

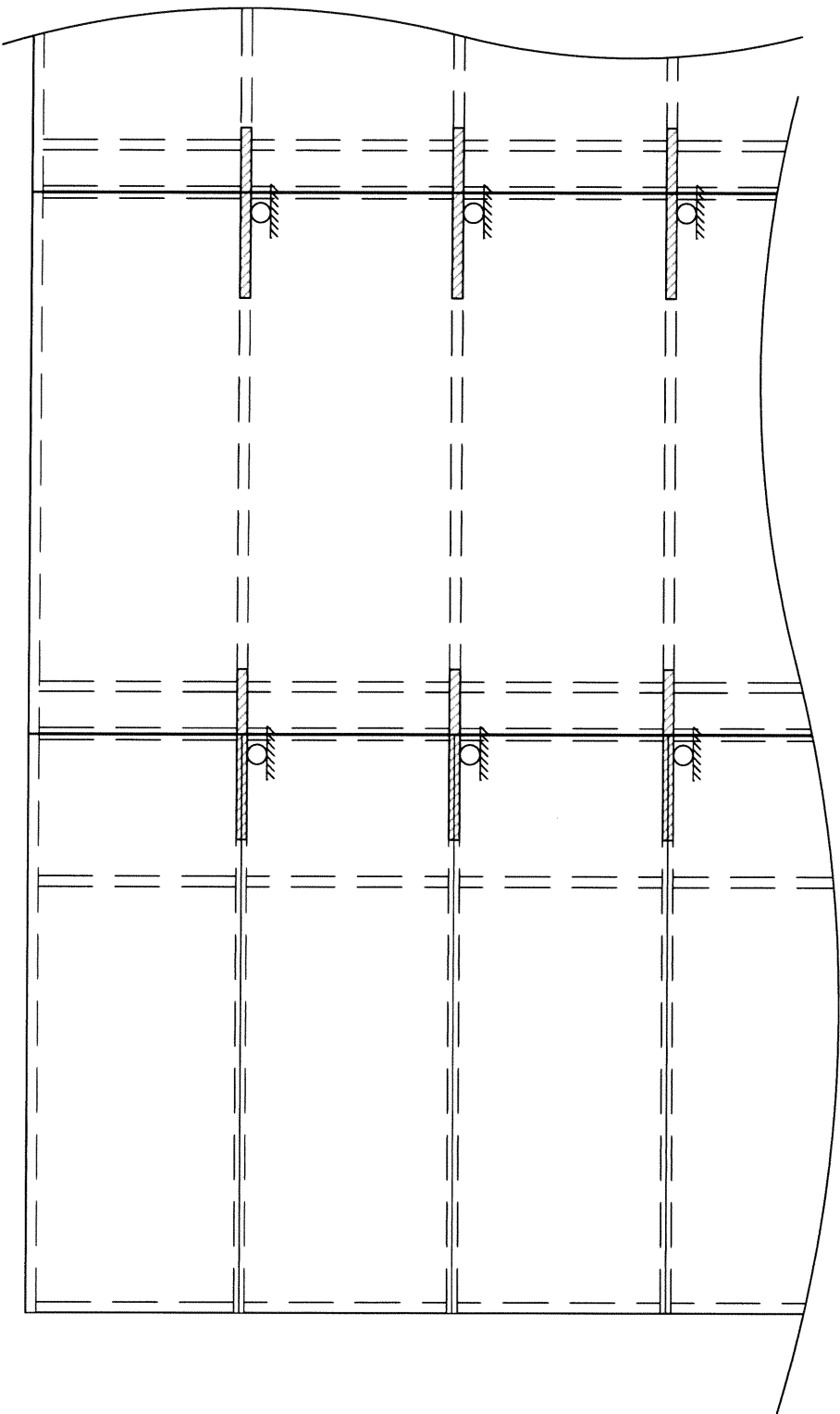
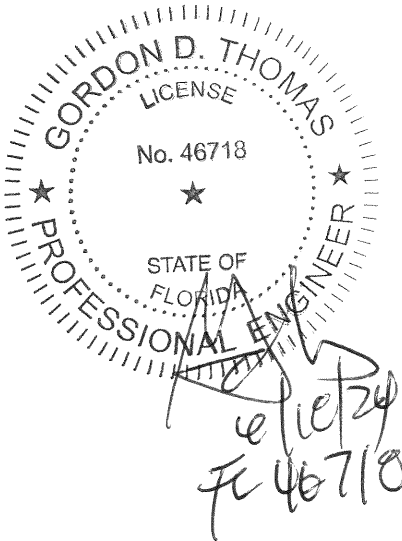
SERIES 1050WW MULTI-SPAN
ALUMINUM WINDOW WALL

"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.
- 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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SHEET #	DESCRIPTION
1	GENERAL NOTES, ELEVATION AND DESIGN PRESSURES
2	ELEVATION (+/- 100 PSF)
3	ELEVATION (+100/- 120 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)
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10	ANCHOR SCHEDULE
11	COMPONENTS
12	GLAZING CONDITIONS
13	BILL OF MATERIALS



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	LARGE MISSILE IMPACT
162 13/16"	60"	G1H,G2H	57" X 38 1/4"	+100	-120	LARGE MISSILE IMPACT
162 13/16"	60"	G3H, G4H	57" X 117"	+100	-120	LARGE MISSILE IMPACT

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



PRODUCT:
SERIES 1050WW MULTI-SPAN CURTAIN WALL

PART OR ASSEMBLY:
GENERAL NOTES, ELEVATION AND DESIGN PRESSURES

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24

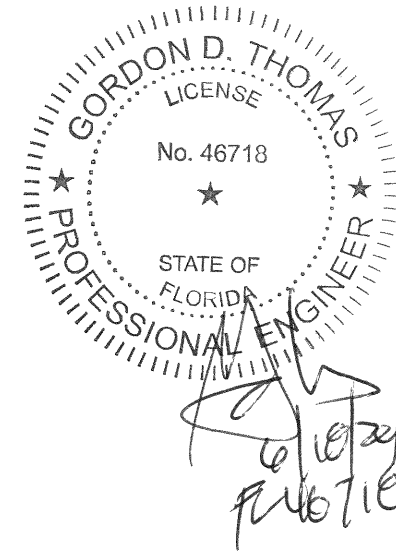
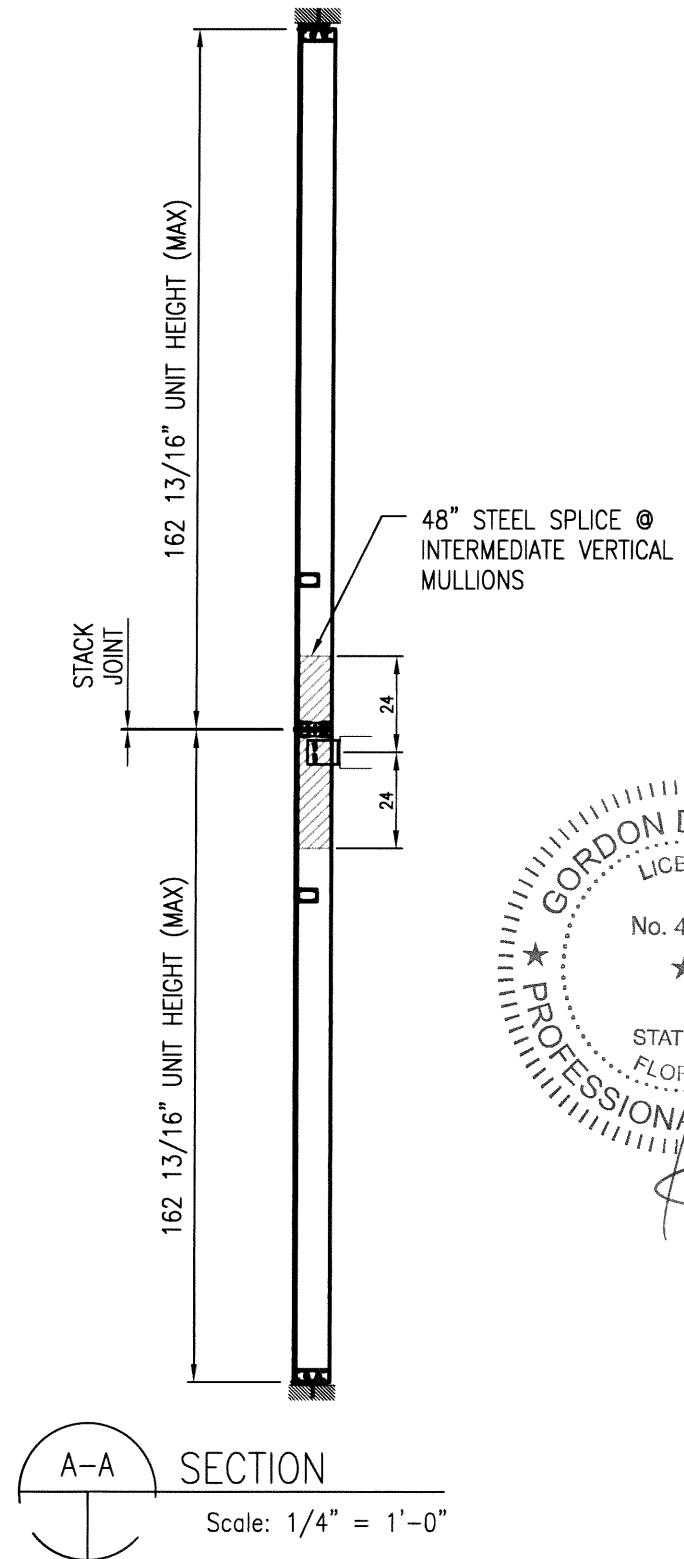
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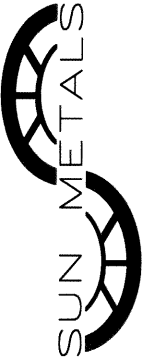
CHK BY:

DRAWING NO.: FL21123.9

SHEET: **1** OF **13**



5008 TAMPA WEST BLVD.
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FAX: (813) 886-0666



PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

SEMBLY:
ELEVATION
±100 PSF

[illegible]

