

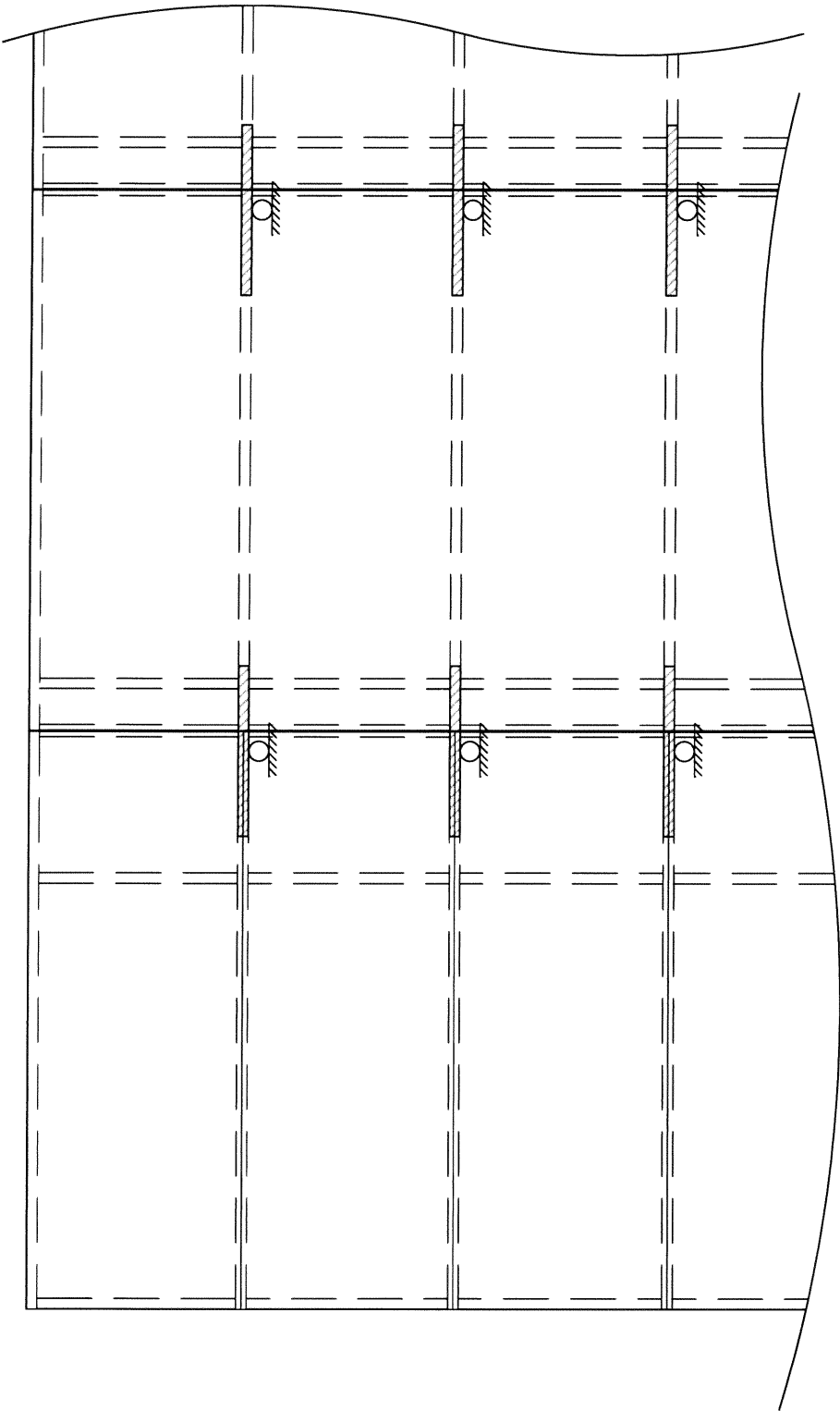
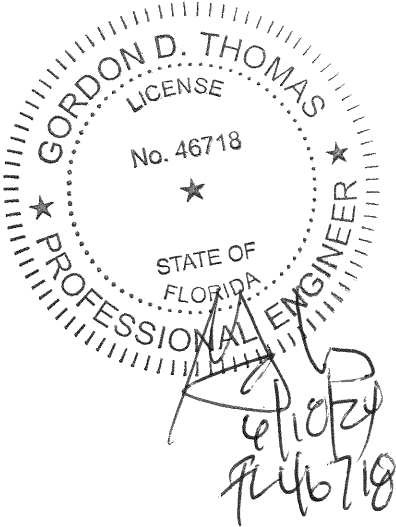
SERIES 1050WW MULTI-SPAN
ALUMINUM WINDOW WALL

"SMALL MISSILE IMPACT"

GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) 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", for installation above 30 feet above grade, this product complies with Section 1626 of the Florida Building Code as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must 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, for installations above 30 feet above grade this product complies with Section 1609.1.2 of the 2023 FBC as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the Florida Building Code.
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".
8. Aluminum components including fasteners, shall meet the requirements of FBC Section 2003.

INDEX TO DRAWINGS	
SHEET #	DESCRIPTION
1	GENERAL NOTES, ELEVATION AND DESIGN PRESSURES
2	ELEVATION (+/- 100 PSF)
3	ELEVATION (+/- 190 PSF)
4	DETAILS: VERTICALS (1-5/16" GLAZING)
5	DETAILS: SILL AND HORIZONTALS (1-5/16" GLAZING)
6	DETAILS: STACK JOINT AND HEAD (1-5/16" GLAZING)
7	DETAILS: VERTICALS (9/16" GLAZING)
8	DETAILS: SILL AND HORIZONTALS (9/16" GLAZING)
9	DETAILS: STACK JOINT AND HEAD (9/16" GLAZING)
10	ANCHOR SCHEDULE
11	COMPONENTS
12	BILL OF MATERIALS AND GLAZING



1050WW CURTAIN WALL DESIGN PRESSURE TABLE						
MAX UNIT HEIGHT	MAX UNIT WIDTH	GLAZING TYPE	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)		IMPACT RATING
				POSITIVE	NEGATIVE	
162 13/16"	60"	G1, G2	57" X 133"	+100	-100	SMALL MISSILE IMPACT
162 13/16"	60"	G1H, G2H	57" X 133"	+190	-190	SMALL MISSILE IMPACT

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

SUN METALS

PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

PART OR ASSEMBLY:
GENERAL NOTES, ELEVATION
AND DESIGN PRESSURES

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24

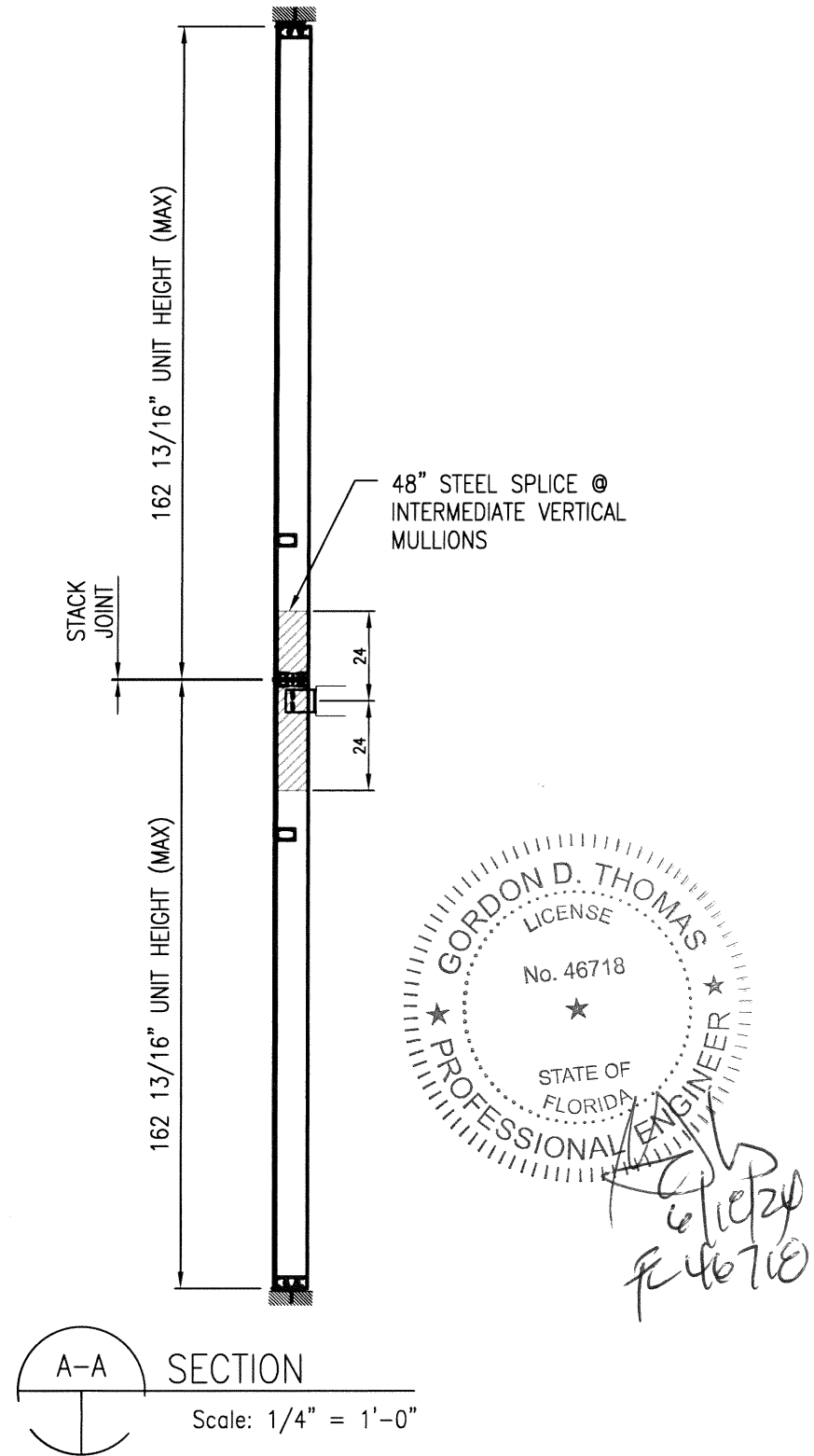
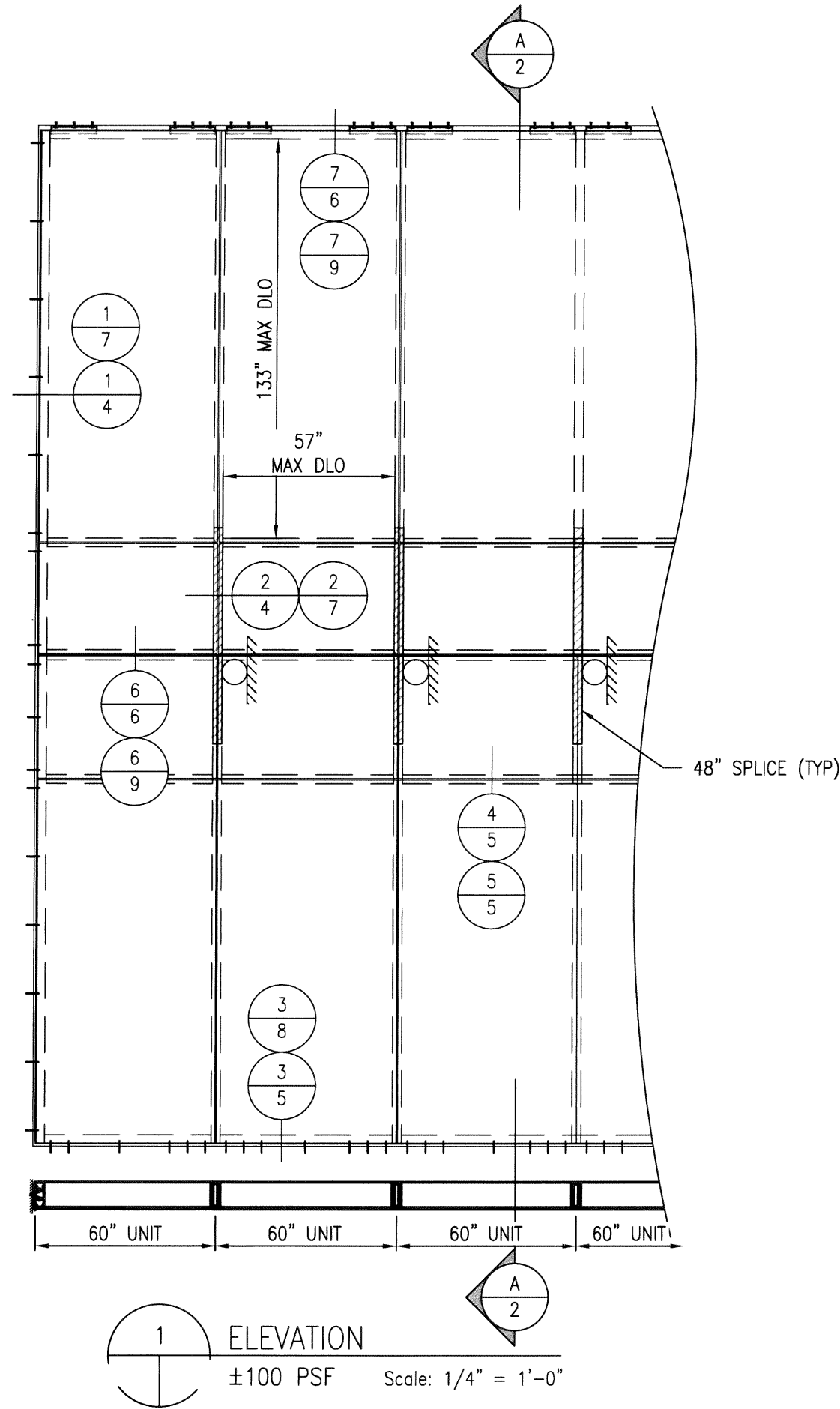
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DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL21123.10

