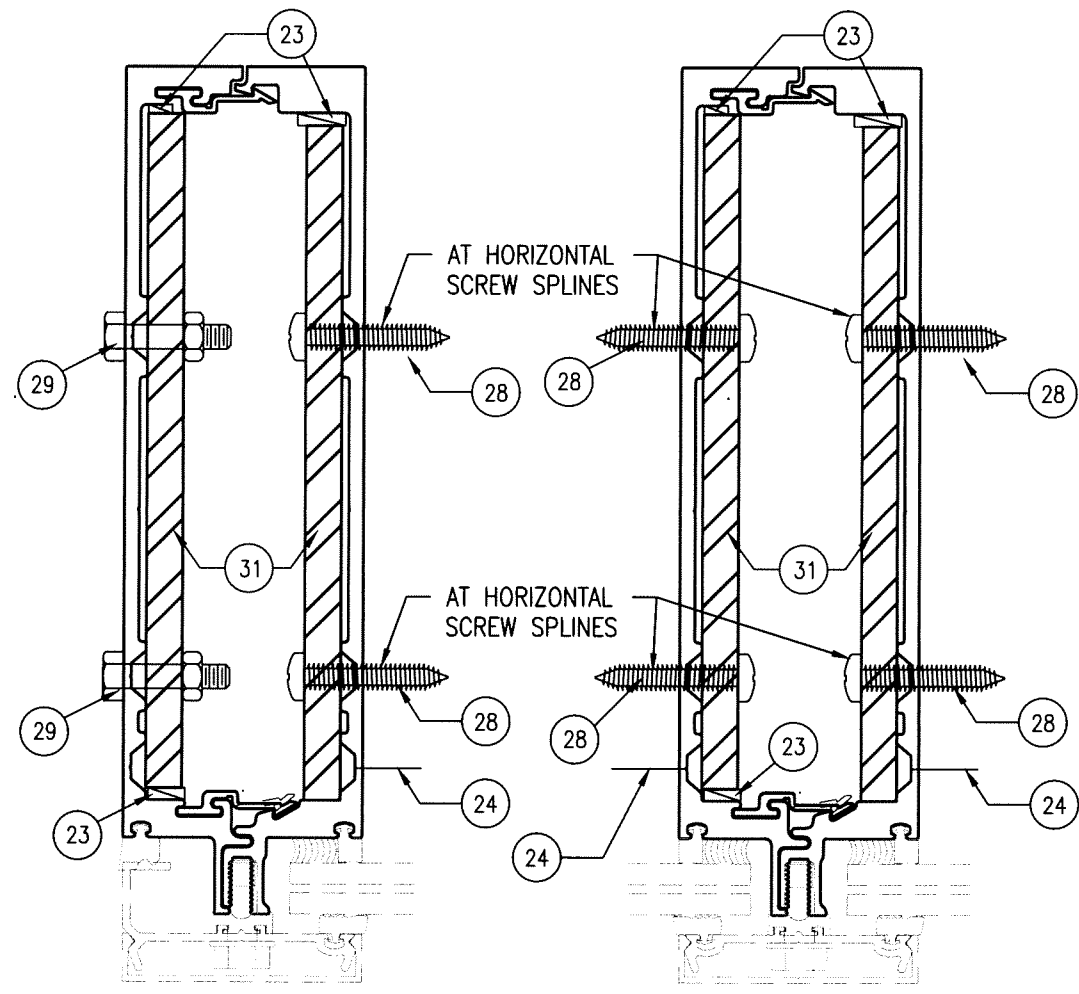
CHK BY: ECV

DRAWING NO.: FL-21463.1

SHEET: 4 OF 12

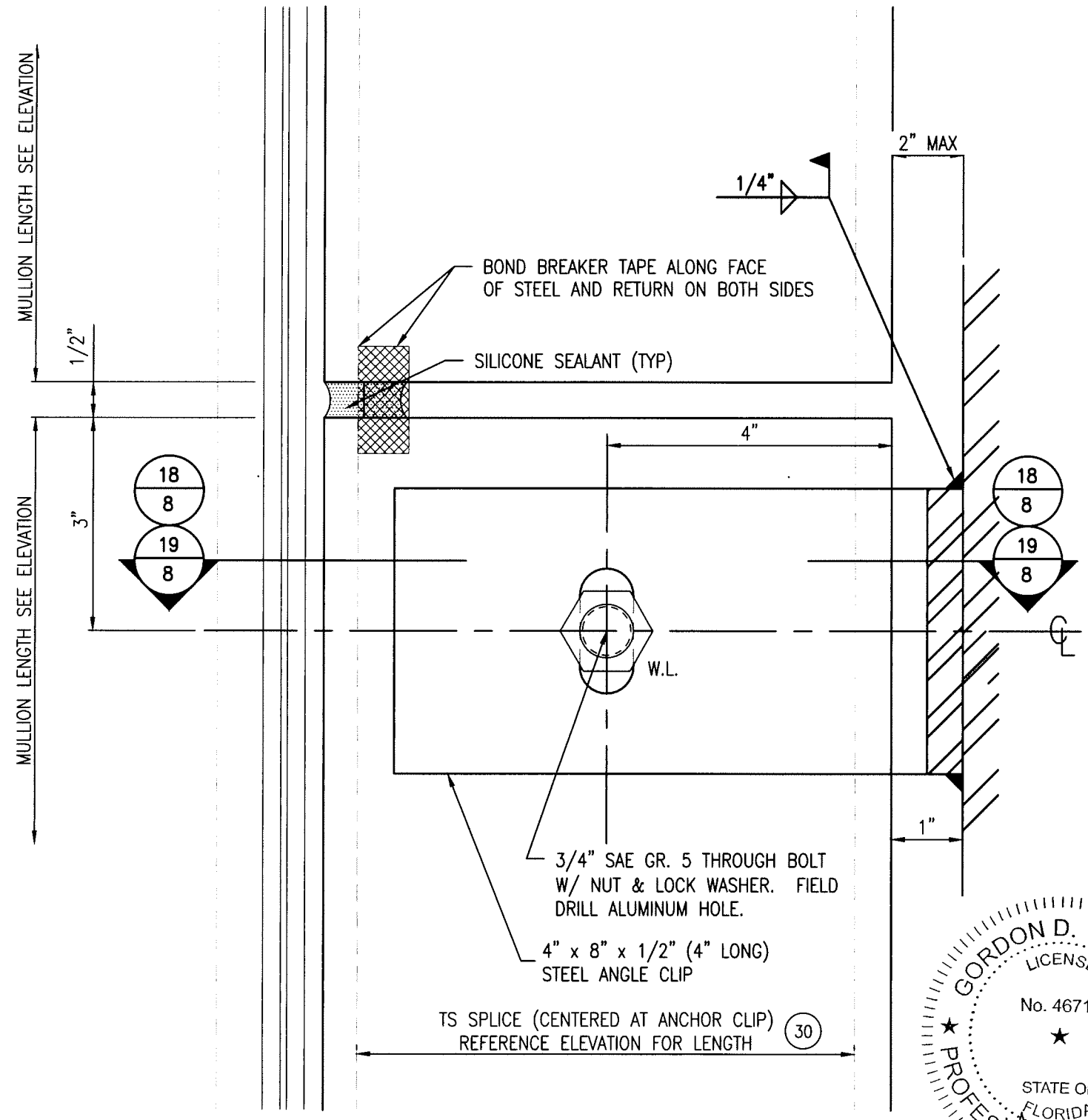
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
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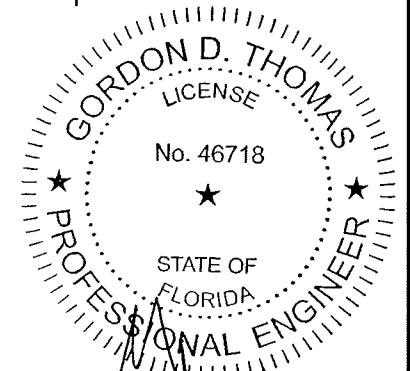


15 JAMB

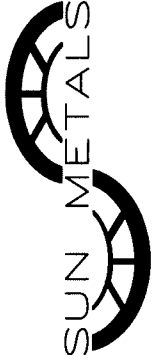
16 INTERMEDIATE VERTICAL



17 SECTION AT MIDPT ANCHOR



7/26/25
FL 46718



SUN METALS

5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
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PRODUCT: SUN 2500PW
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
REINFORCING DETAILS AND
SECTION AT STACK JOINT