DATE: 5/20/24

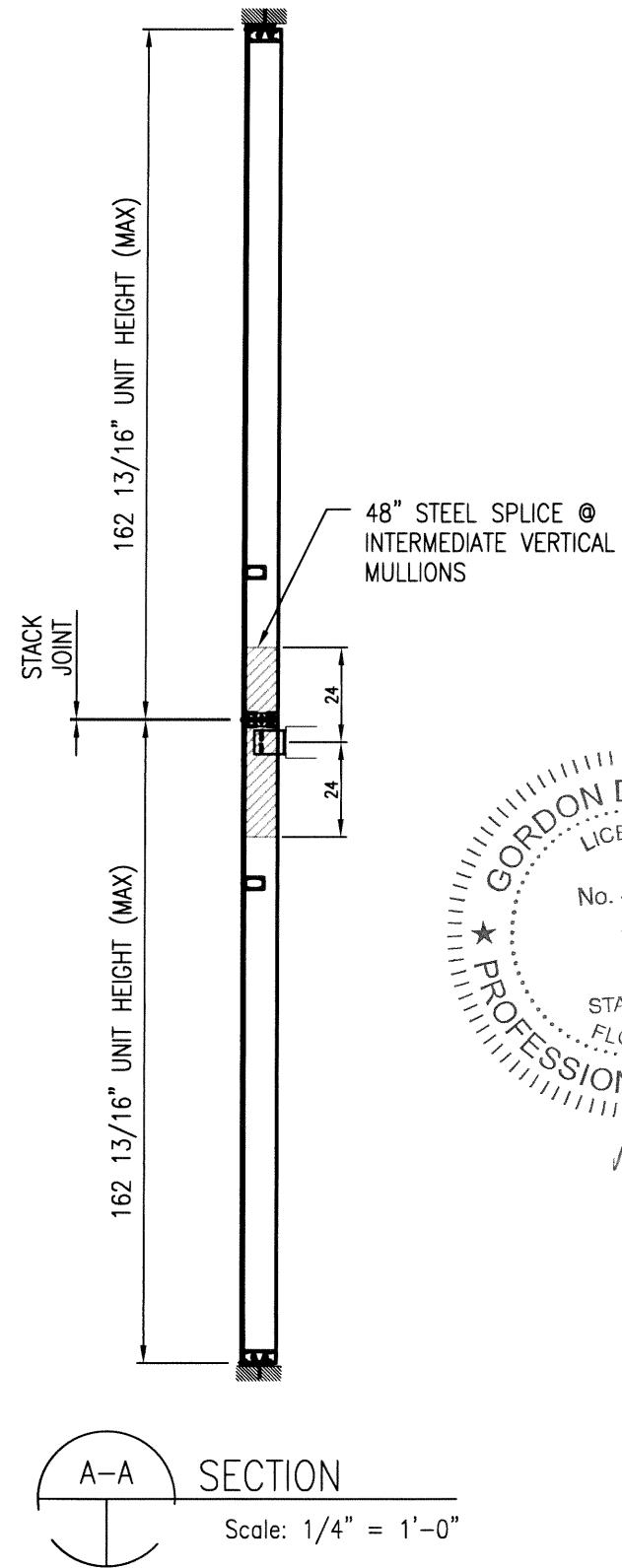
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DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL21123.9

SHEET: **2** OF **13**



5008 TAMPA WEST BLVD.
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PRODUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL

PART OR ASSEMBLY:
ELEVATION
+100/-120 PSF

[illegible]

DATE: 5/20/24

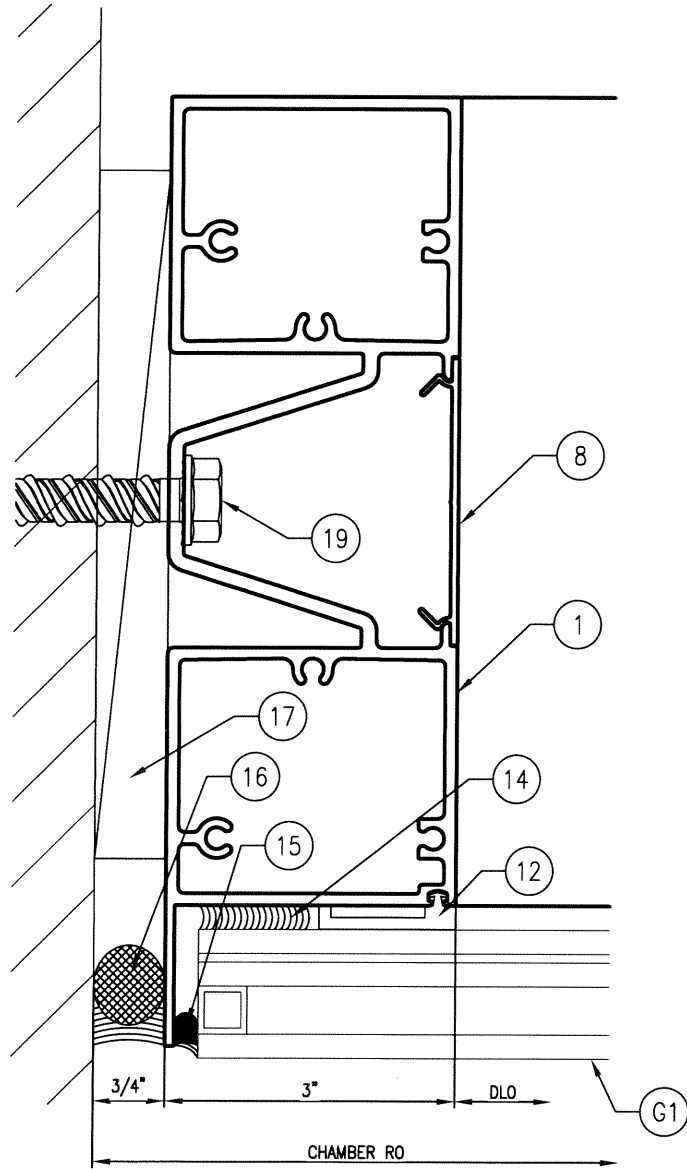
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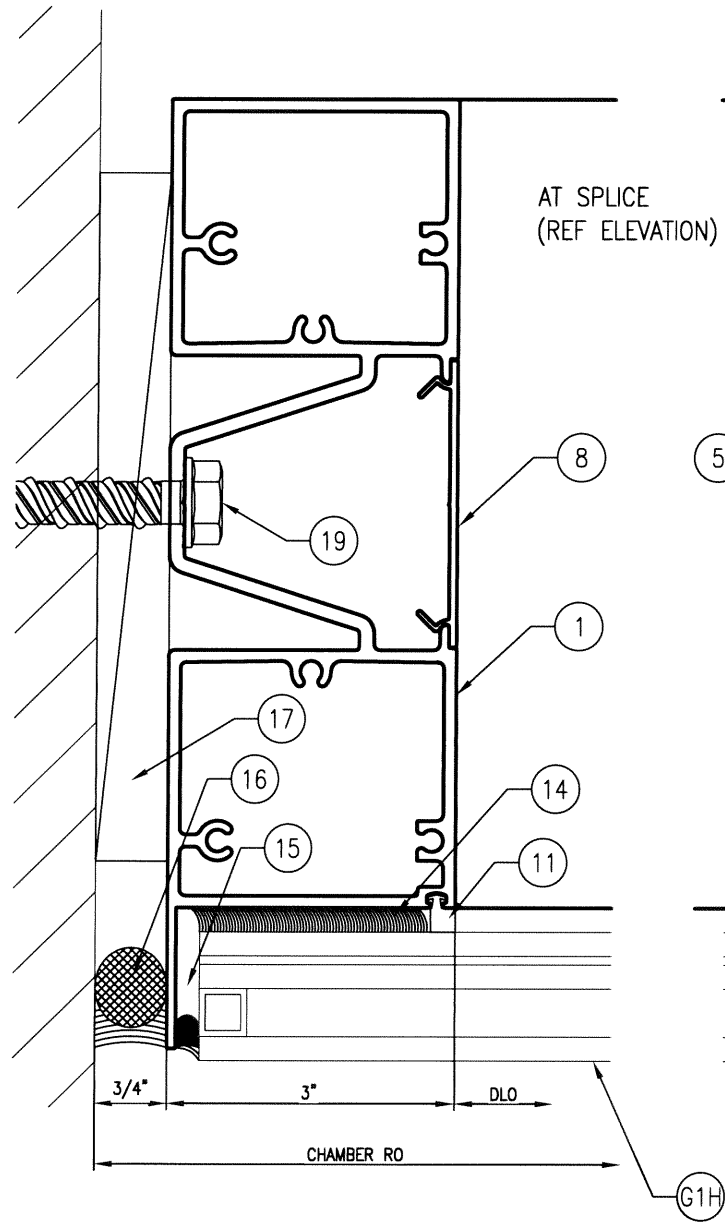
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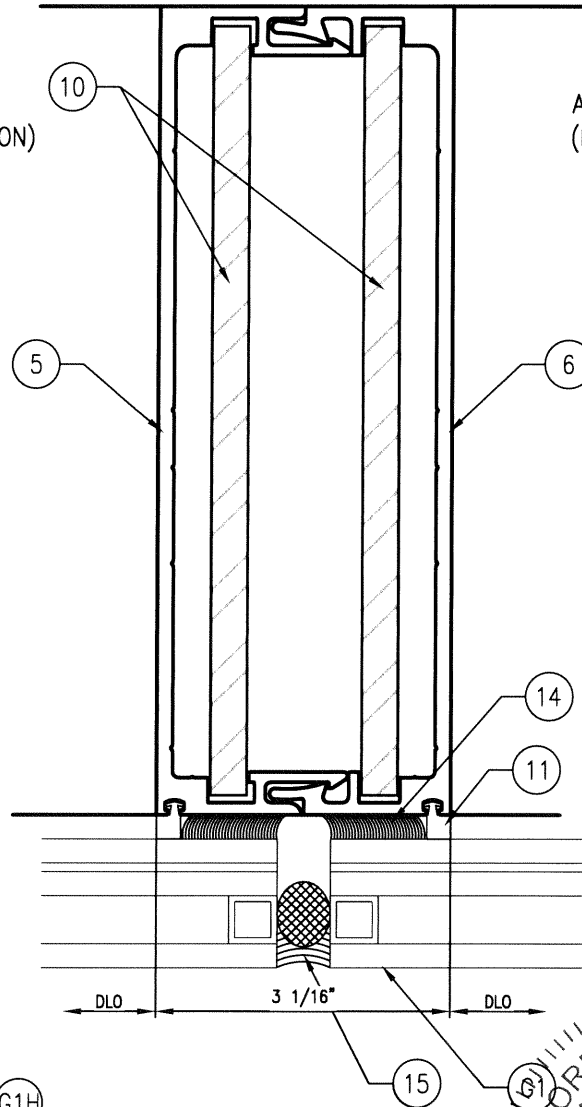
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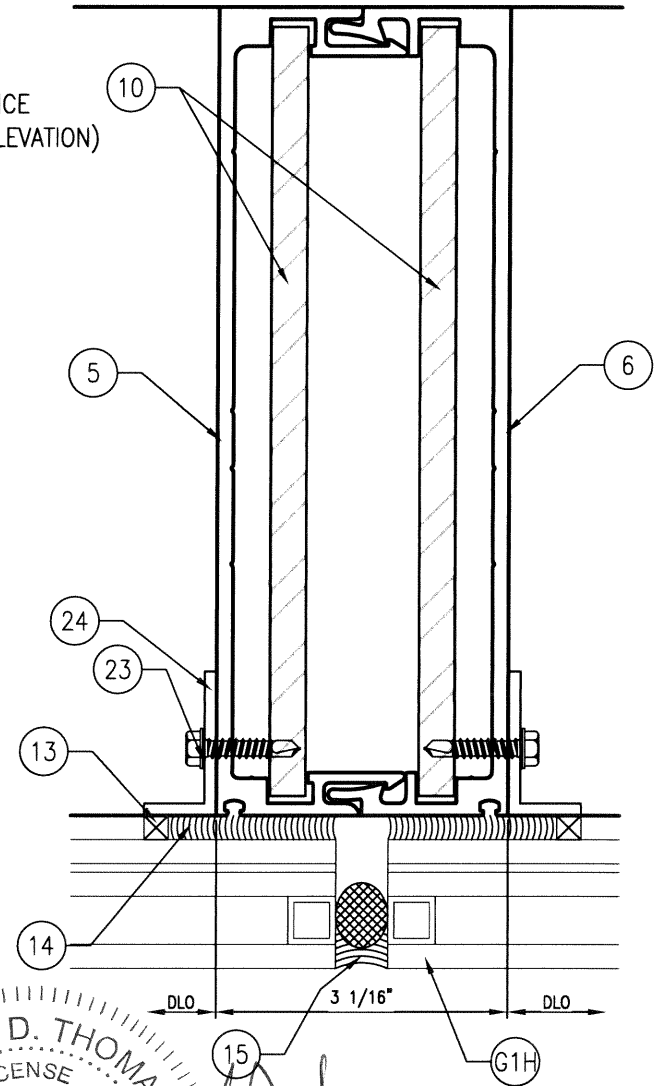
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±100 PSF Scale: 6" = 1'-0"