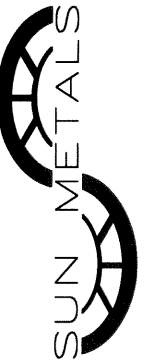
SHEET: 1 OF 12



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

[Handwritten signature and date 5/20/24]

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PRODUCT:
 SERIES 1050WW MULTI-SPAN
 CURTAIN WALL

PART OR ASSEMBLY:
 ELEVATION
 ±100 PSF

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24

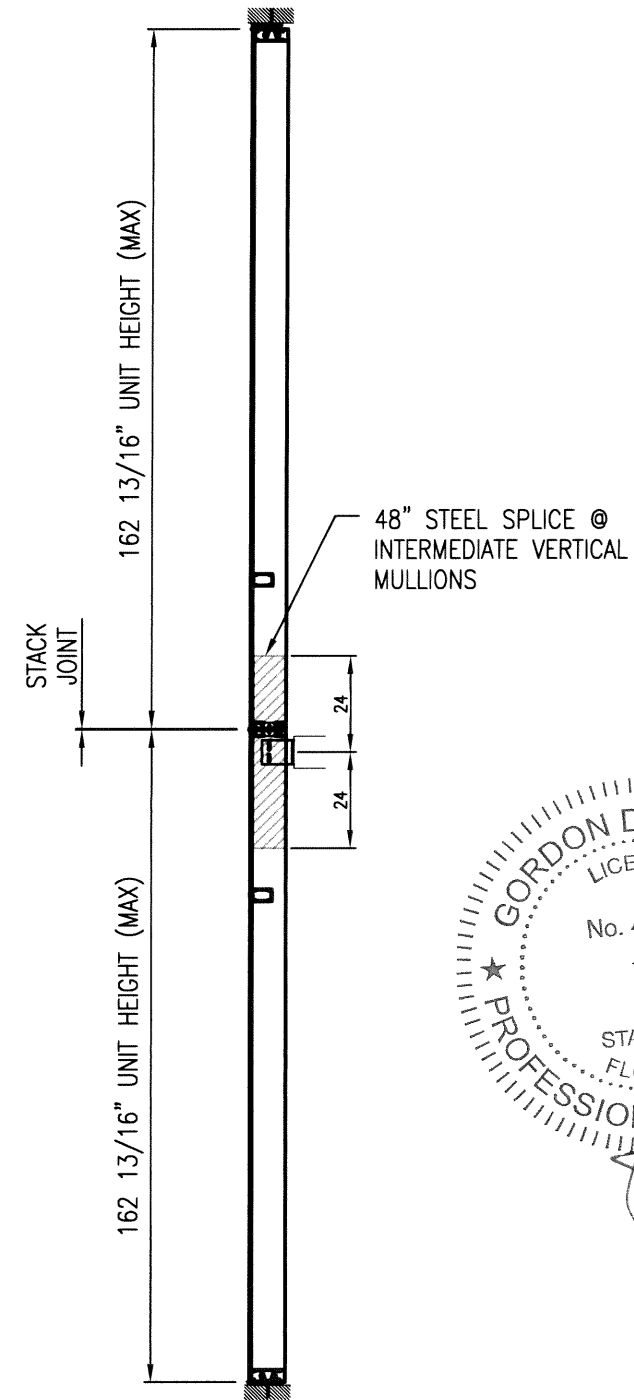
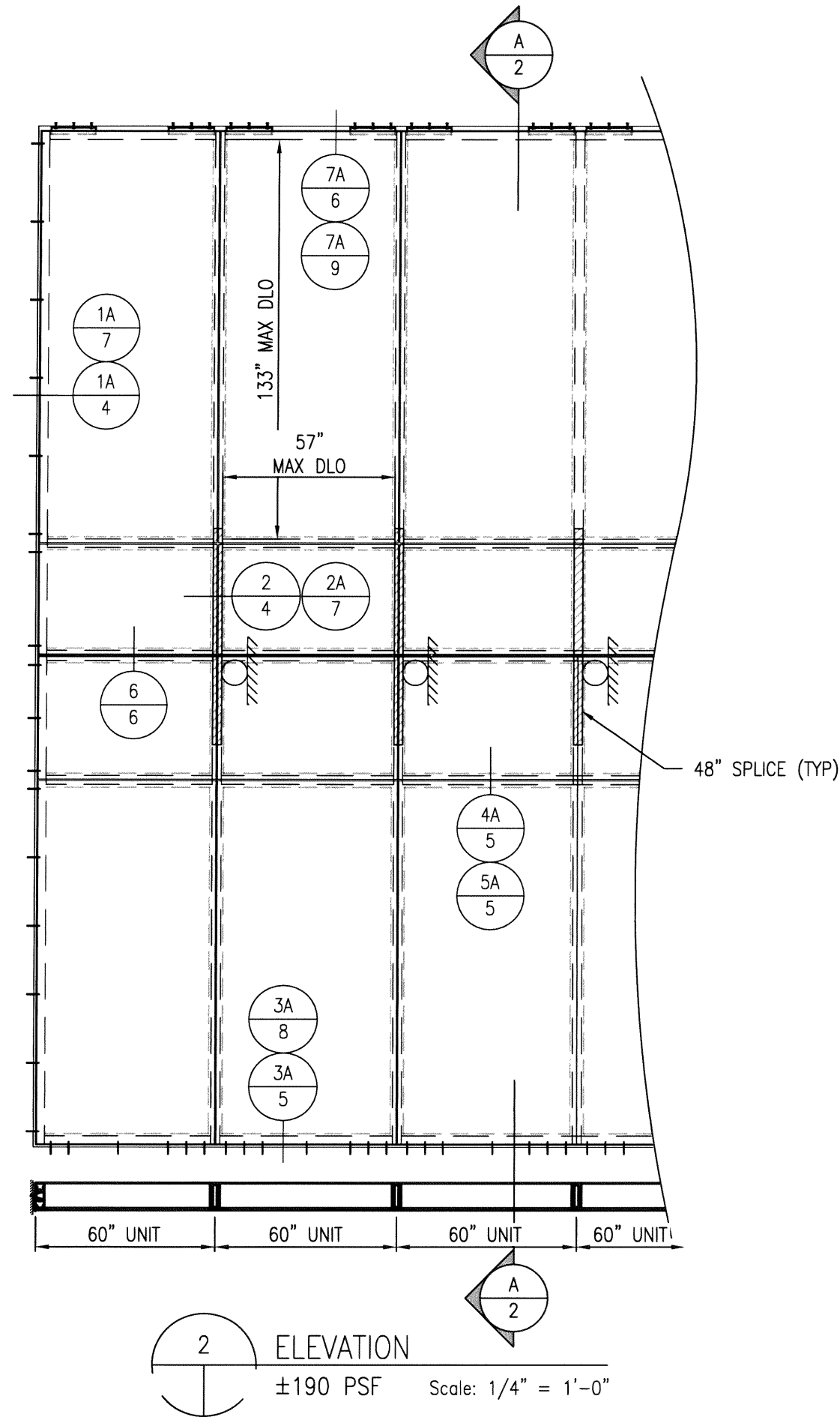
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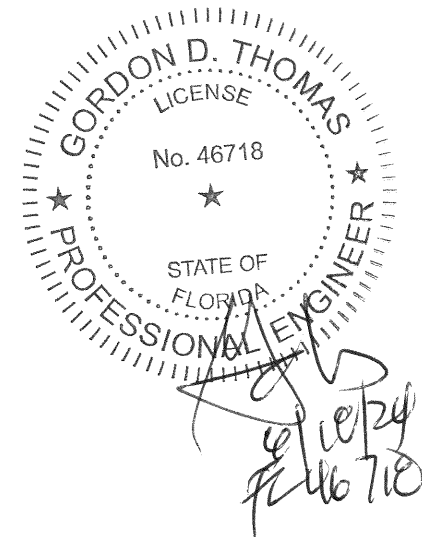
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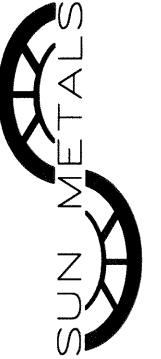
SHEET: **2** OF **12**