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

DATE: 08/22/18

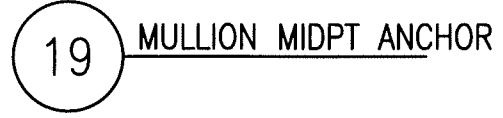
SCALE: HALF

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-21463.1

SHEET: **7** OF **12**

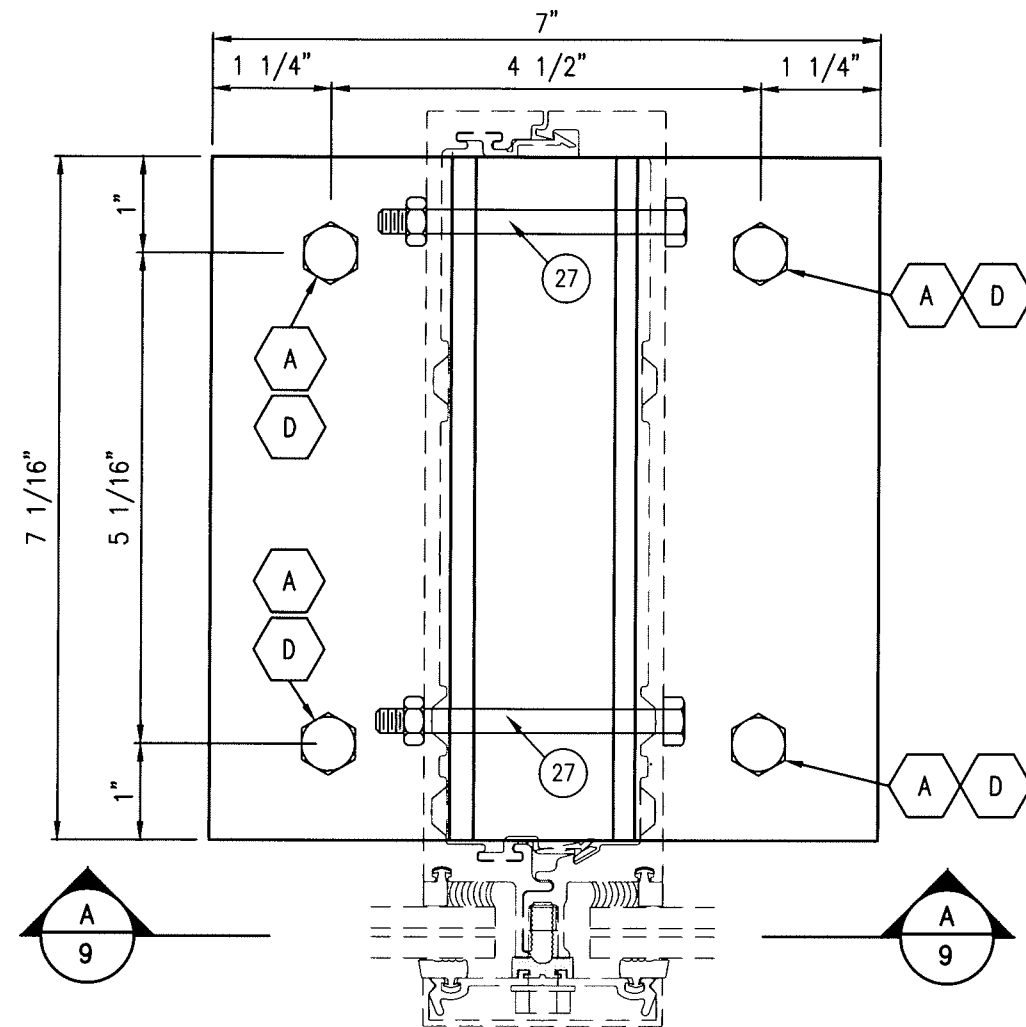
The logo for Sun Metals, featuring a stylized sun icon with rays and the text "SUN METALS" in a bold, sans-serif font.

OR ASSEMBLY:

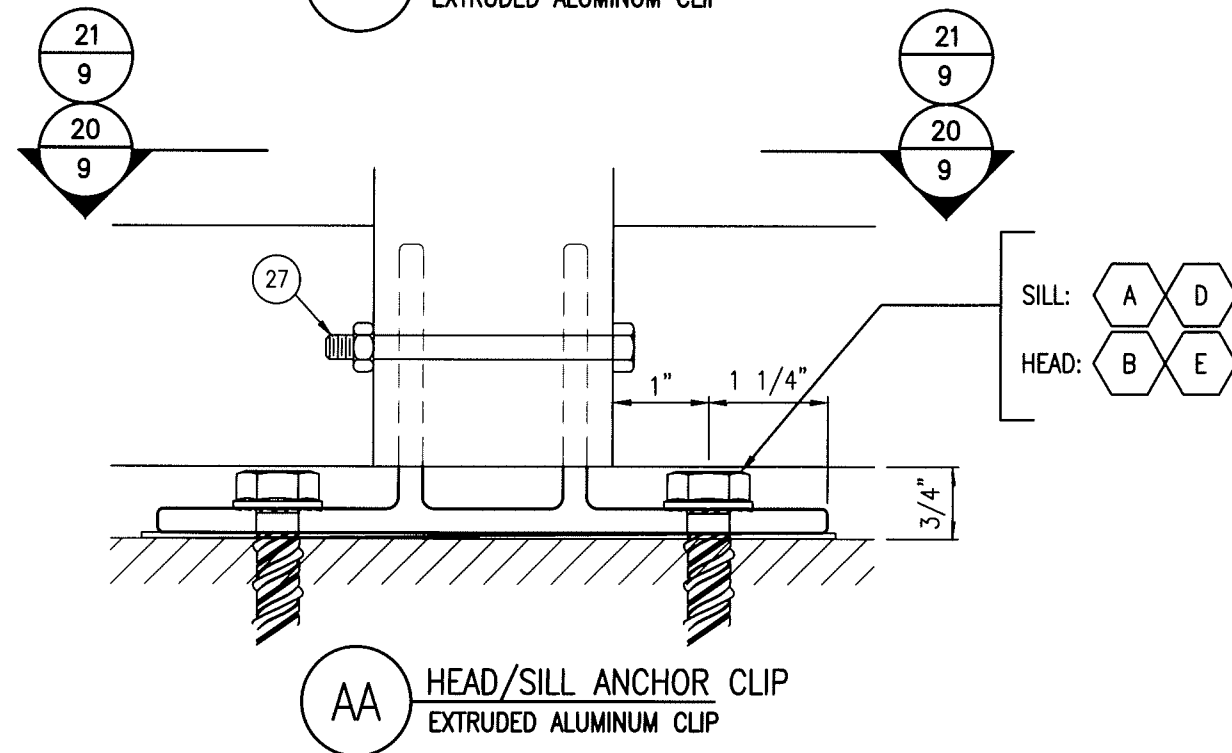
DETAILS

INTERMEDIATE ANCHORS

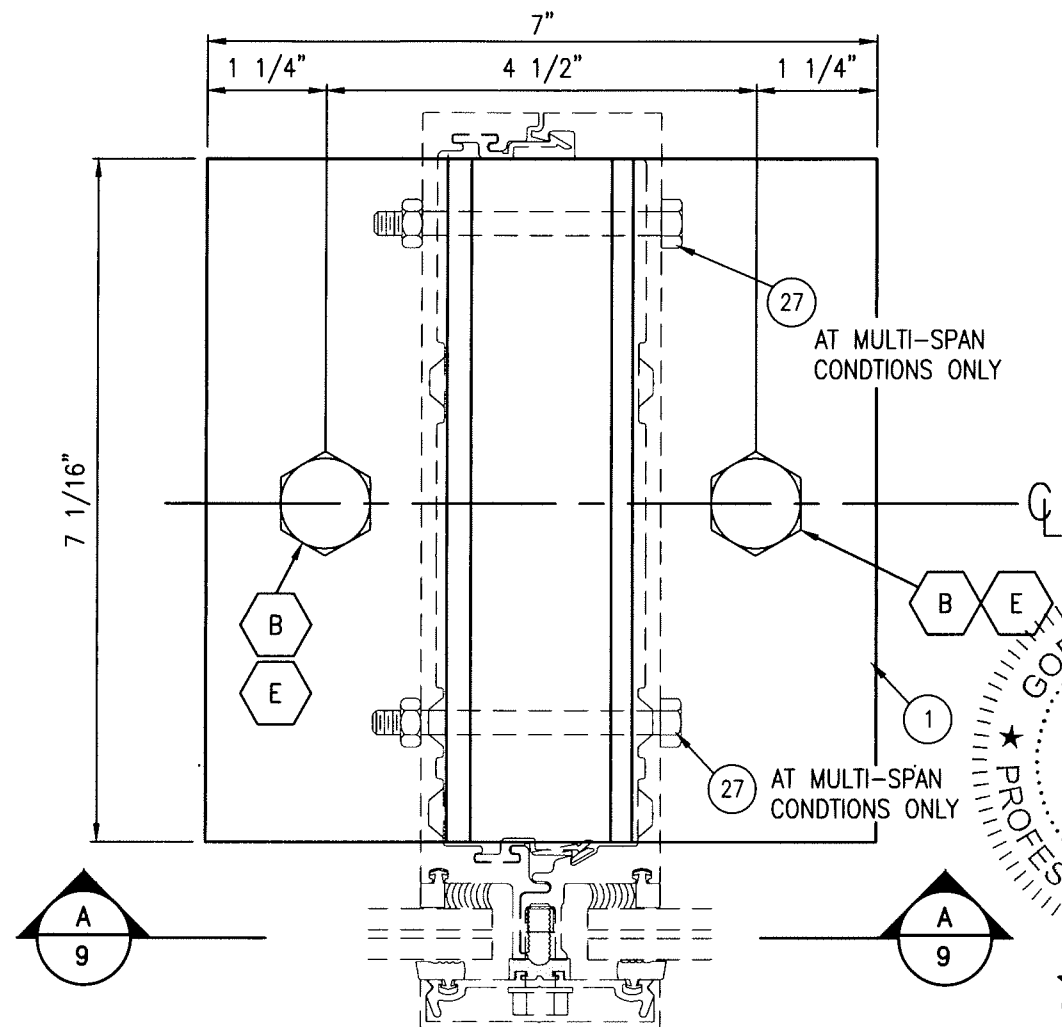
SHEET: 8 OF 12



20 SILL ANCHOR CLIP
EXTRUDED ALUMINUM CLIP



AA HEAD/SILL ANCHOR CLIP
EXTRUDED ALUMINUM CLIP



21 HEAD ANCHOR CLIP
EXTRUDED ALUMINUM CLIP

GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/26/25
FL46718

ANCHOR SCHEDULE		
PRIMARY HEAD AND SILL ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	3/8" Powers Wedge Bolt with 3-1/2" min embedment, 5" minimum edge distance. Concrete is 3,000 PSI minimum conforming to ACI 301.
	B	5/8" Powers Wedge Bolt with 6" min embedment. Concrete is 3,000 PSI minimum conforming to ACI 301.
	C	1/2" Powers Wedge Bolt with 4" min embedment. Concrete is 3,000 PSI minimum conforming to ACI 301.
STEEL	D	3/8" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer.
	E	5/8" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer.
	F	1/2" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer.