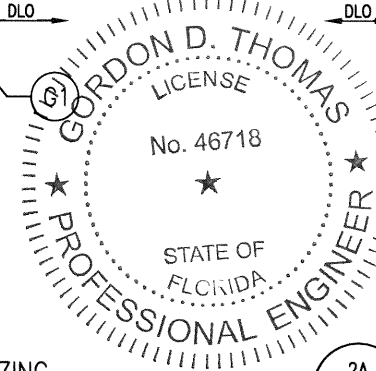
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Scale: 6" = 1'-0"



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 (1'-5/16" GLAZING)

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24

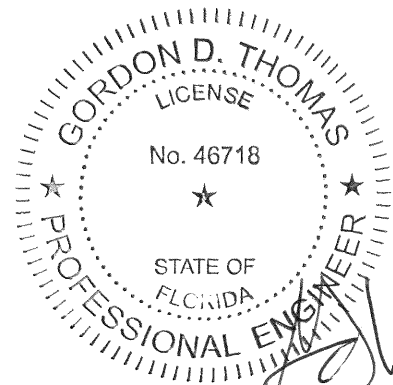
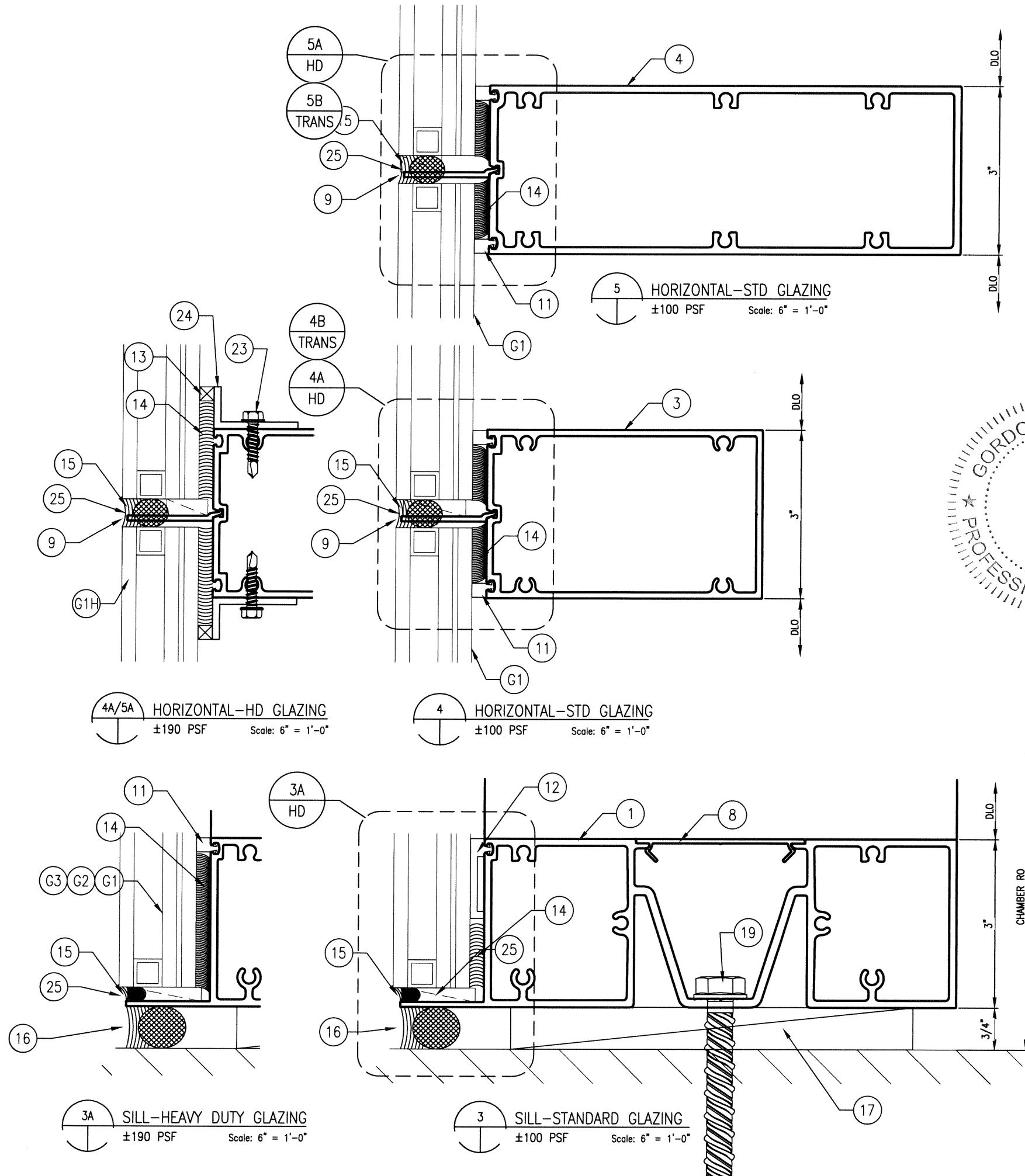
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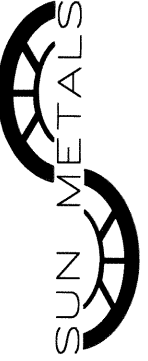
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DRAWING NO.:
FL21123.9