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



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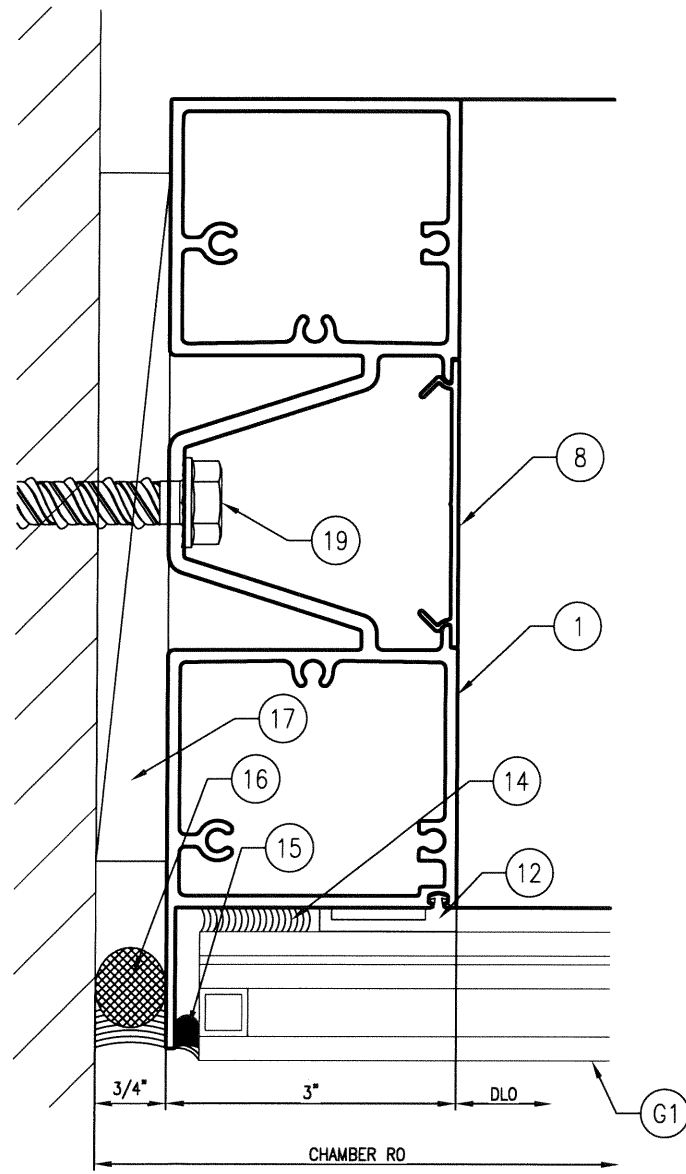


PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

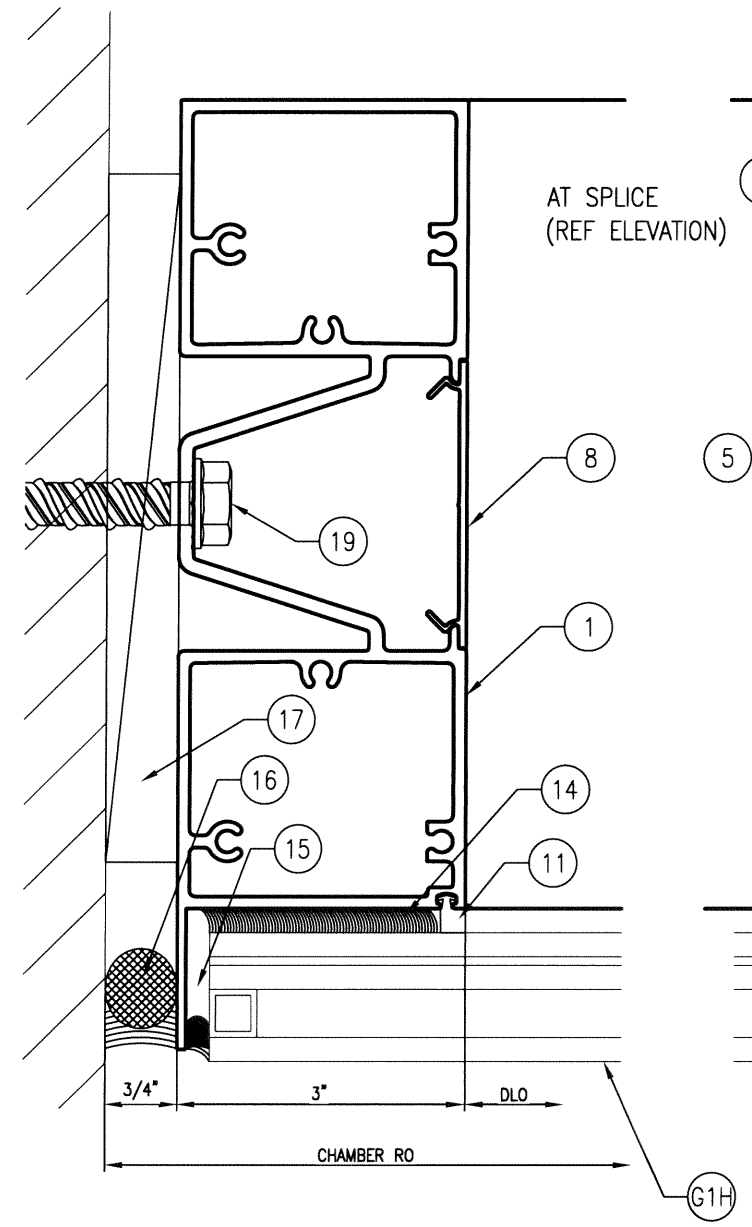
PART OR ASSEMBLY:
ELEVATION
±190 PSF

NO	DATE	DESCRIPTION	BY

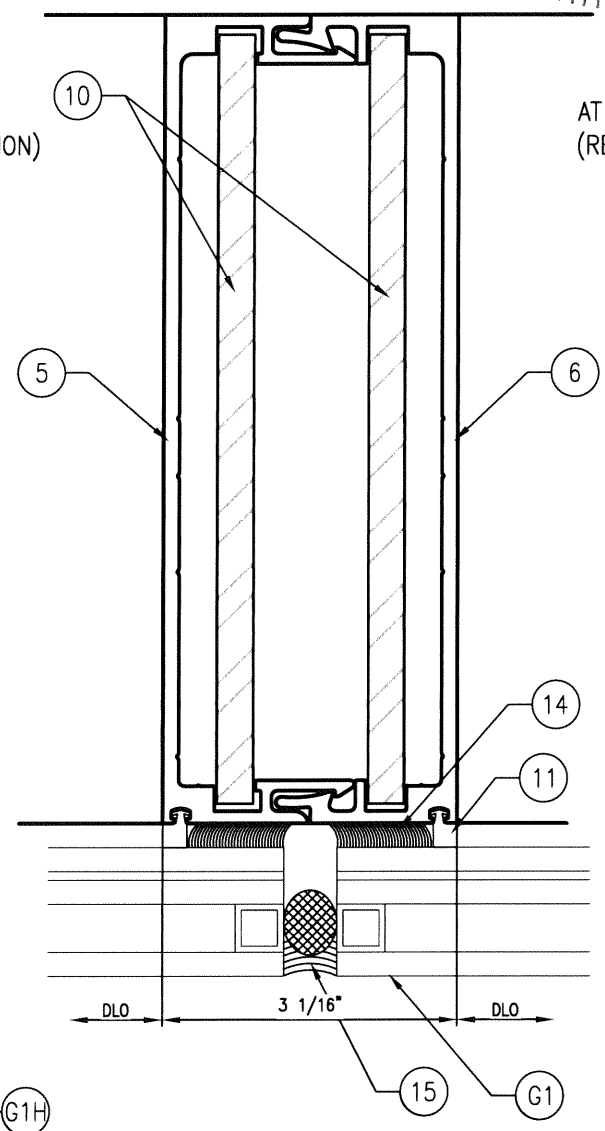
DATE: 5/20/24
SCALE: NTS
DWG. BY: ECV
CHK BY:
DRAWING NO.:
FL21123.10
SHEET: **3** OF **12**



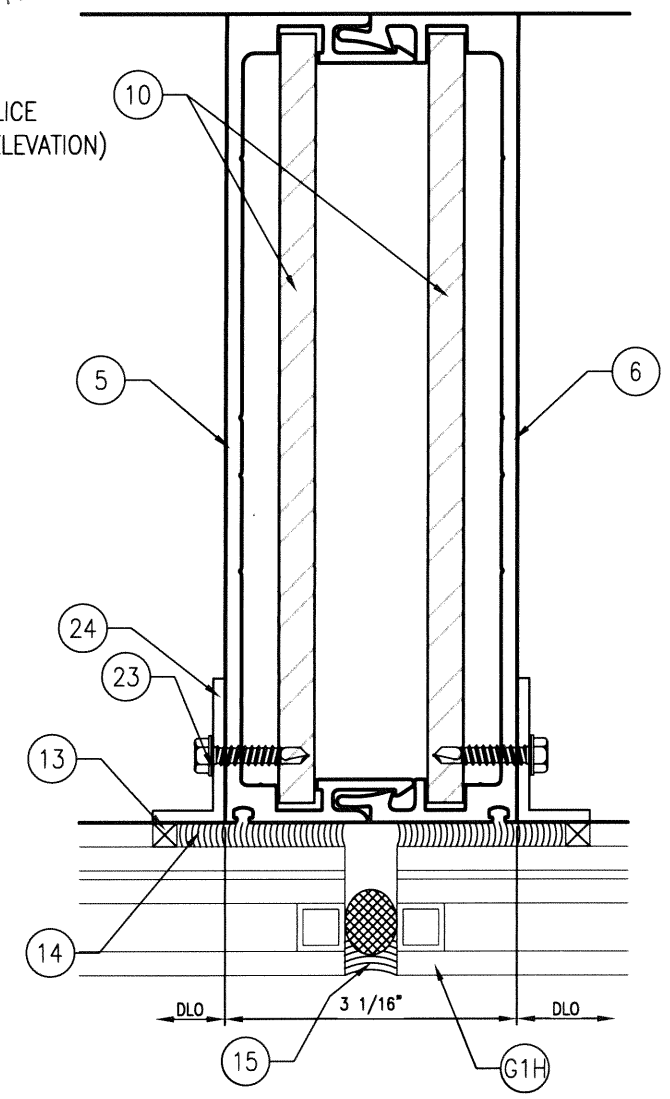
1 JAMB-STANDARD GLAZING
±100 PSF Scale: 6" = 1'-0"



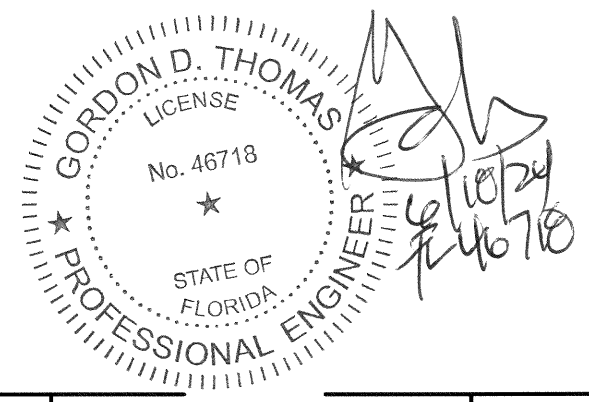
1A JAMB- HD GLAZING
Scale: 6" = 1'-0"