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SUN METALS

PRODUCT: SUN 2500PW
LARGE MISSILE IMPACT

PART OR ASSEMBLY: DETAILS AT INTERMEDIATE VERTICAL HEAD AND SILL ANCHOR CLIPS

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: 08/22/18

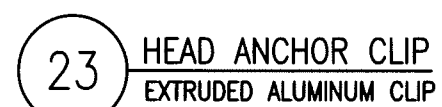
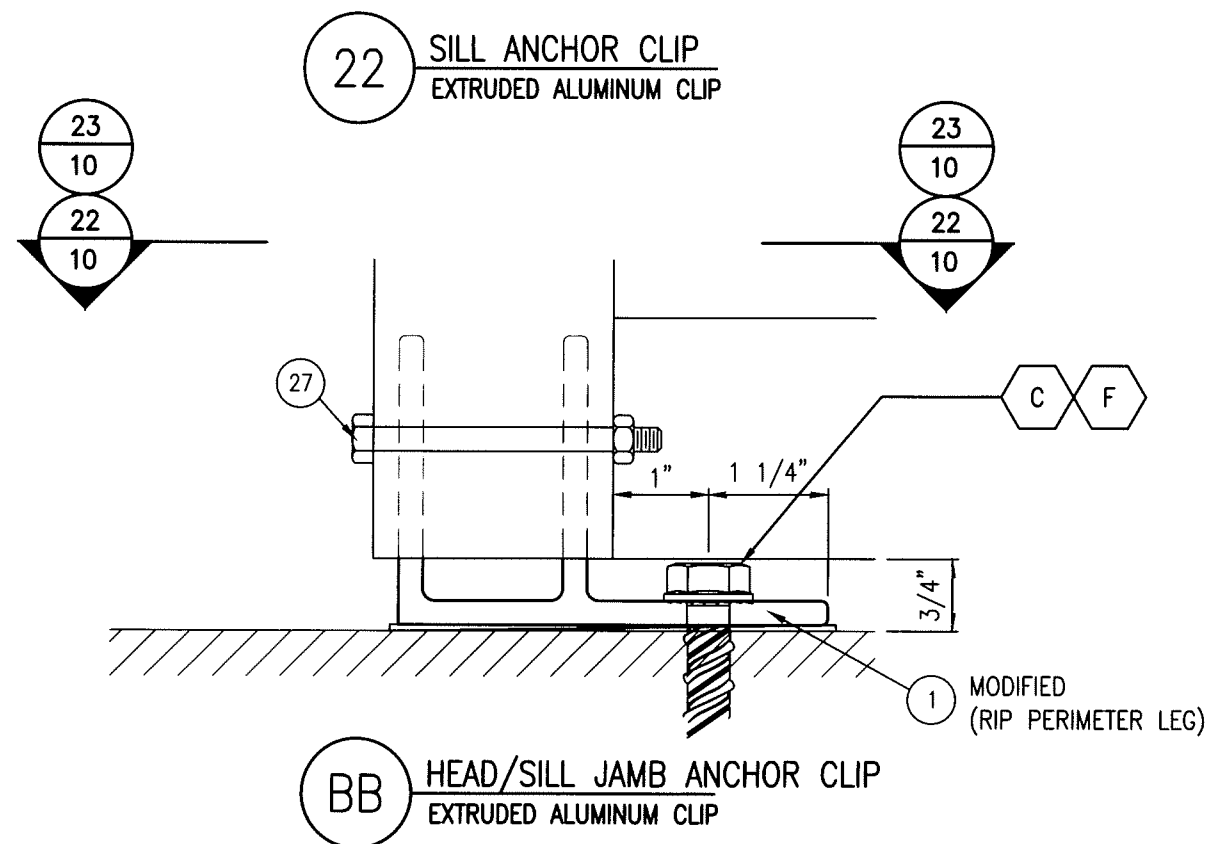
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DWG. BY: CO