SHEET: 4 OF 13

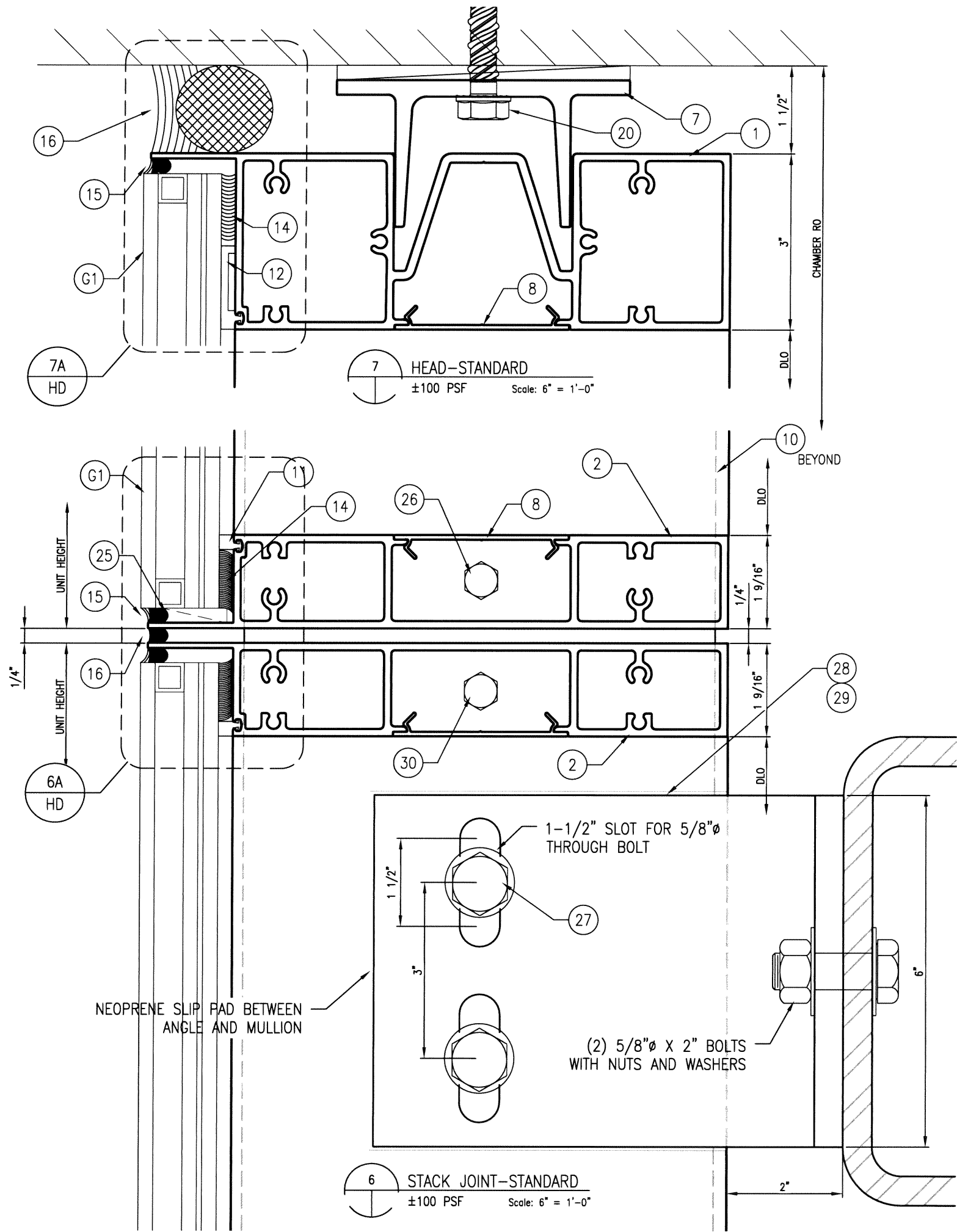
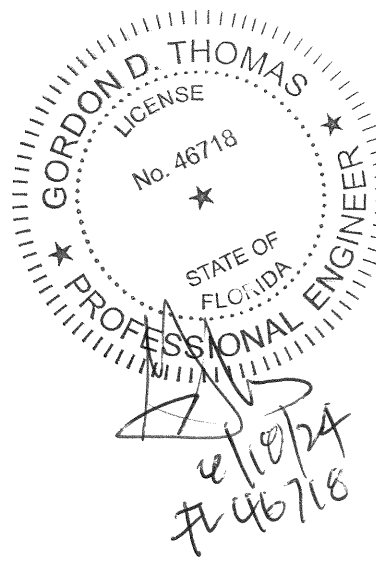


4/10/24
FL 46718

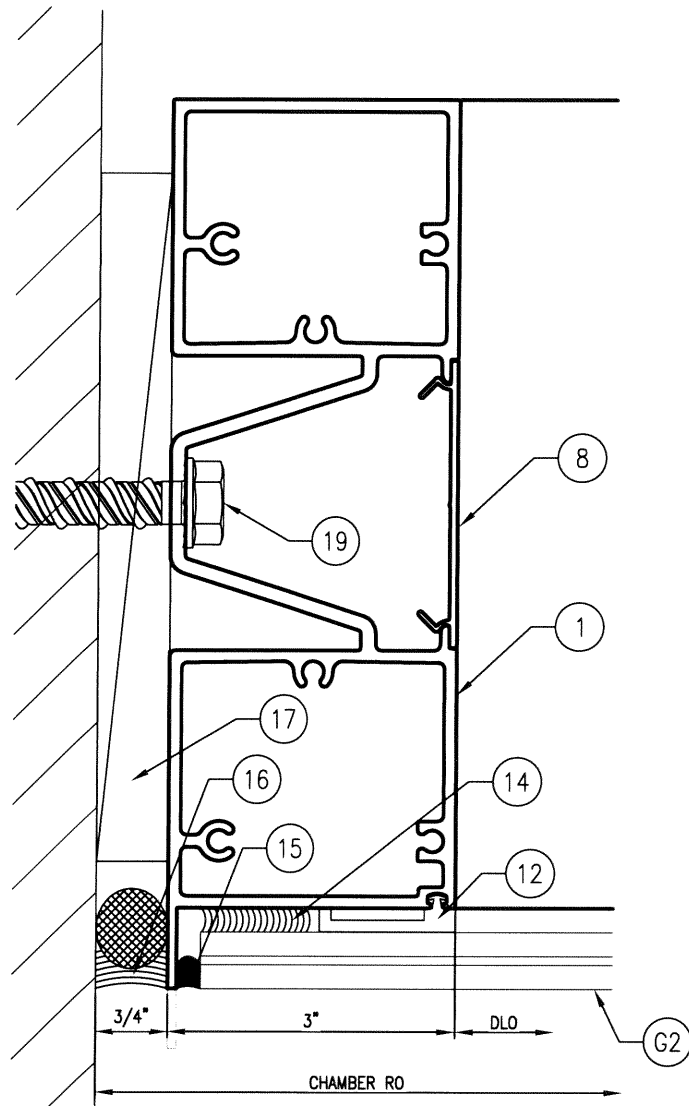


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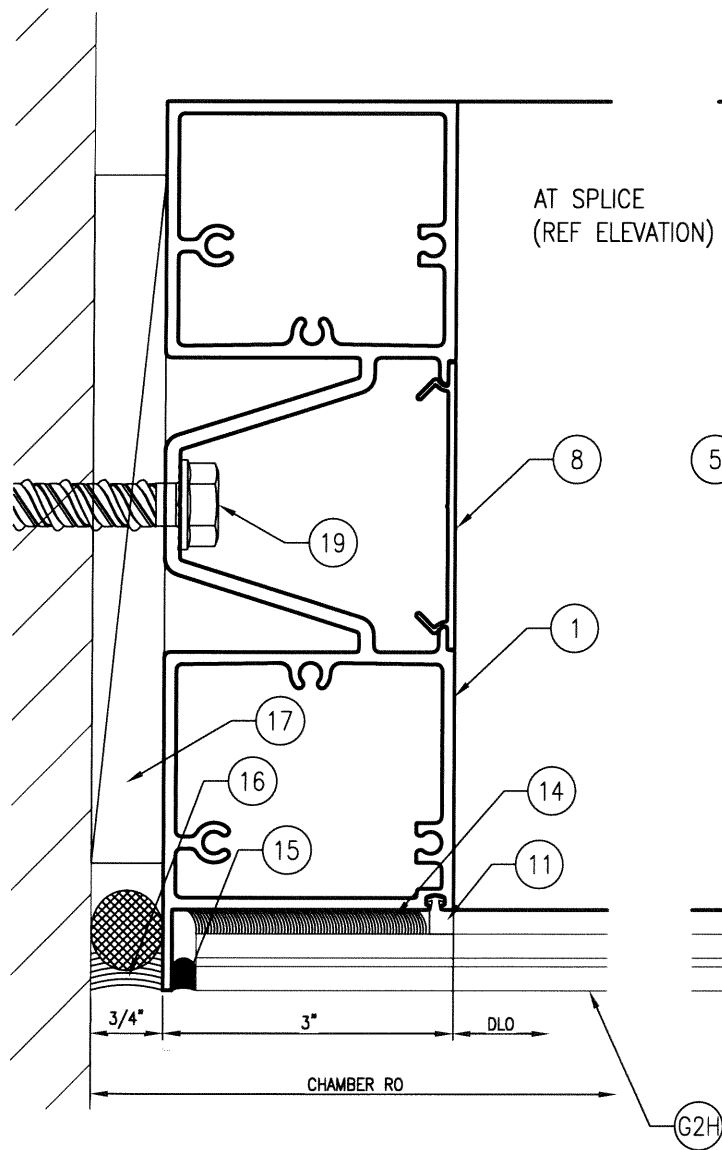
PRODUCT:		SERIES 1050WW MULTI-SPAN CURTAIN WALL	
PART OR ASSEMBLY:		DETAILS: SILL AND HORIZONTALS (1-5/16" GLAZING)	
NO	DATE	DESCRIPTION	BY
REVISIONS			
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DWG. BY: ECV			
CHK BY:			
DRAWING NO.: FL21123.9			
SHEET: 5 OF 13			



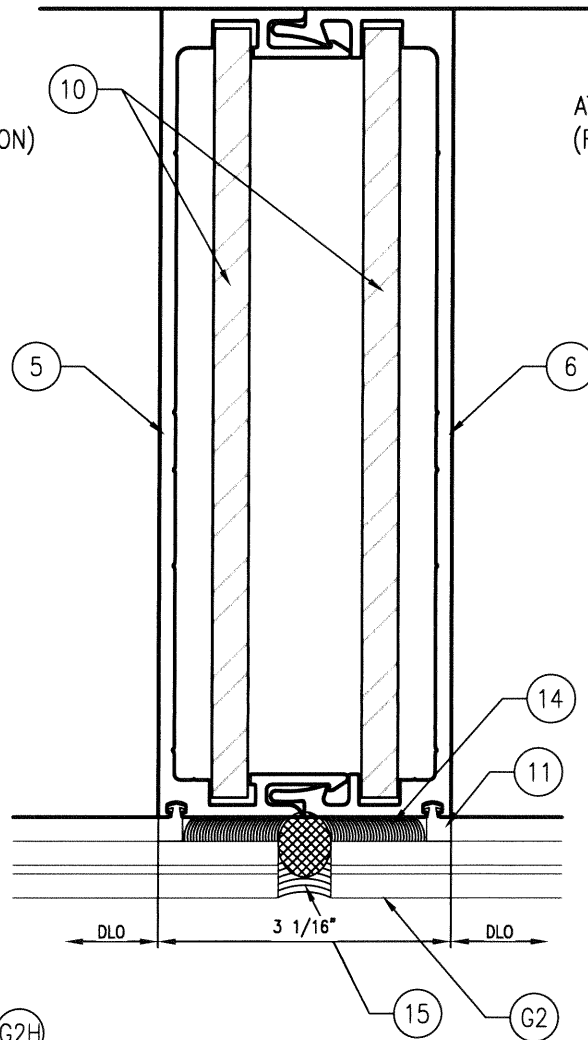
 SUN METALS 5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666					
PRODUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL			PART OR ASSEMBLY: DETAILS: STACK JOINT AND HEAD (1-5/16" GLAZING)		
NO	DATE	DESCRIPTION	BY		
REVISIONS					
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CHK BY:					
DRAWING NO.: FL21123.9					
SHEET: 6 OF 13					