2 MULL - STANDARD GLAZING
NOT USED Scale: 6" = 1'-0"



2A MULL - HEAVY DUTY
±190 PSF Scale: 6" = 1'-0"



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SUN METALS

PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

PART OR ASSEMBLY:
DETAILS
VERTICALS (1-5/16" GLAZING)

NO	DATE	DESCRIPTION	BY
REVISIONS			

DATE: 5/20/24

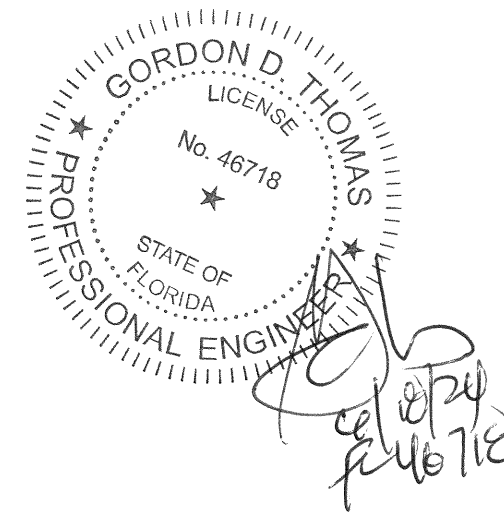
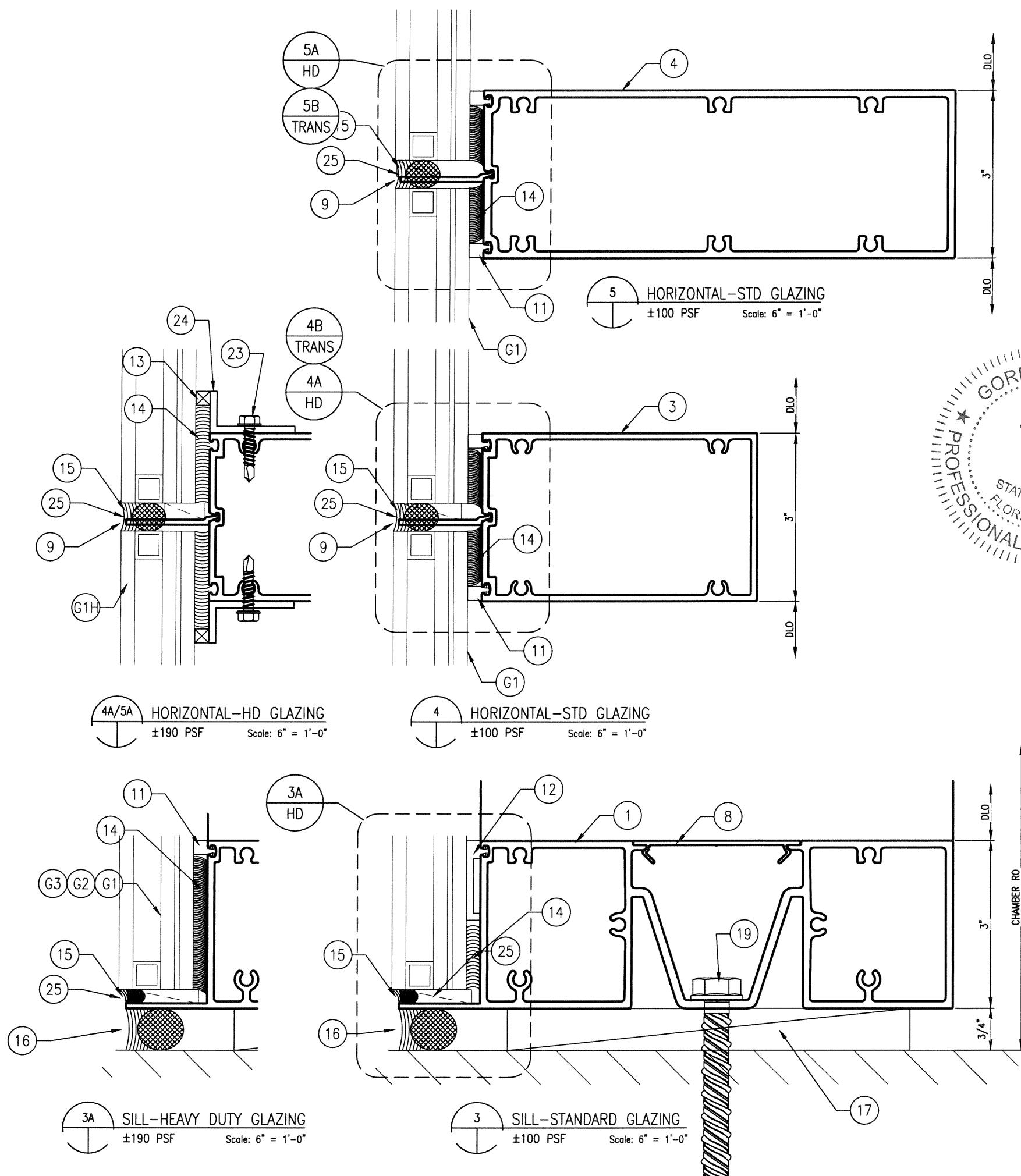
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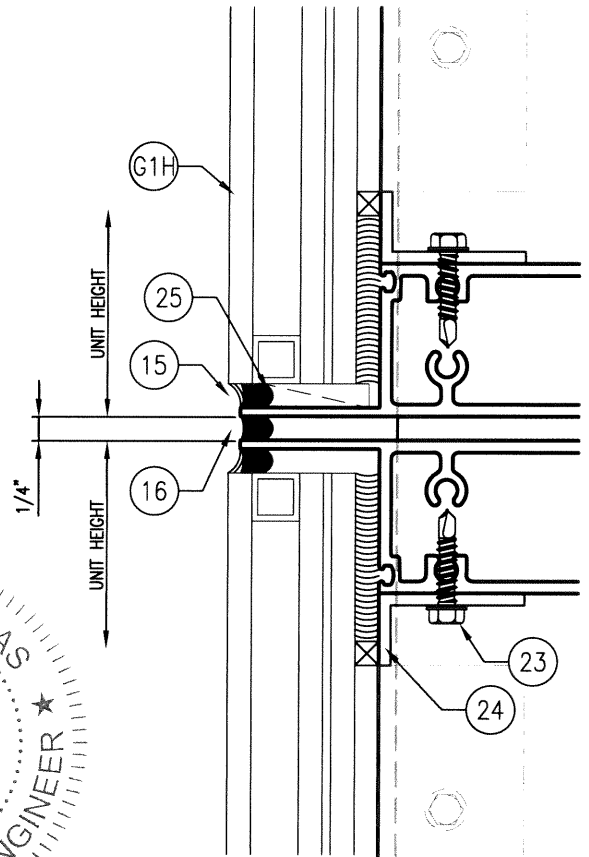
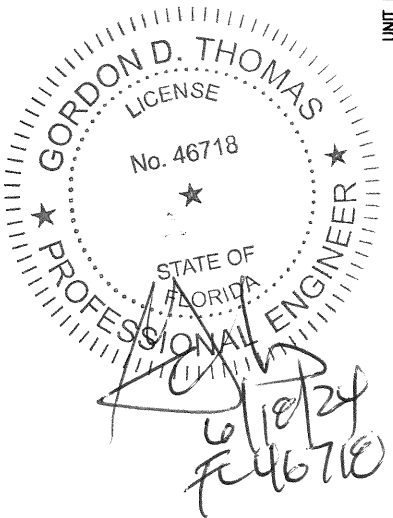
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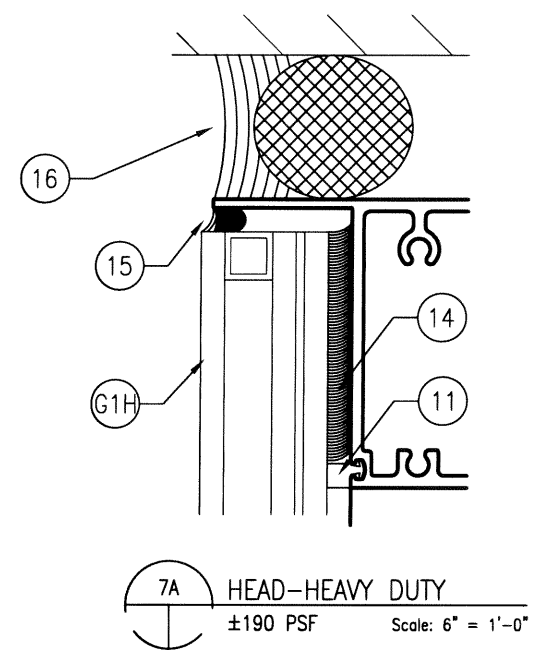
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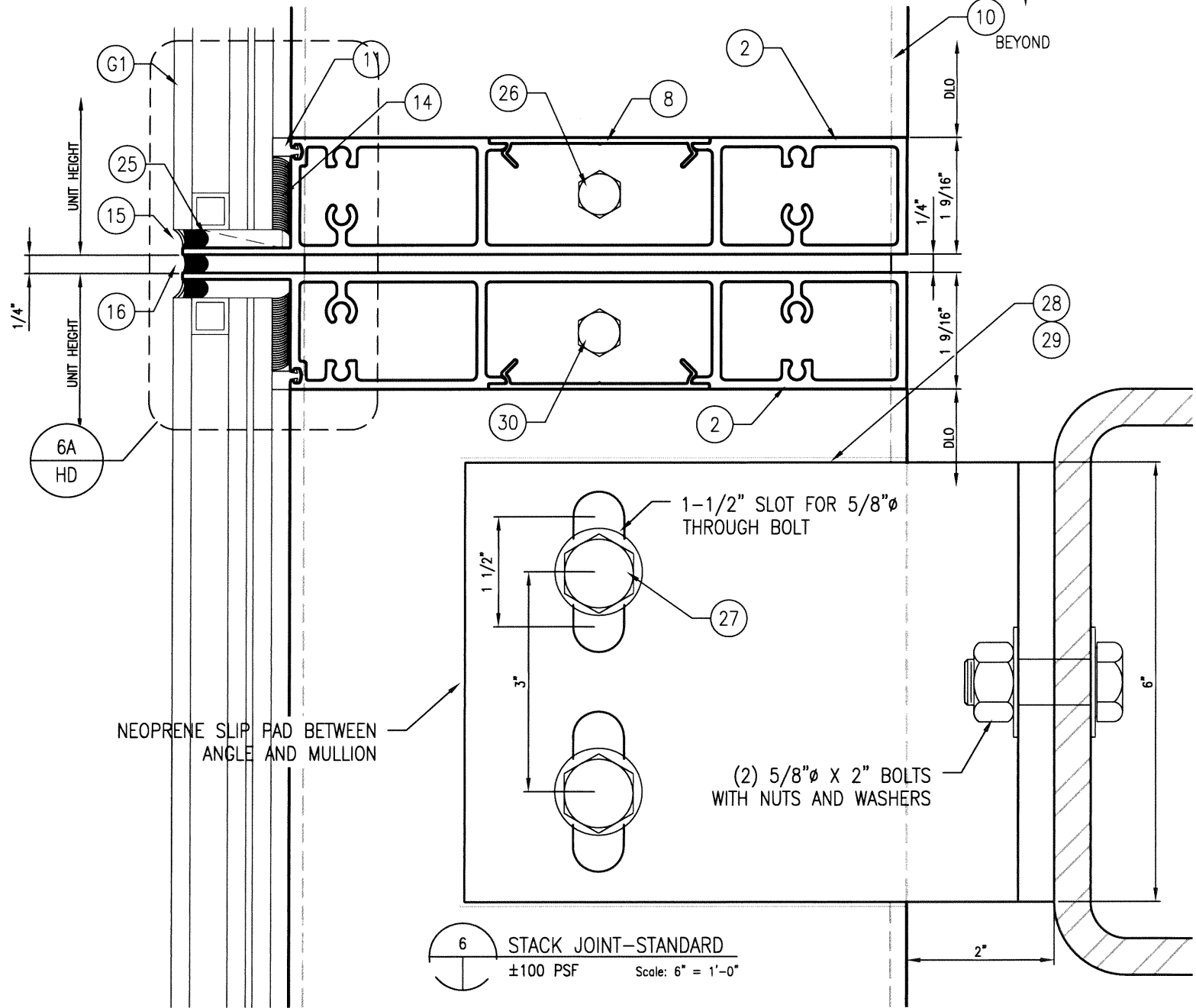
5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666 SUN METALS		PRODUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL		PART OR ASSEMBLY: DETAILS: SILL AND HORIZONTALS (1-5/16" GLAZING)	
DATE: 5/20/24	SCALE: NA	DWG. BY: ECV	CHK BY:	DRAWING NO.: FL21123.10	SHEET: 5 OF 12
NO		DATE	DESCRIPTION	BY	REVISIONS