CHK BY: ECV

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



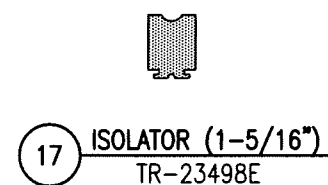
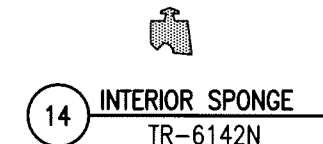
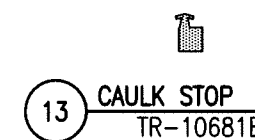
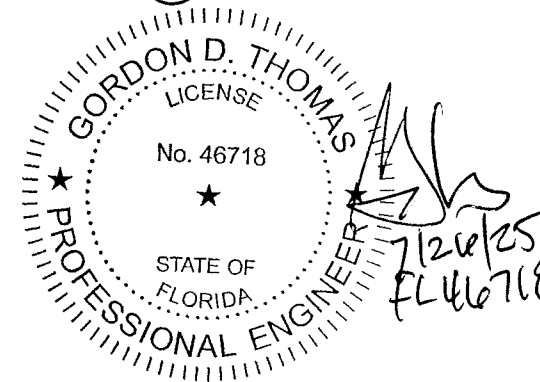
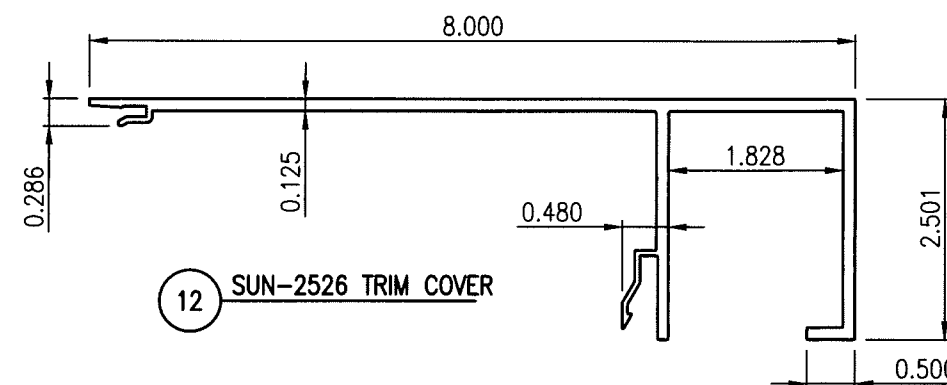
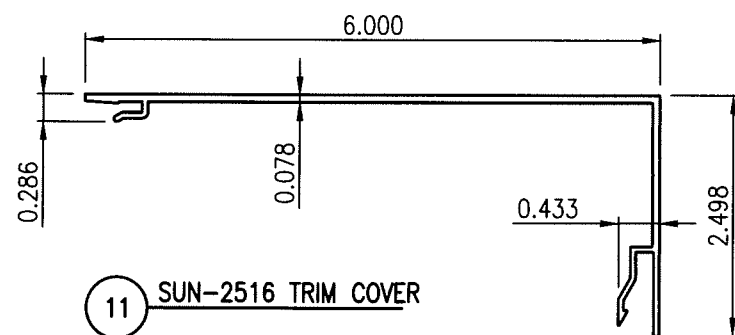
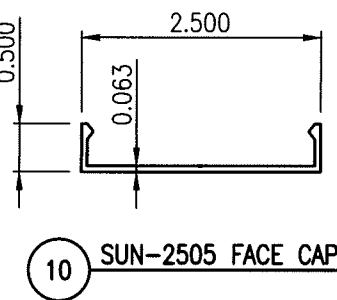