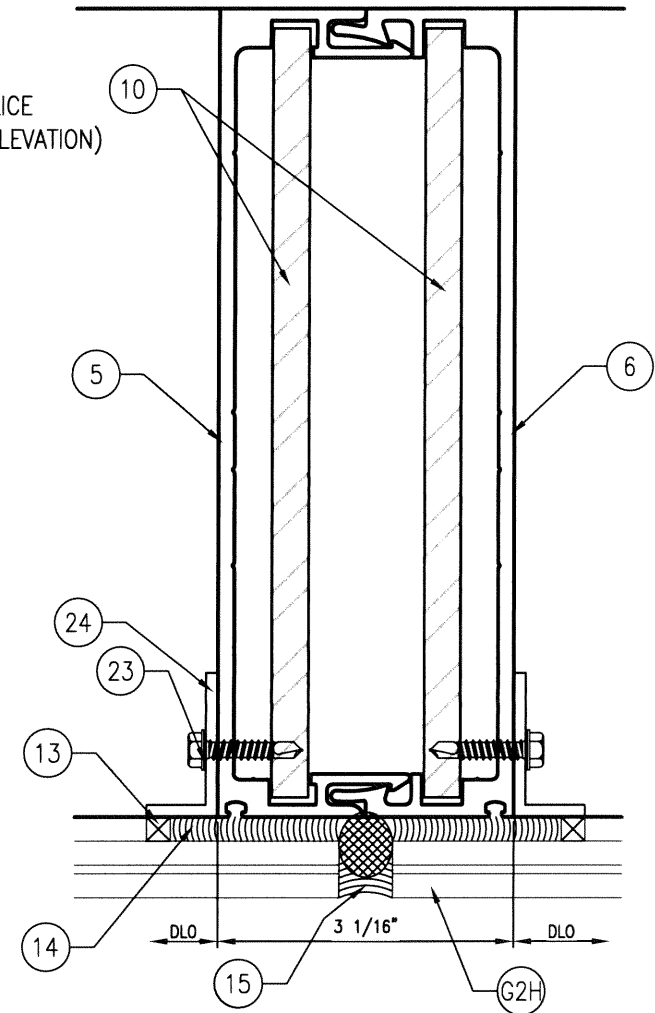
1 JAMB-STANDARD GLAZING
±100 PSF Scale: 6" = 1'-0"



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



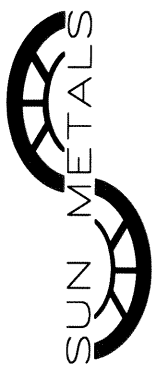
2 MULL - STANDARD GLAZING
NOT USED Scale: 6" = 1'-0"



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



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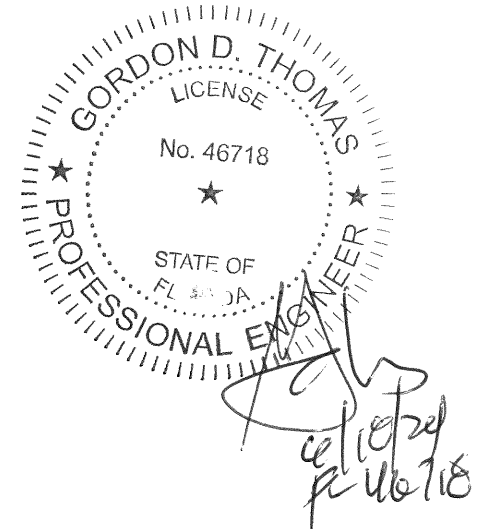
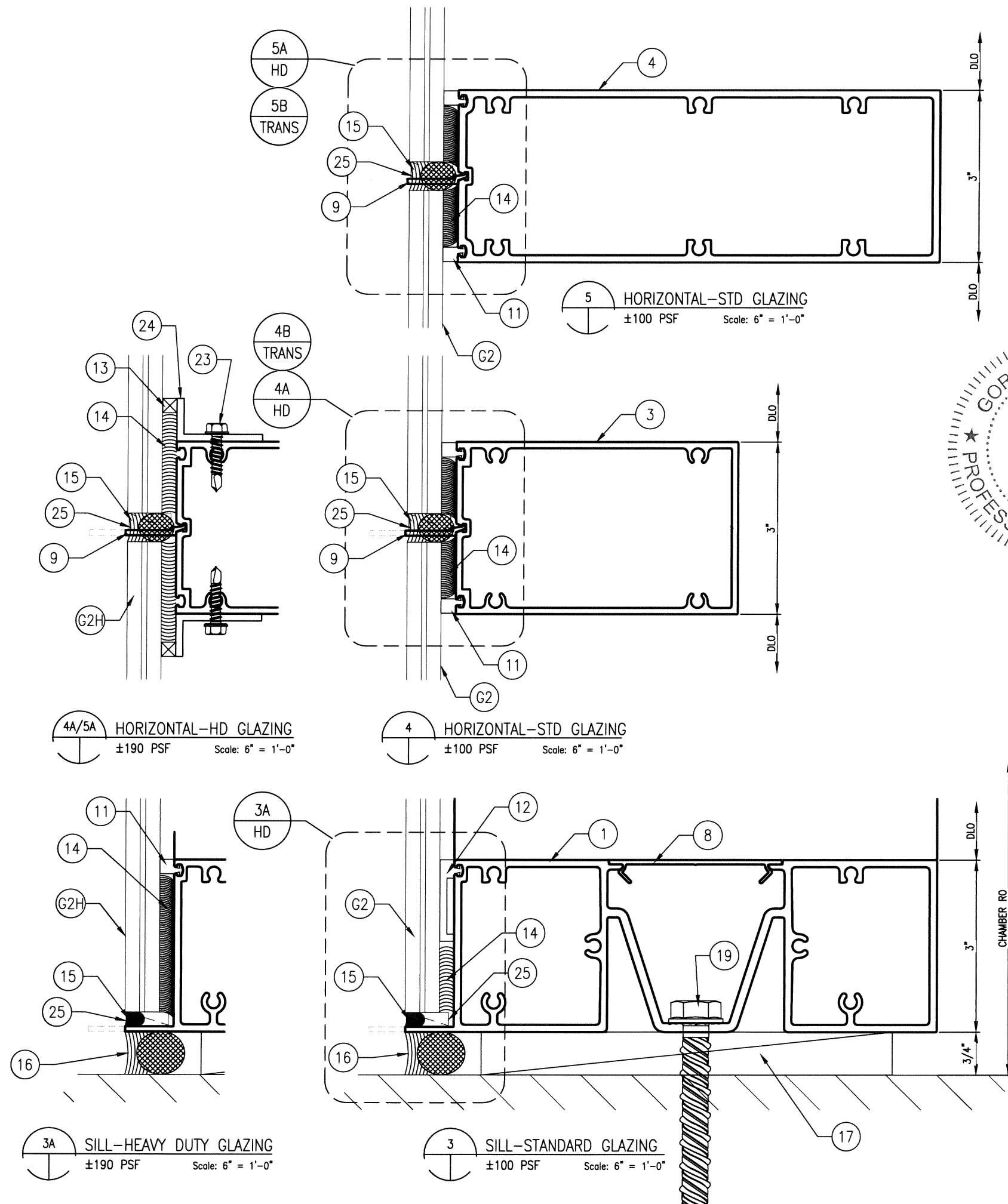


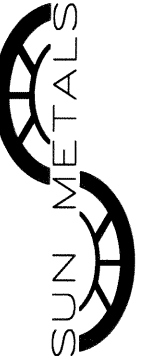
PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