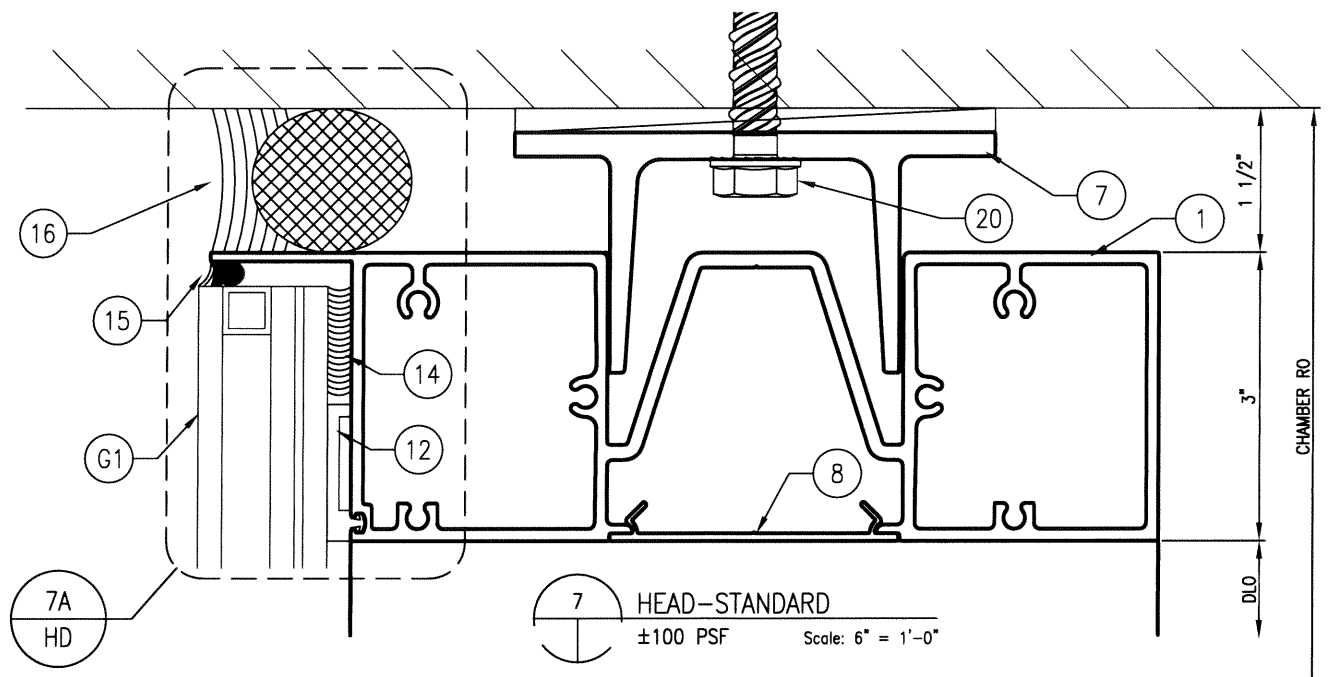
6A HEAD-HEAVY DUTY
±190 PSF Scale: 6" = 1'-0"



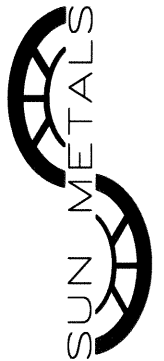
7A HEAD-HEAVY DUTY
±190 PSF Scale: 6" = 1'-0"