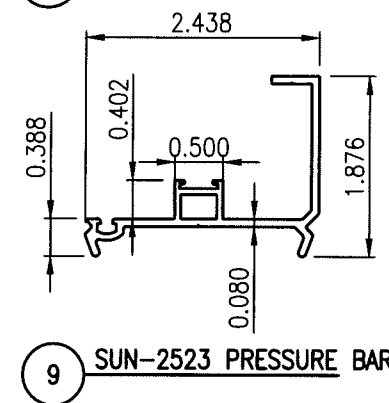
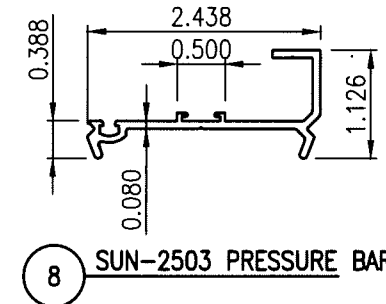
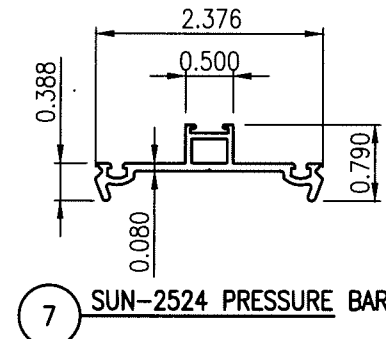
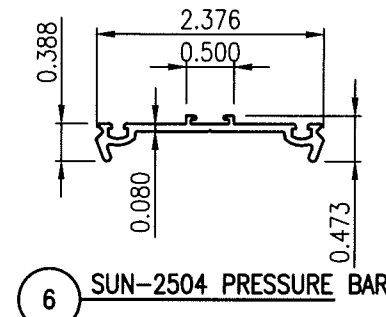
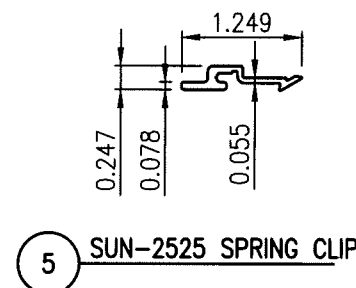
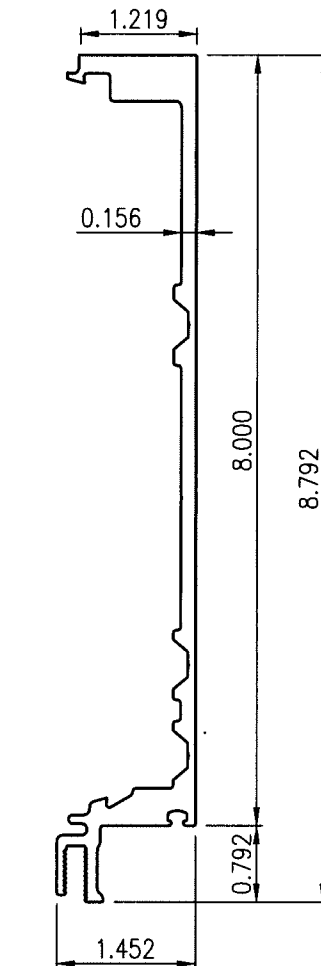
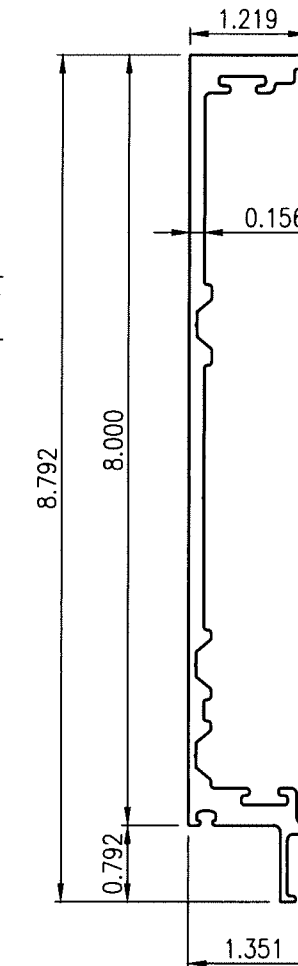
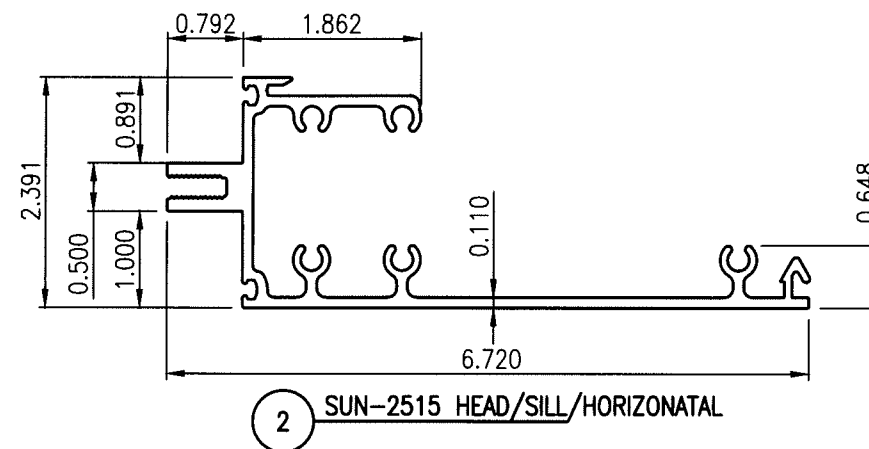
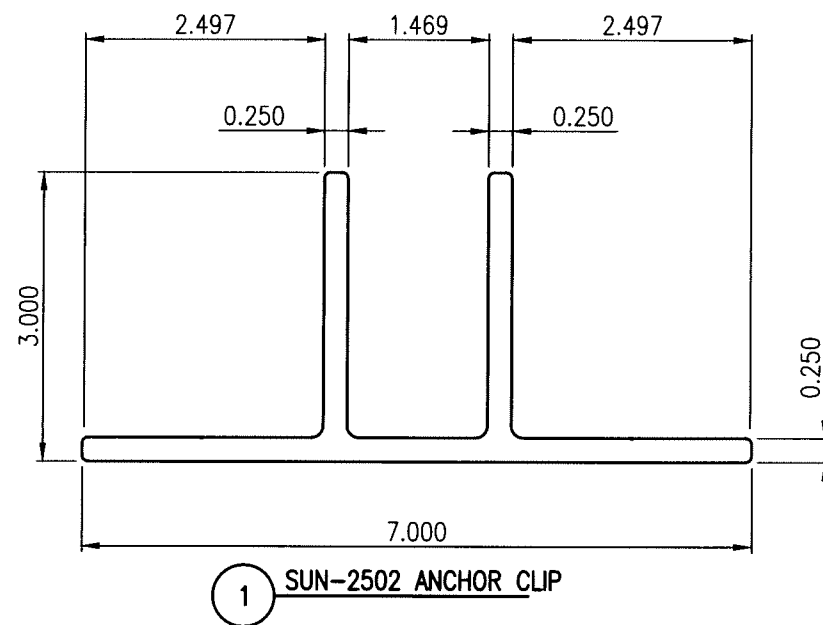
SUN METALS