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

NO	DATE	DESCRIPTION	BY

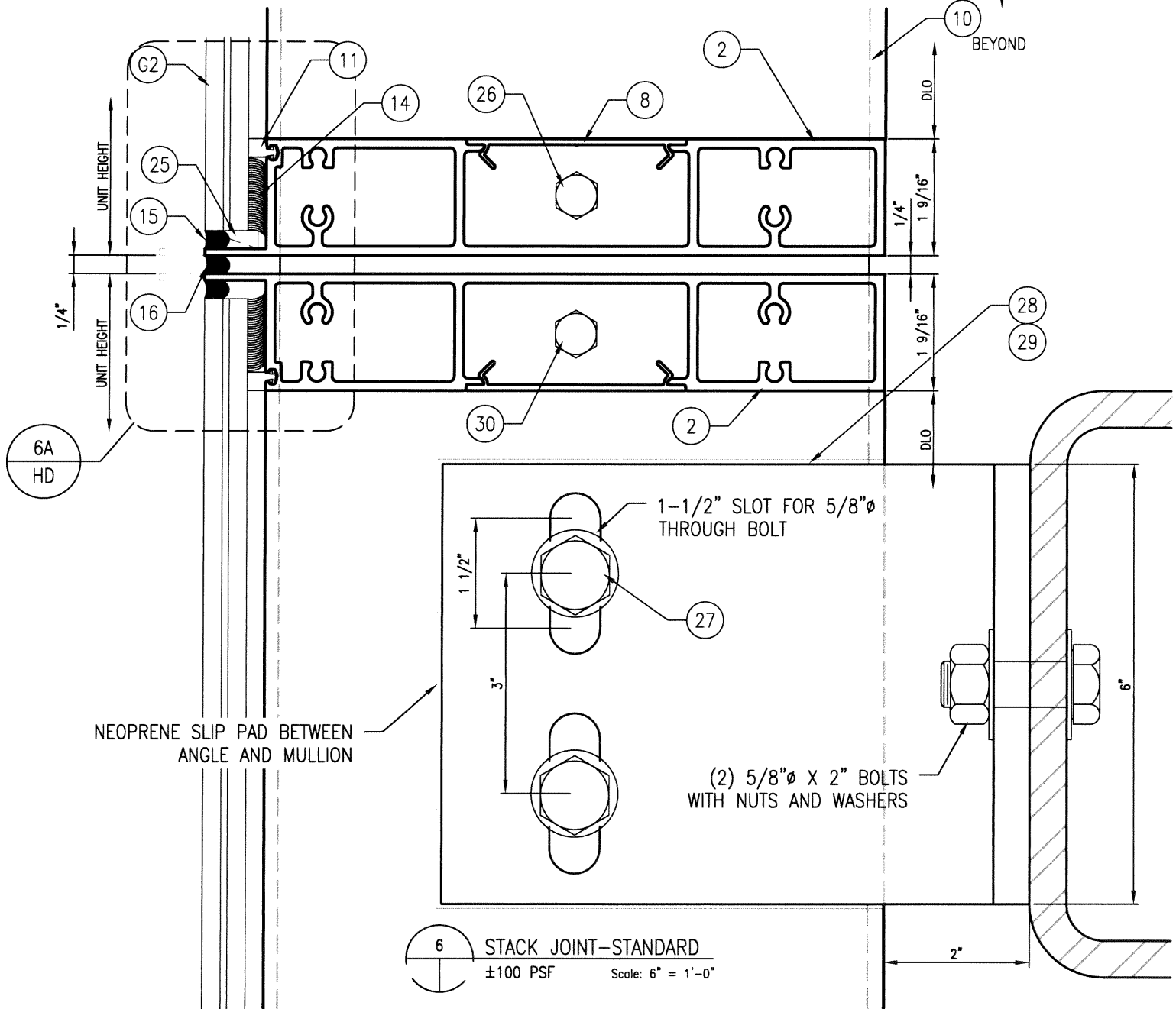
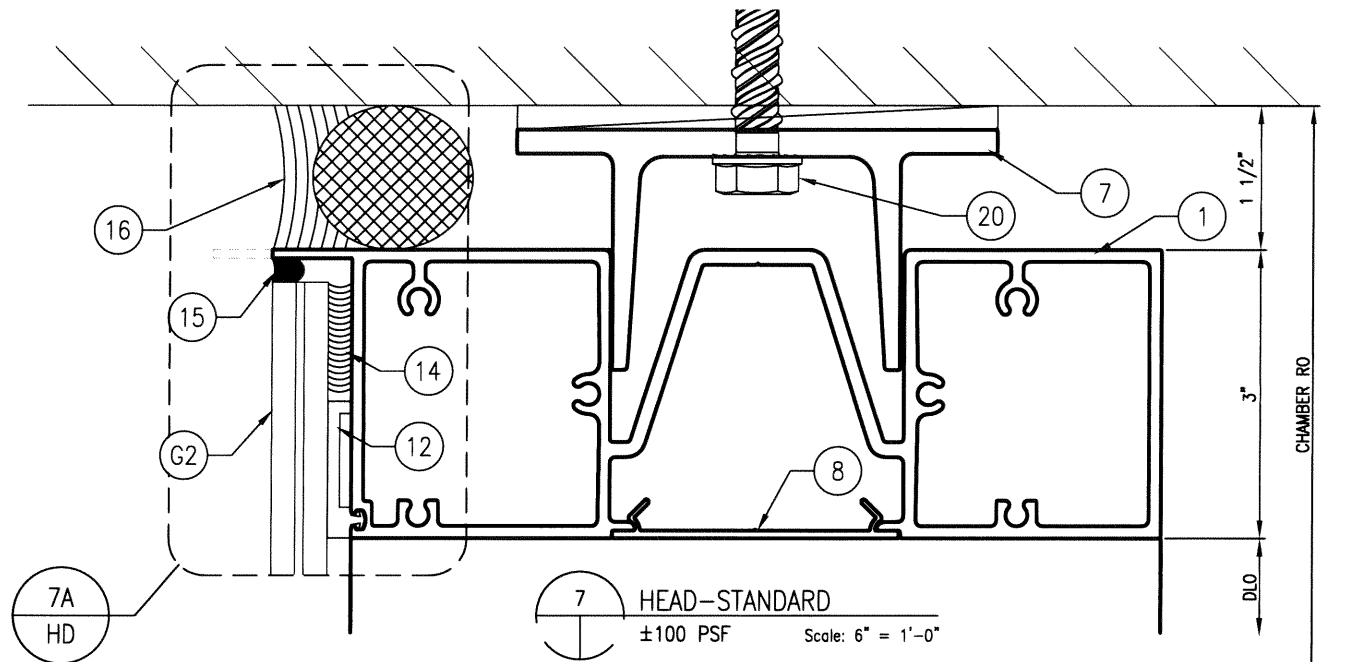
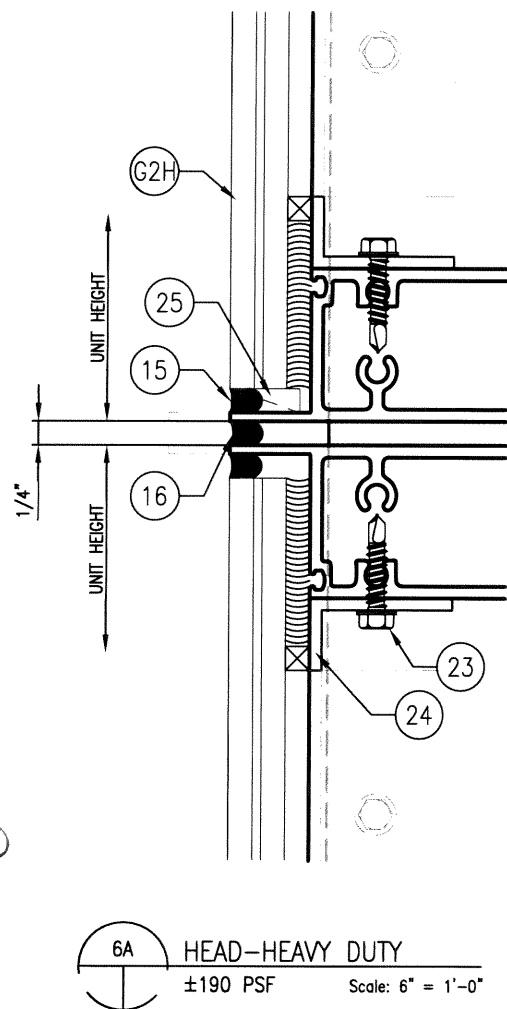
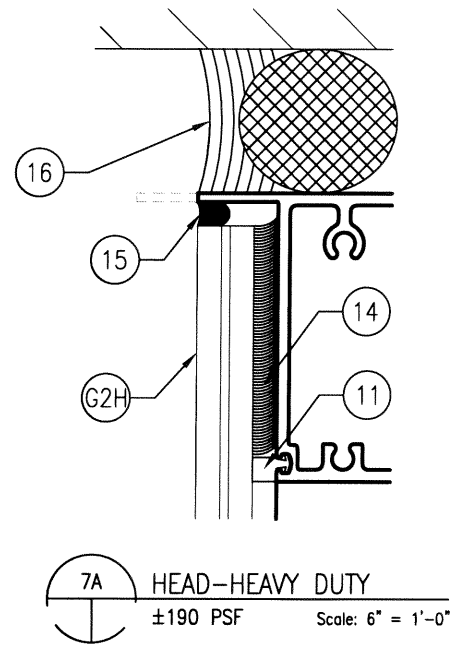
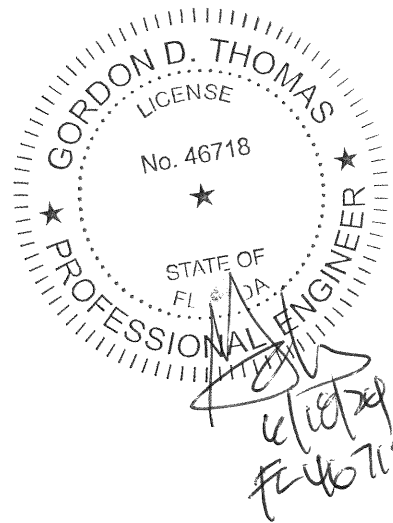
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DWG. BY: ECV
CHK BY:
DRAWING NO.:
FL21123.9
SHEET: 7 OF 13