6 STACK JOINT-STANDARD
±100 PSF Scale: 6" = 1'-0"

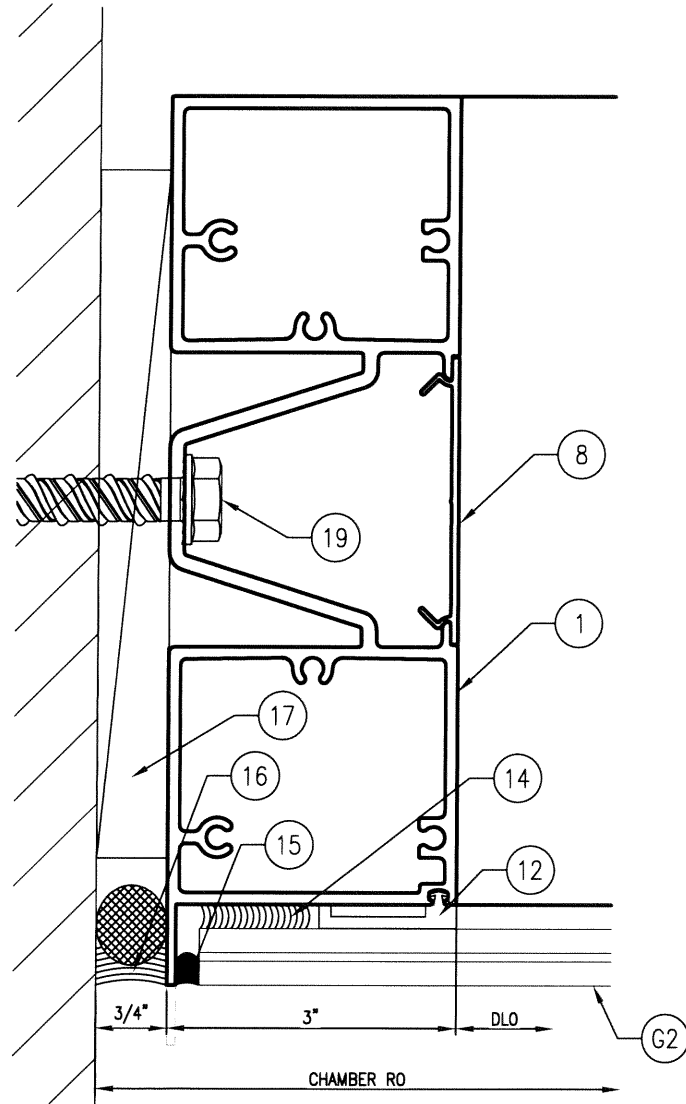


7 HEAD-STANDARD
±100 PSF Scale: 6" = 1'-0"

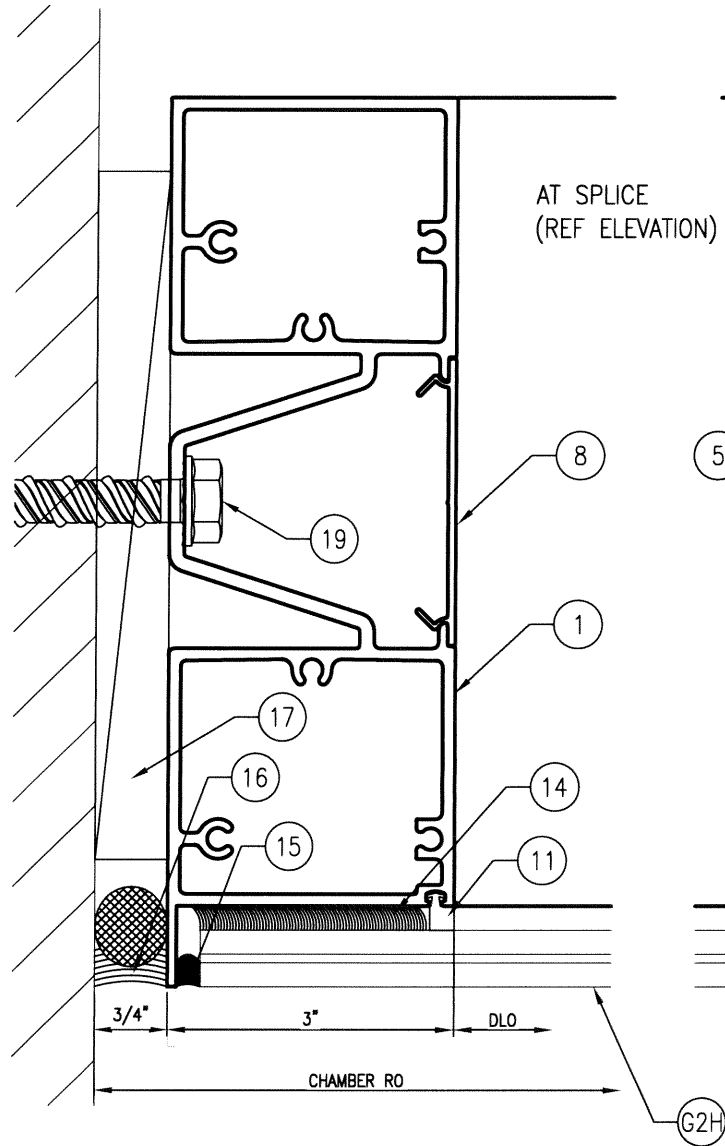


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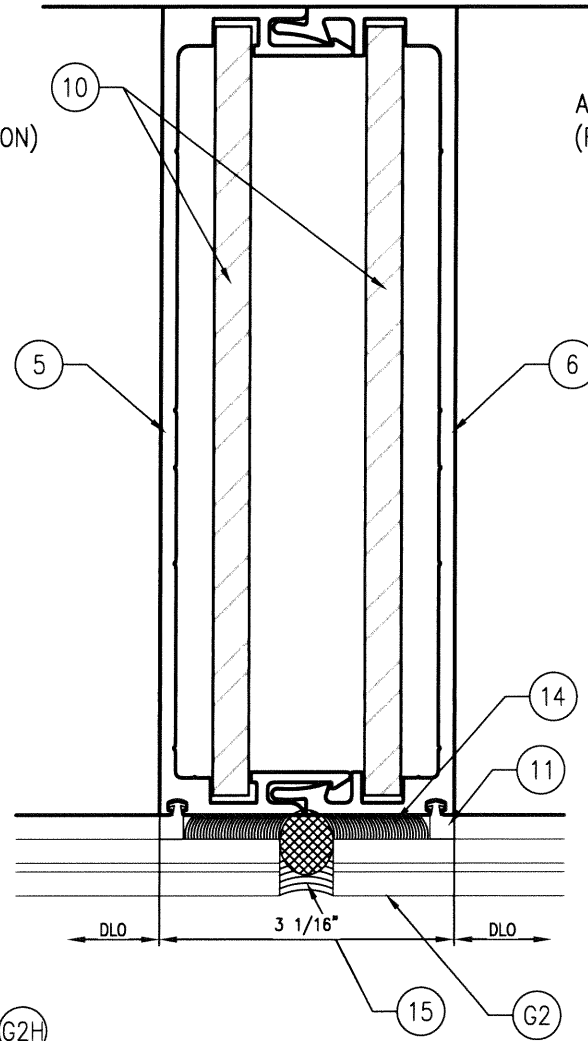
PRODUCT:		SERIES 1050WW MULTI-SPAN CURTAIN WALL	
PART OR ASSEMBLY:		DETAILS: STACK JOINT AND HEAD (1-5/16" GLAZING)	
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 5/20/24			
SCALE: NA			
DWG. BY: ECV			
CHK BY:			
DRAWING NO.: FL21123.10			
SHEET: 6 OF 12			



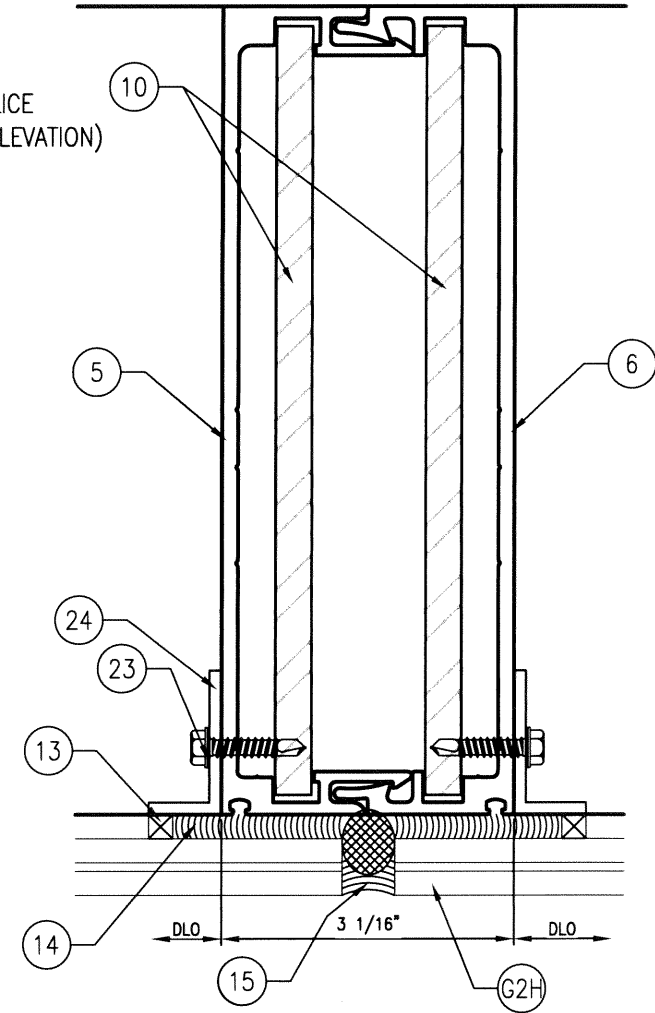
1 JAMB-STANDARD GLAZING
±100 PSF Scale: 6" = 1'-0"



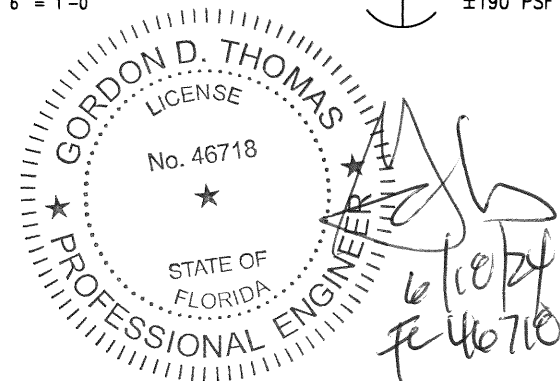
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Scale: 6" = 1'-0"



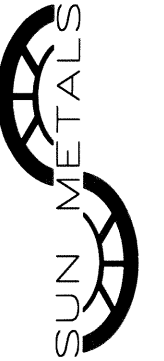
2 MULL - STANDARD GLAZING
NOT USED Scale: 6" = 1'-0"



2A MULL - HEAVY DUTY
±190 PSF Scale: 6" = 1'-0"



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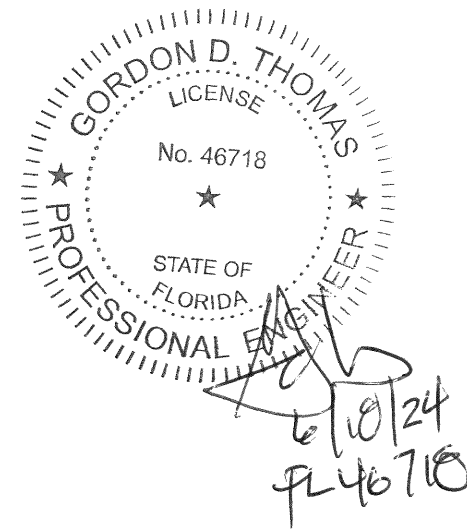
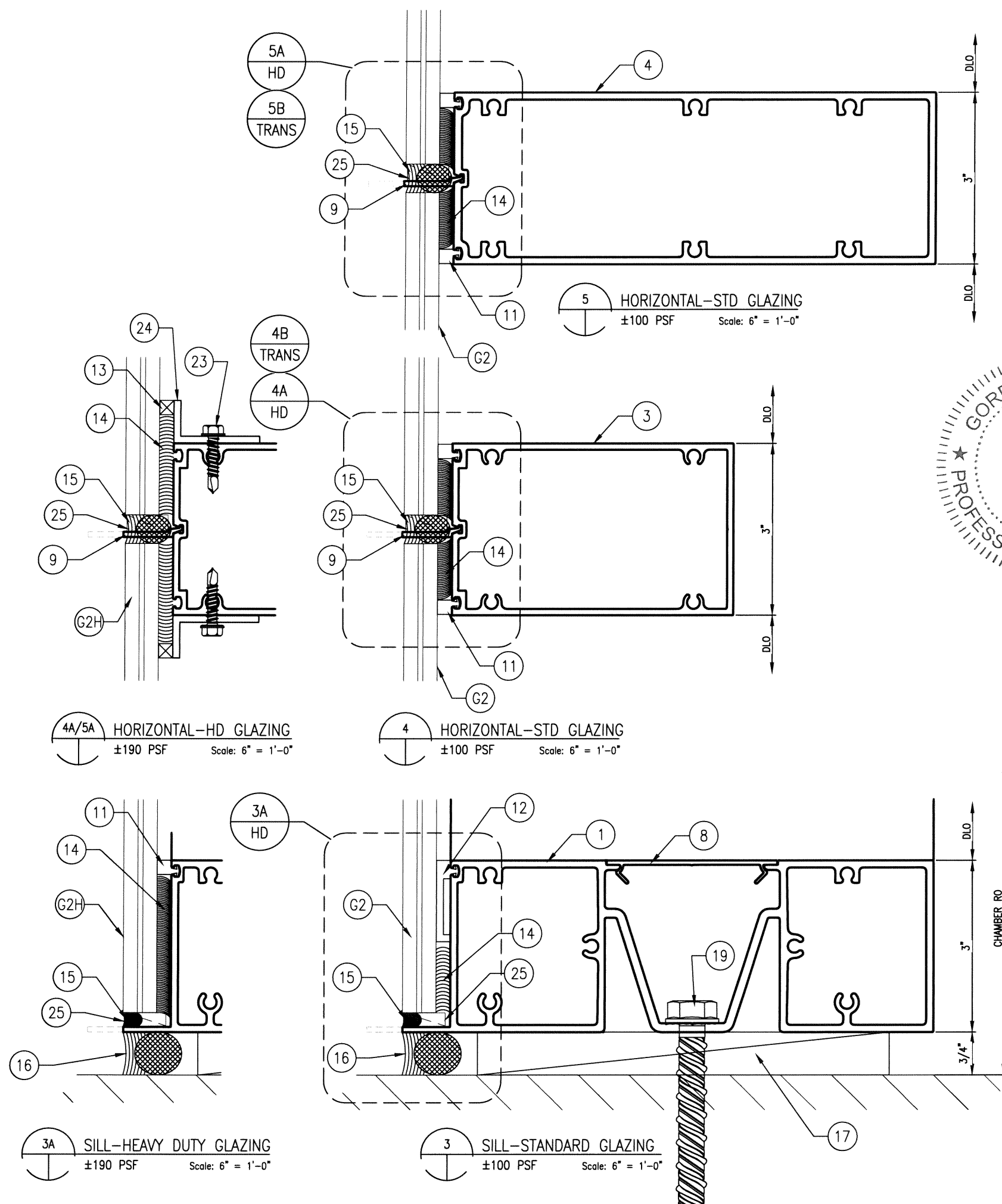


PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

PART OR ASSEMBLY:
DETAILS
VERTICALS (9/16" GLAZING)

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24
SCALE: NA
DWG. BY: ECV
CHK BY:
DRAWING NO.:
FL21123.10
SHEET: 7 OF 12