PRODUCT: SUN 2500PW
LARGE MISSILE IMPACT

PART OR ASSEMBLY: DETAILS AT JAMB HEAD AND
SILL ANCHOR CLIPS

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

SHEET: **10** OF **12**



PRODUCT:
SUN 2500PW
LARGE MISSILE IMPACT

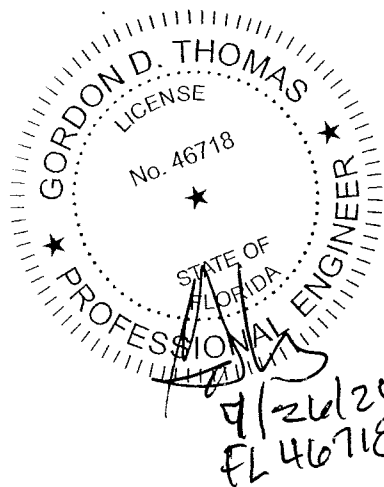
PART OR ASSEMBLY:
COMPONENTS

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

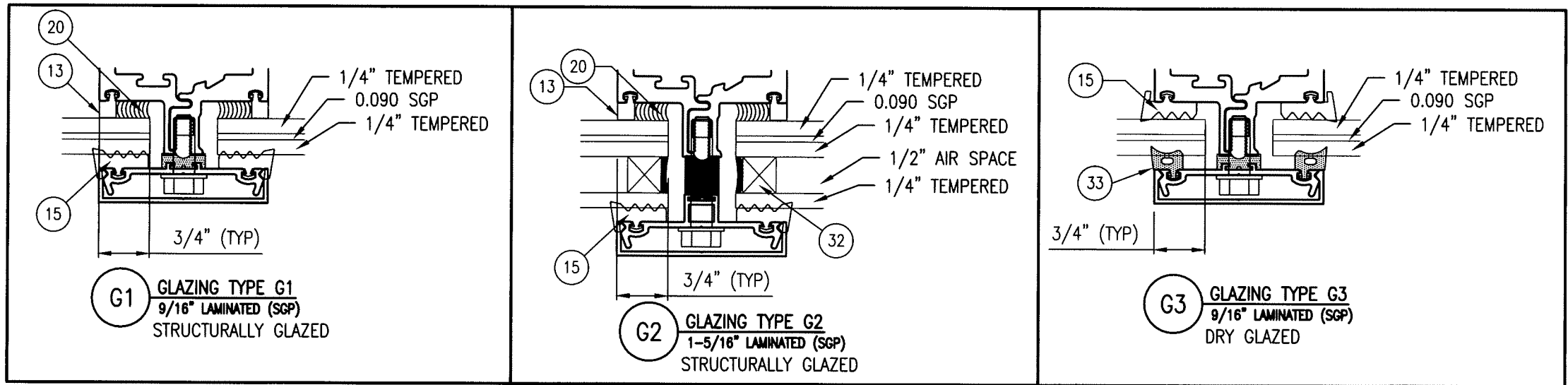
DATE: 08/22/18
SCALE: HALF
DWG. BY: CO
CHK BY: ECV
DRAWING NO.:
FL-21463.1
SHEET: 11 OF 12

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

SUN METALS



BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-2502	ANCHOR CLIP	6005-T5	SUN METALS	
2	SUN-2515	HEAD/ SILL/HORIZONTAL	6005-T5	SUN METALS	
3	SUN-2519	SPLIT MULLION	6005-T5	SUN METALS	
4	SUN-2520	SPLIT MULLION	6005-T5	SUN METALS	
5	SUN-2525	SPRING CLIP	6063-T6	SUN METALS	
6	SUN-2504	PRESSURE BAR (9/16", 1" GLAZING)	6063-T6	SUN METALS	
7	SUN-2524	PRESSURE BAR (1-5/16" GLAZING)	6063-T6	SUN METALS	
8	SUN-2503	JAMB PRESSURE BAR (9/16" GLAZING)	6063-T6	SUN METALS	
9	SUN-2523	JAMB PRESSURE BAR (1-5/16" GLAZING)	6063-T6	SUN METALS	
10	SUN-2505	FACE CAP	6063-T6	SUN METALS	
11	SUN-2516	HORIZONTAL TRIM COVER	6063-T6	SUN METALS	
12	SUN-2526	HEAD/SILL TRIM COVER	6063-T6	SUN METALS	
13	TR-10681E	CAULK STOP	EPDM	TREMCO	Durometer: 70+/-5
14	TR-6142N	INTERIOR SPONGE	NEOPRENE	TREMCO	Sponge
15	TR-15597E	PRESSURE BAR GASKET	EPDM	TREMCO	Durometer: 70+/-5
16	G-1838	ISOLATOR (9/16" GLAZING)	EPDM	GRP	Durometer: 75+/-5
17	TR-23498E	ISOLATOR (1-5/16" GLAZING)	EPDM	TREMCO	Durometer: 80+/-5
18		1/4" X 4" SETTING BLOCK	SILICONE	VARIES	
19		1/4" X 4" SETTING BLOCK	SILICONE	VARIES	
20	DOW 795	STRUCTURAL SILICONE	SILICONE	DOW CORNING	
21		PERIMETER WEATHERSEAL	SILICONE	DOW CORNING	DOW 790, 791, 795 OR APPROVED EQ.
22	SOF ROD	BACKER ROD		TREMCO	FRICTION FIT CLOSED CELL NON-GASSING
23		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
24		#14 x 1-1/2" FH S/S FRAME ASSY SCREWS	18-8 SS	VARIES	
25		5/16" X 3/4" F-POINT PRESSURE BAR SCREW	18-8 SS	VARIES	
26		5/16" X 1-1/2" F-POINT PRESSURE BAR SCREW	18-8 SS	VARIES	
27		1/4" X 3" S/S BOLTS WITH NUTS AND LOCK WASHER	18-8 SS	VARIES	
28		1/4" X 2" S/S PH SMS	18-8 SS	VARIES	
29		1/4" X 1-1/4" S/S BOLTS WITH NUT AND LOCK WASHER	18-8 SS	VARIES	
30		TS7"x2"x1/4" STEEL SPLICE	GR C	VARIES	
31		7"x3/8" STEEL BAR REINFORCING	A36	VARIES	
32		ALUMINUM SPACER	6063-T5	VARIES	
33	TR-11591E	PRESSURE BAR GASKET	EPDM	TREMCO	Durometer: 70+/-5



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PART OR ASSEMBLY:
BILL OF MATERIALS AND
GLAZING TYPES

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

DATE: 08/22/18

SCALE: HALF

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-21463.1

SHEET: 12 OF 12