5008 TAMPA WEST BLVD.
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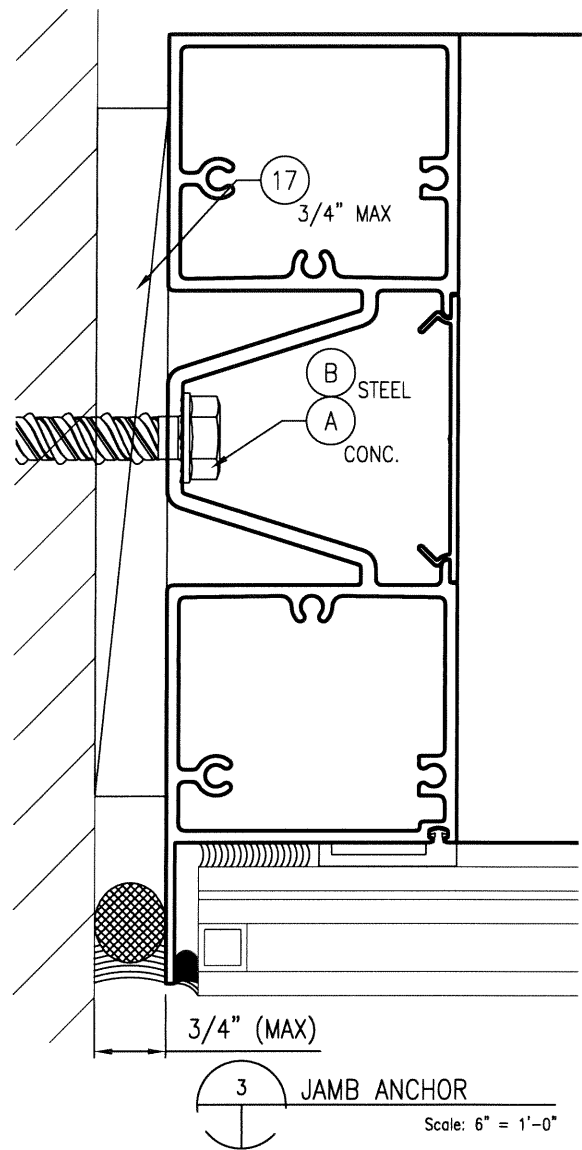
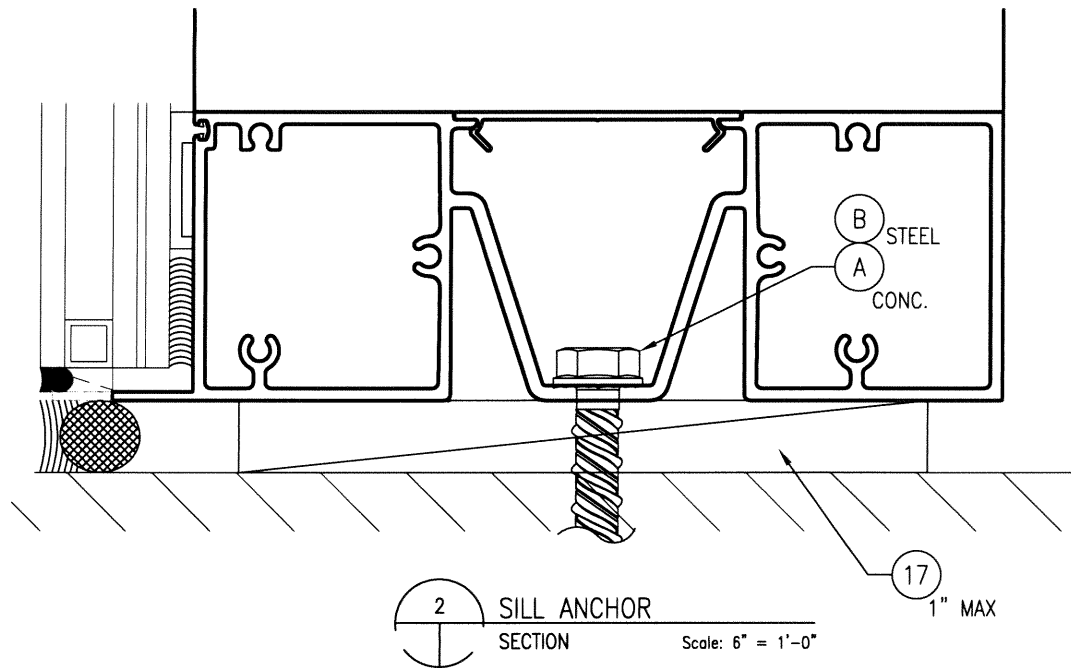
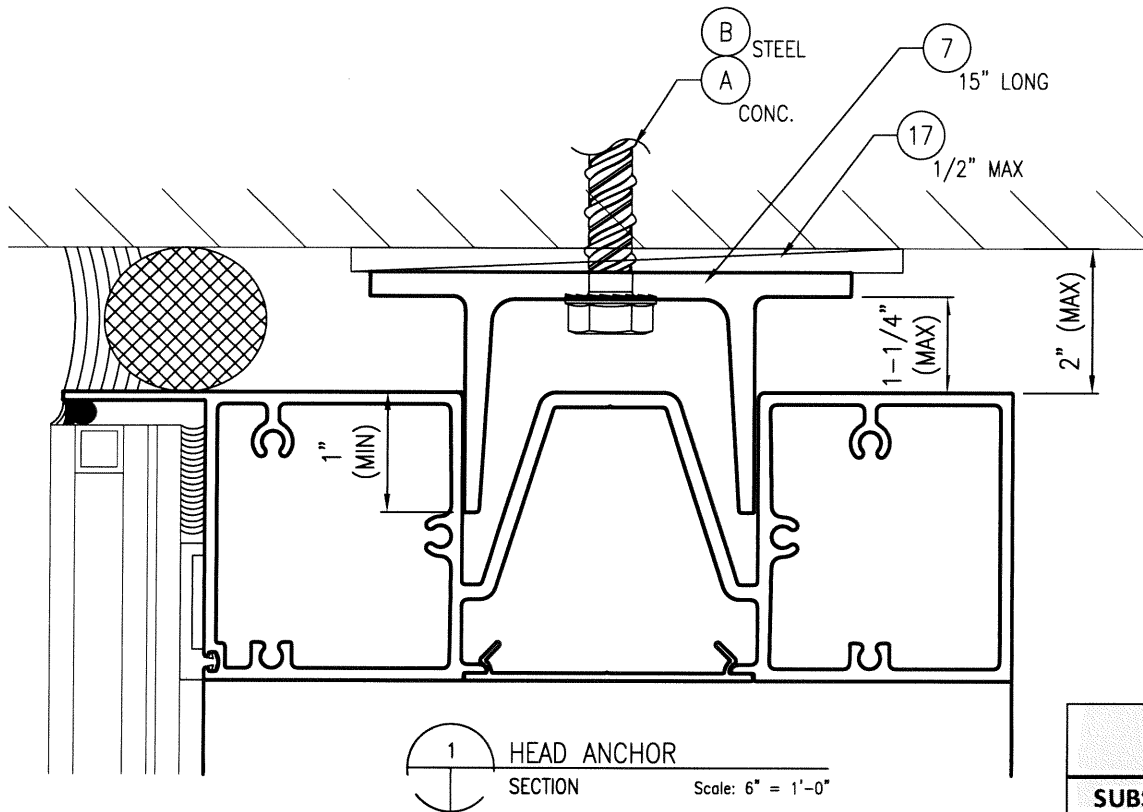
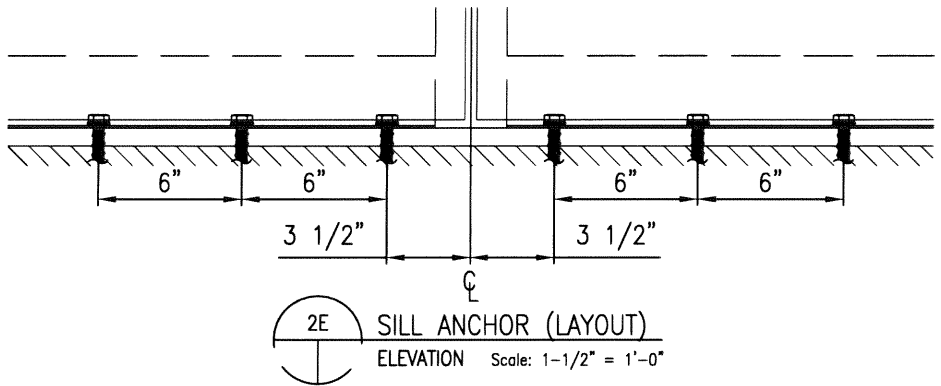
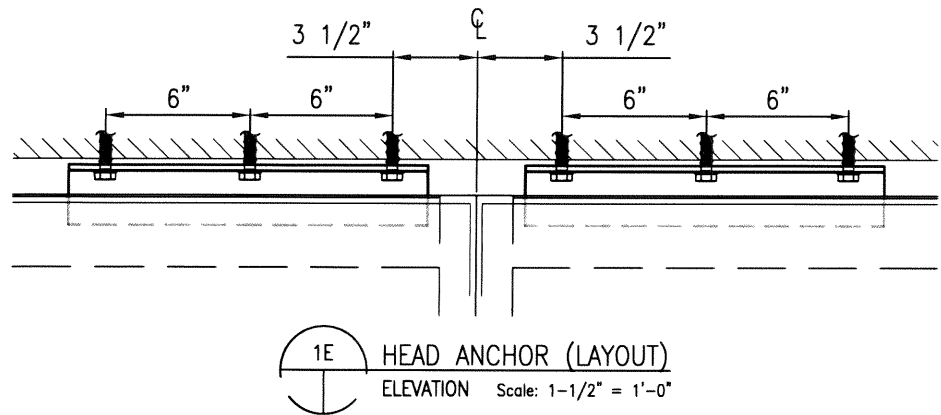
PRODUCT:		SERIES 1050WW MULTI-SPAN CURTAIN WALL	
PART OR ASSEMBLY:		DETAILS: SILL AND HORIZONTALS (9/16" GLAZING)	
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 5/20/24			
SCALE: NA			
DWG. BY: ECV			
CHK BY:			
DRAWING NO.: FL21123.9			
SHEET: 8 OF 13			





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FAX: (813) 886-0666

PRODUCT:		SERIES 1050WW MULTI-SPAN CURTAIN WALL		PART OR ASSEMBLY:		DETAILS: STACK JOINT AND HEAD (9/16" GLAZING)	
NO	DATE	DESCRIPTION	BY	REVISIONS			
DATE: 5/20/24							
SCALE: NA							
DWG. BY: ECV							
CHK BY:							
DRAWING NO.: FL21123.9							
SHEET: 9 OF 13							



GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/18/24
FL 46718

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.