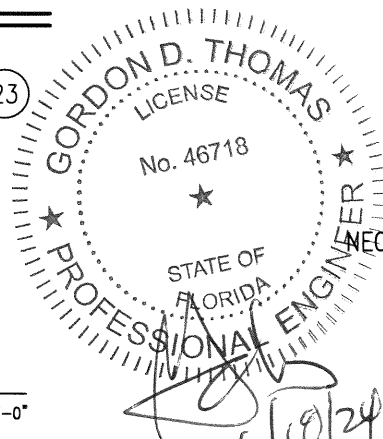
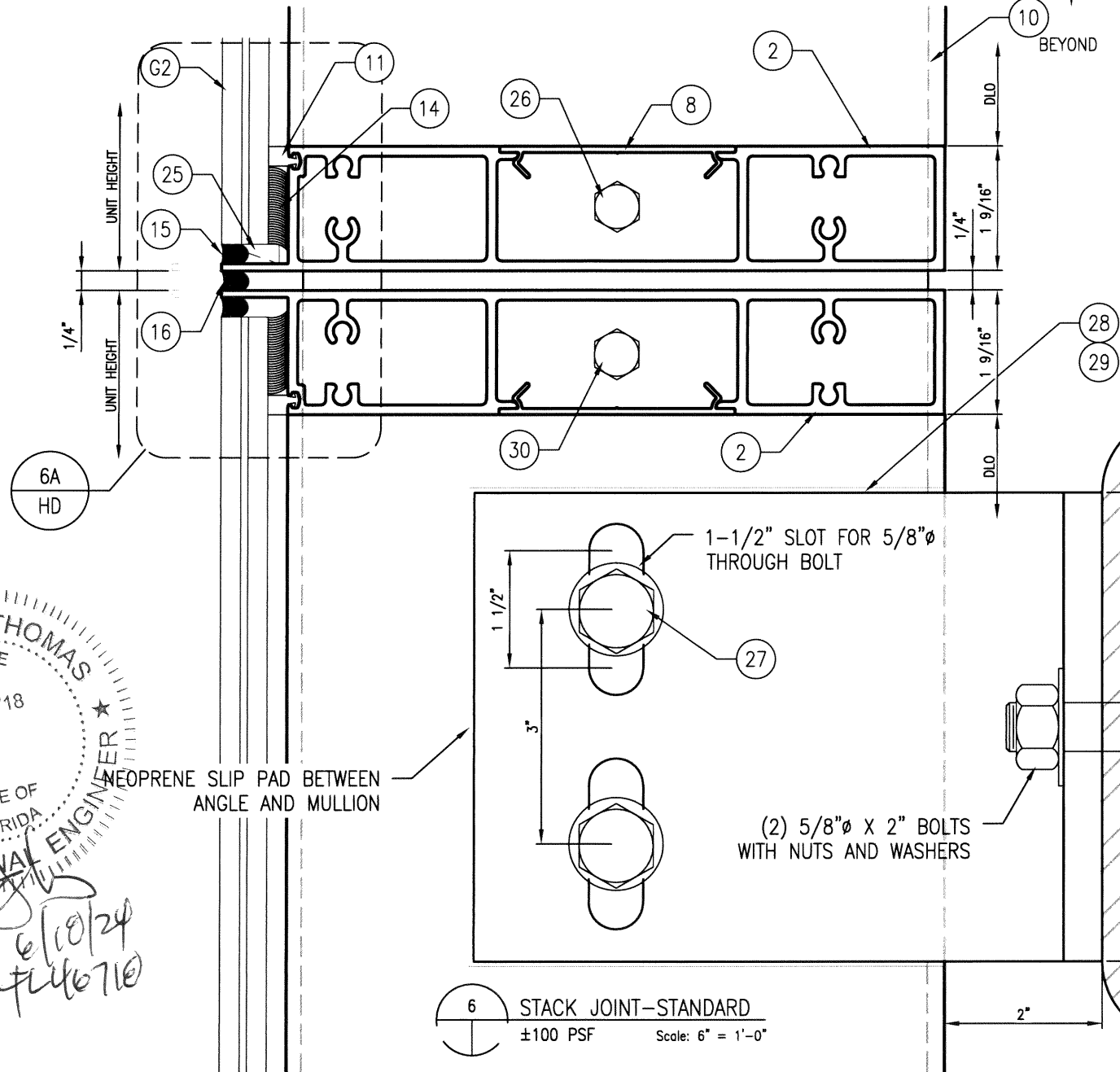
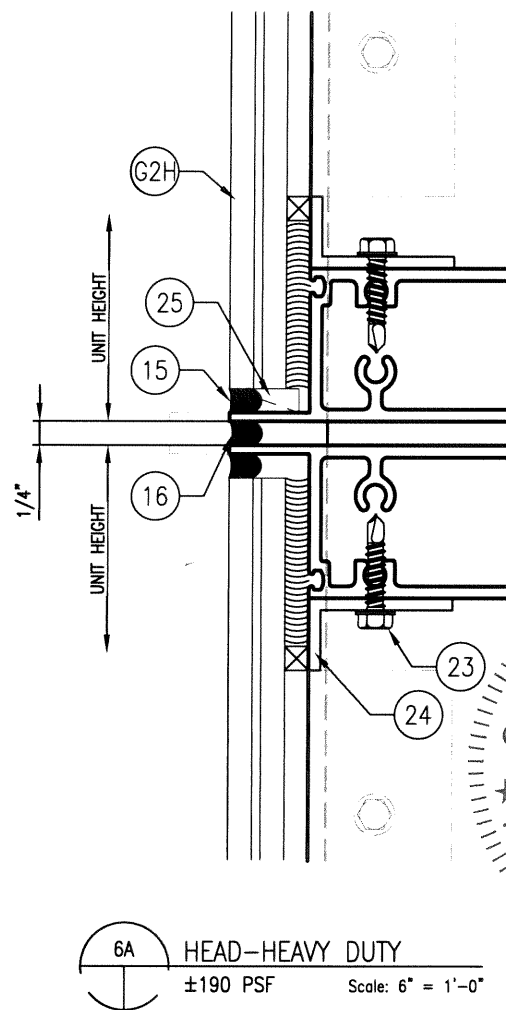




SUN METALS

5008 TAMPA WEST BLVD.
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PRODUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL		PART OR ASSEMBLY: DETAILS: SILL AND HORIZONTALS (9/16" GLAZING)	
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 5/20/24 SCALE: NA DWG. BY: ECV CHK BY: DRAWING NO.: FL21123.10 SHEET: 8 OF 12			



NEOPRENE SLIP PAD BETWEEN
ANGLE AND MULLION

- 1-1/2" SLOT FOR 5/8"Ø
THROUGH BOLT

(2) 5/8"Ø X 2" BOLTS
WITH NUTS AND WASHERS



PRODUCT: **SERIES 1050WW MULTI-SPAN CURTAIN WALL**

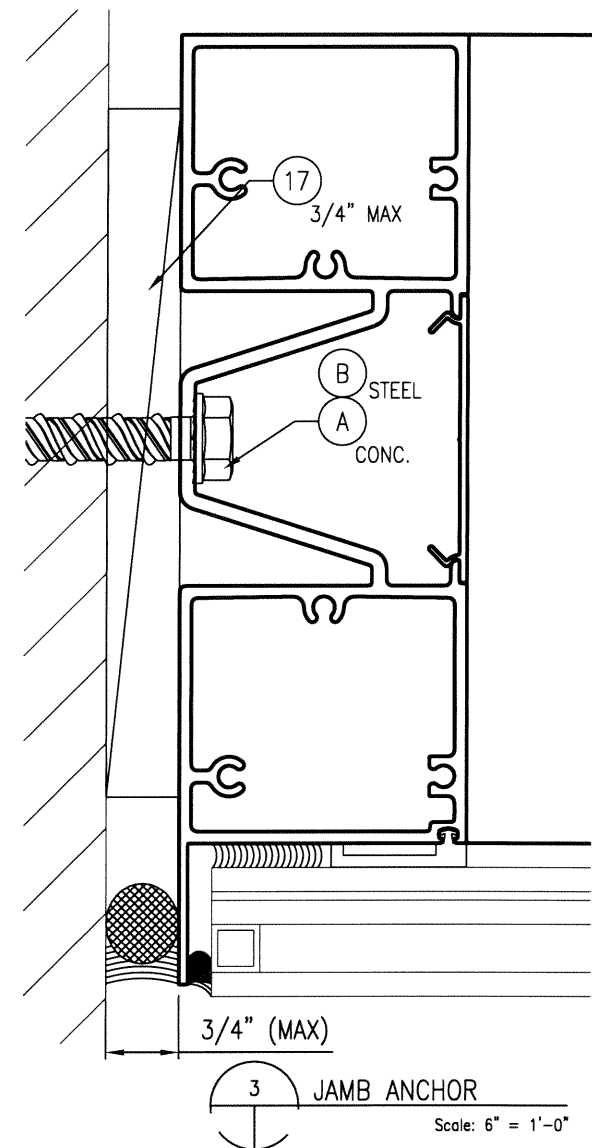
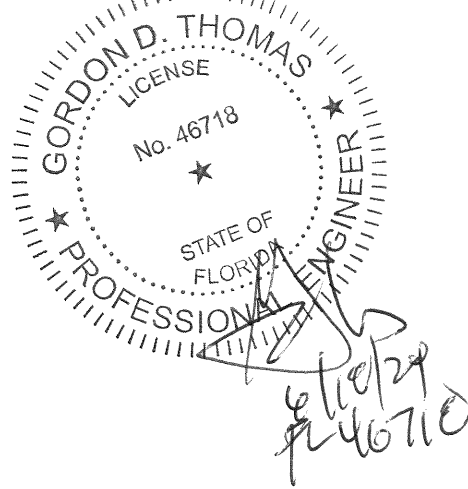
PART OR ASSEMBLY:

DETAILS: STACK JOINT AND
HEAD (9/16" GLAZING)

[illegible]

DRAWING NO.:
FL21123.10

SHEET: 9 OF 12



ANCHOR SCHEDULE		
SUBSTRATE	TYPE	HEAD ANCHORS: DETAIL 1 (SPACING 1E)
CONCRETE	A	3/8" ITW Red Head Bolt with 2-1/2" min embedment, 4" minimum edge distance. Three required thus at 6" o/c in 15" anchor clip with 1/2" maximum shim. Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	B	3/8" diameter SAE GR 5 self drilling screws or bolts. Three required thus at 6" o/c in 15" anchor clip with 1/2" maximum shim. Steel structure to have 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.
SILL ANCHORS: DETAIL 2 (SPACING 2E)		
CONCRETE	A	3/8" ITW Red Head Bolt with 2-1/2" min embedment, 4" minimum edge distance. Three required thus at 6" o/c each side of mullion and one at the unit centerline with 1" maximum shim. Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	B	3/8" diameter SAE GR 5 self drilling screws or bolts. Three required thus at 6" o/c each side of mullion and one at the unit centerline with 1/2" max shim. Steel structure to have 0.125" min 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. Min embedment of 3 threads through steel substrate, with 1" min. edge distance.
JAMB ANCHORS: DETAIL 3		
CONCRETE	A	3/8" ITW Red Head Bolt with 2-1/2" min embedment, 4" minimum edge distance. Maximum spacing 22 13/16" o/c with 3/4" maximum shim. Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	B	3/8" diameter SAE GR 5 self drilling screws or bolts. Install 4-1/2" from each end and 22 13/16" maximum spacing o/c and 3/8" maximum shim. Steel structure to have 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.