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FAX: (813) 886-0666

SUN METALS

PRODUCT:
SERIES 1050WW MULTI-SPAN
CURTAIN WALL

PART OR ASSEMBLY:
ANCHOR SCHEDULE

NO	DATE	DESCRIPTION	BY

DATE: 5/20/24

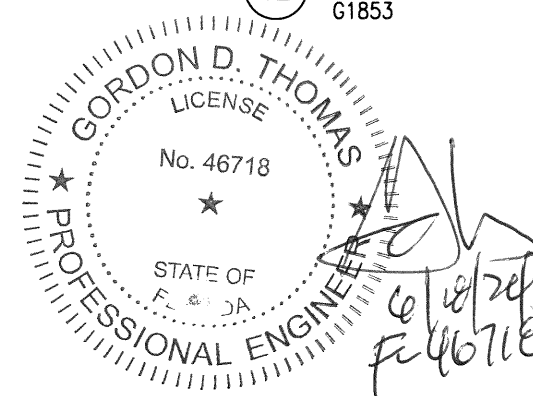
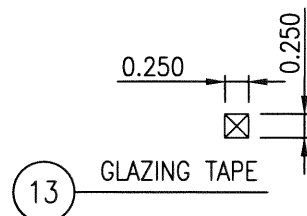
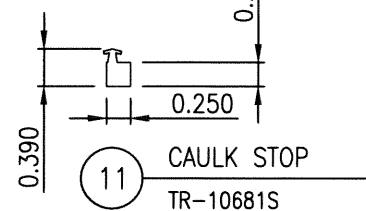
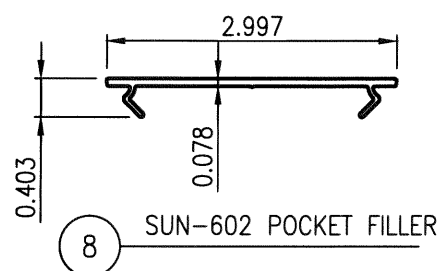
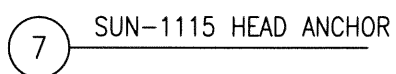
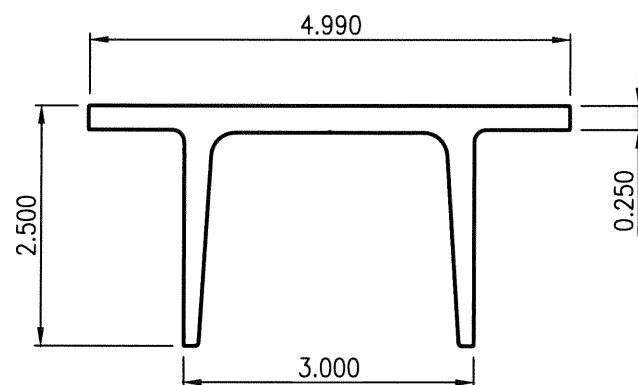
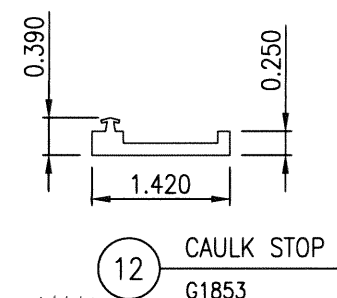
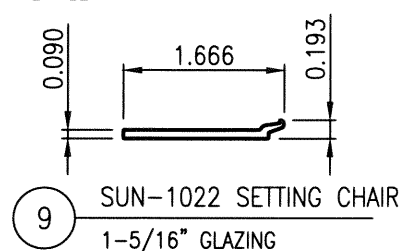
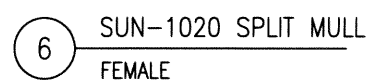
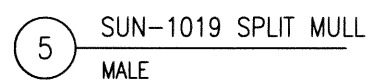
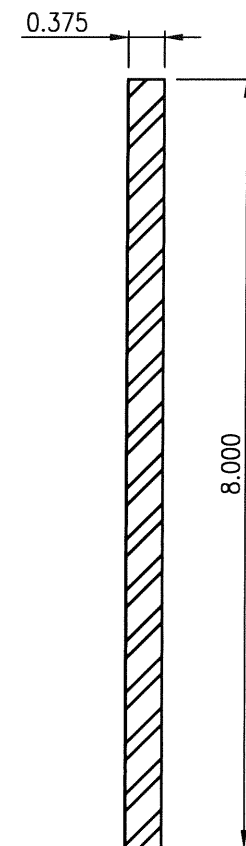
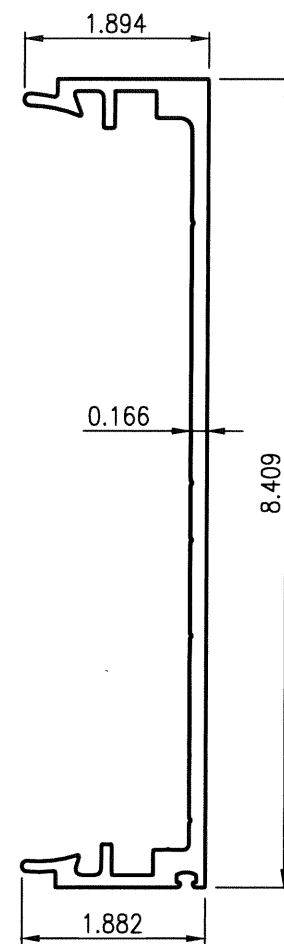
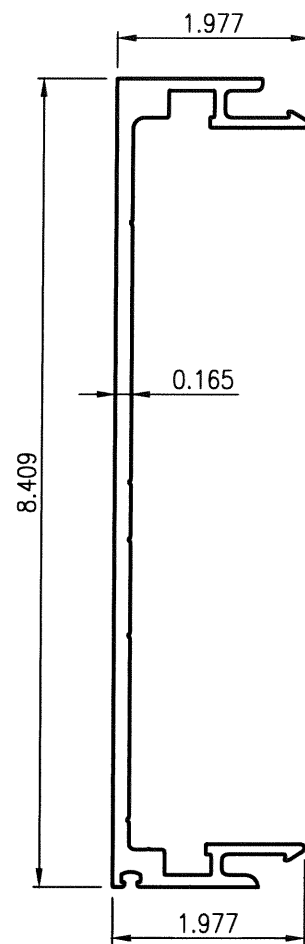
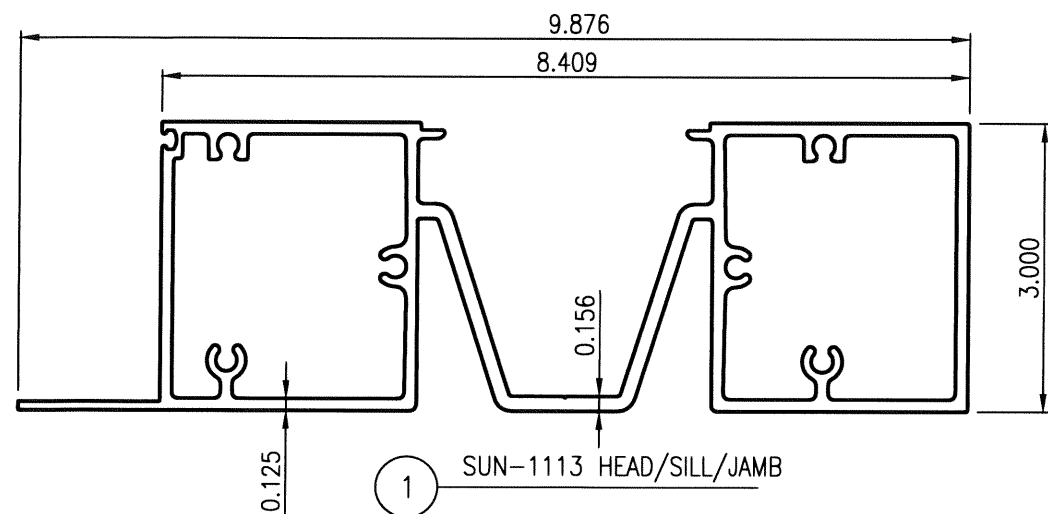
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DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL21123.9

SHEET: 10 OF 13



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

PRODUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL

PART OR ASSEMBLY:

[illegible]

DATE: 5/20/24

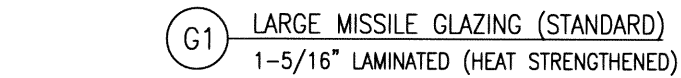
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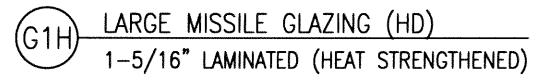
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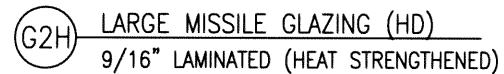
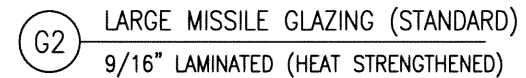
SHEET: **11** OF **13**



1. IF GLAZING IS TO BE CONSIDERED IN A HAZARDOUS LOCATION PER FBC 2406.4.3, THE EXTERIOR LITE SHALL BE TEMPERED.

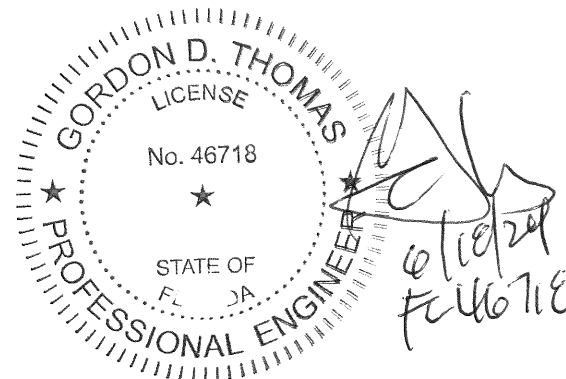
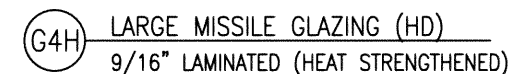


1. IF GLAZING IS TO BE CONSIDERED IN A HAZARDOUS LOCATION PER FBC 2406.4.3, THE EXTERIOR LITE SHALL BE TEMPERED.



(G3H) LARGE MISSILE GLAZING (HD)
1-5/16" LAMINATED (HEAT STRENGTHENED)

1. IF GLAZING IS TO BE CONSIDERED IN A HAZARDOUS LOCATION PER FBC 2406.4.3, THE EXTERIOR LITE SHALL BE TEMPERED.



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PRODUCT:
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CURTAIN WALL

PART OR ASSEMBLY: GLAZING CONDITIONS

[illegible]

DATE: 5/20/24

SCALE: NA

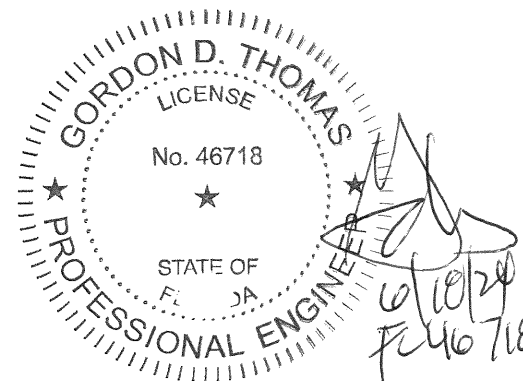
DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL21123.9

SHEET: **12** OF **13**

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-10681S	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 1-1/2" 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 /0.090 SGP / 1/4" HS
G2/G2H		9/16" LAMINATED GLASS		VARIES	1/4" HS /0.090 SGP / 1/4" HS
G3H		1-5/16" INSULATED-LAMINATED GLASS		VARIES	1/4" HS - 1/2" SPACER - 1/4" HS /0.120 SGP / 1/4" HS
G4H		9/16" LAMINATED GLASS		VARIES	1/4" HS /0.120 SGP / 1/4" HS



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DUCT: SERIES 1050WW MULTI-SPAN CURTAIN WALL

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