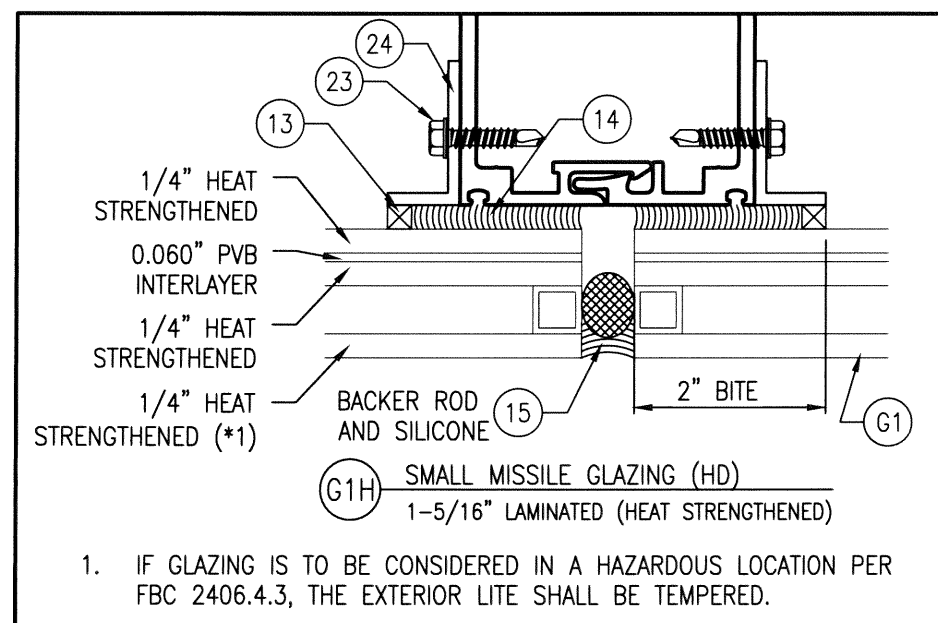
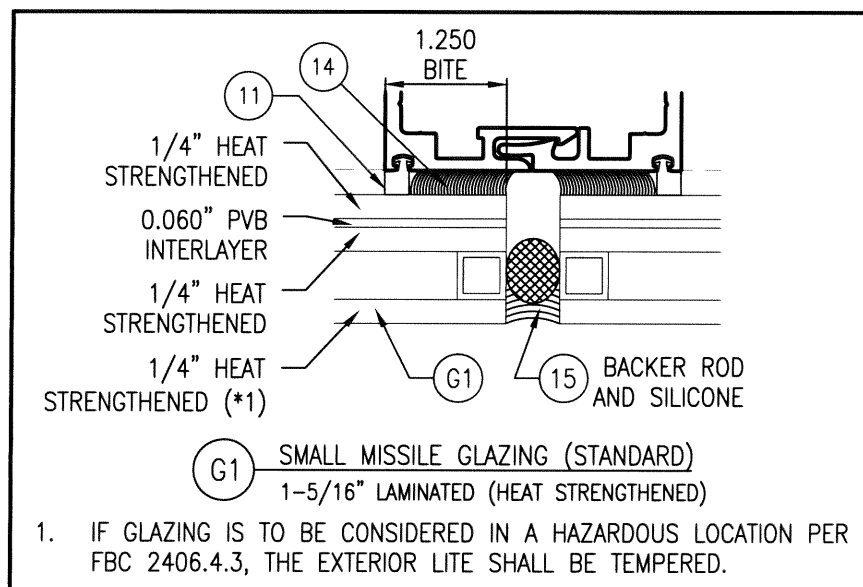
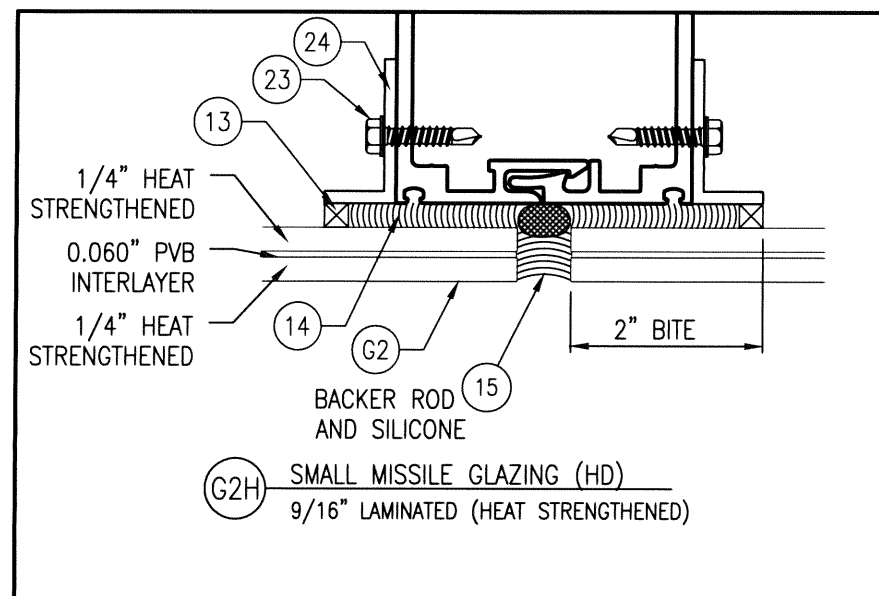
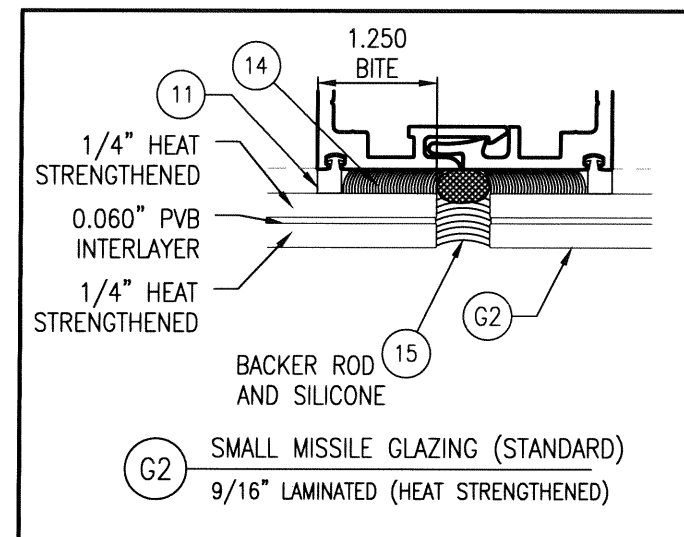
PRODUCT: **SERIES 1050WW MULTI-SPAN CURTAIN WALL**

PART OR ASSEMBLY: ANCHOR SCHEDULE

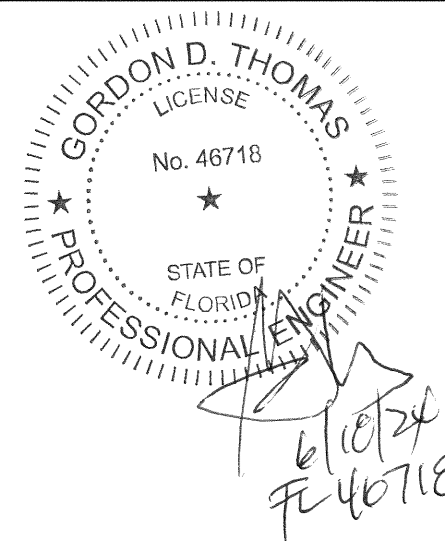
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SHEET: **10** OF **12**

 SUN METALS 5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666			
<u>PRODUCT:</u> SERIES 1050WW MULTI-SPAN CURTAIN WALL		<u>PART OR ASSEMBLY:</u> COMPONENTS	
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 5/20/24			
SCALE: NA			
DWG. BY: ECV			
CHK BY:			
DRAWING NO.: FL21123.10			
SHEET: <u>11</u> OF <u>12</u>			



BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-1113	HEAD/ SILL / JAMB	6005-T5	SUN METALS	
2	SUN-1536	HORIZONTAL AT STACK JOINT	6063-T6	SUN METALS	
3	SUN-6535	HORIZONTAL	6063-T5	SUN METALS	
4	SUN-1535	HORIZONTAL	6063-T6	SUN METALS	
5	SUN-1019	SPLIT MULLION - MALE	6005-T5	SUN METALS	
6	SUN-1020	SPLIT MULLION - FEMALE	6005-T5	SUN METALS	
7	SUN-1115	HEAD ANCHOR CHANNEL	6005-T5	SUN METALS	15" LONG @ EA SIDE OF MULLION
8	SUN-602	POCKET FILLER	6063-T6	SUN METALS	
9	SUN-1022	BUTT GLAZE SETTING CHAIR	6063-T6	SUN METALS	
10		8" X 3/8" STEEL BAR	A36	VARIES	48" LONG @ INTERMEDIATE MULL STACK JT.
11	TR-106815	CAULK STOP	SILICONE	TREMCO	
12	G1853	CAULK STOP	SILICONE	GRP	
13		GLAZING TAPE (1/4" X 1/4")		NORTON	
14	DOW 983	STRUCTURAL SILICONE	SILICONE	DOW CORNING	
15	DOW 795	PERIMETER CAP BEAD WEATHERSEAL	SILICONE	DOW CORNING	
16		PERIMETER WEATHERSEAL	SILICONE	DOW CORNING	DOW 790, 791, 795 OR APPROVED EQ.
17		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
18	SM5504	SEAM SEALER		SCHNEE MOREHEAD	
19		FRAME ANCHOR			REFERENCE ANCHOR SCHEDULE
20		HEAD ANCHOR			REFERENCE ANCHOR SCHEDULE
23		#12 TEK (12" O/C)		VARIES	
24		3/4"X 1-1/2" X 1/8" CONT. ALUM ANGLE	6063-T5	VARIES	
25		SETTING BLOCK (4" LONG AT 1/4 PTS)	SILICONE	VARIES	
26		3/8" X 4" BOLT WITH NUT AND WASHER	SAE GR 5	VARIES	DEAD LOAD BOLT AT STACK JOINT
27		5/8" X 5" BOLT WITH NUT AND WASHERS	SAE GR 5	VARIES	MIDPT ANCHOR BOLTS
28		8" X 8" X 1/2" STEEL ANGLE CLIP	A36	VARIES	MIDPT ANCHOR
29		NEOPRENE SLIP PAD			AT MIDPT ANCHOR
30		3/8" X 1-2" BOLT WITH NUT AND WASHER	SAE GR 5	VARIES	DEAD LOAD/LIFT BOLTS AT STACK JOINT
G1/G1H		1-5/16" INSULATED-LAMINATED GLASS		VARIES	1/4" HS - 1/2" SPACER - 1/4" HS /0.060 PVB / 1/4" HS
G2/G2H		9/16" LAMINATED GLASS		VARIES	1/4" HS /0.060 PVB / 1/4" HS



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PRODUCT: SERIES 1050WW MULTI-SPAN

PART OR ASSEMBLY:

[illegible]