

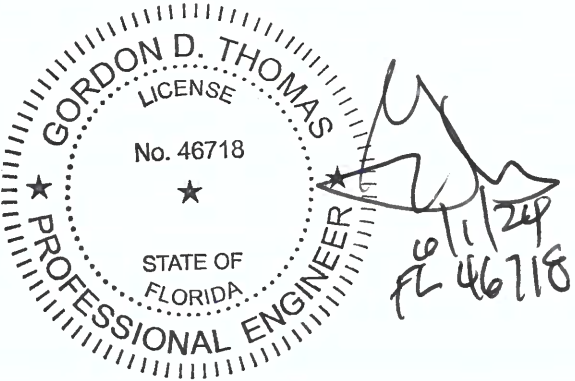
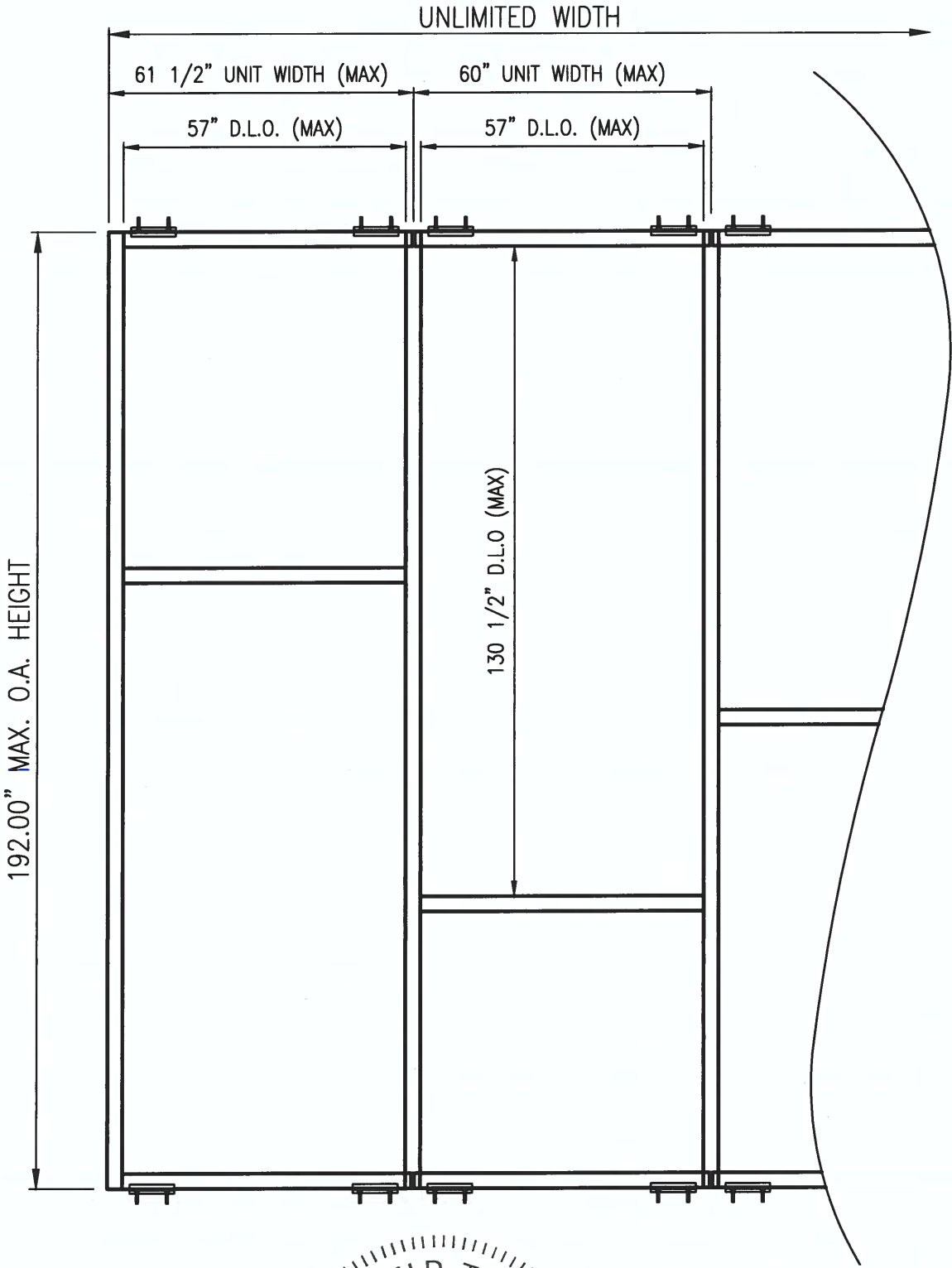
SERIES 1050T CAPTURED ALUMINUM
FIXED WINDOW WALL
THERMALLY BROKEN
"LARGE MISSILE IMPACT"

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".

INDEX TO DRAWINGS	
SHEET #	DESCRIPTION
1	INDEX TO DRAWINGS, DESING PRESSURES AND GENERAL NOTES
2	E1 - REINFORCED ELEVATION
3	E2 - NON REINFORCED ELEVATION
4	VERTICAL CROSS SECTIONS
5	HORIZONTAL CROSS SECTIONS (1 5/16" GLAZING)
6	COMPONENTS
7	BILL OF MATERIAL, GLAZING DETAILS AND ANCHOR SCHEDULE

1050 WINDOW WALL DESIGN PRESSURE TABLE						
MAX UNIT HEIGHT	MAX UNIT WIDTH	REINFORCED	GLAZING TYPE	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
192"	48"	YES	G1	45" x 130.5"	+140	-140
192"	60"	NO	G1	57" x 130.5"	+60	-60



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

SUN METALS

PRODUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
GENERAL NOTES
ELEVATION AND DESIGN PRESSURES

NO	DATE	DESCRIPTION	BY
1	5/20/24	UPDATE TO 8TH ED. (2023) FBC	ECV

DATE: 3/7/23

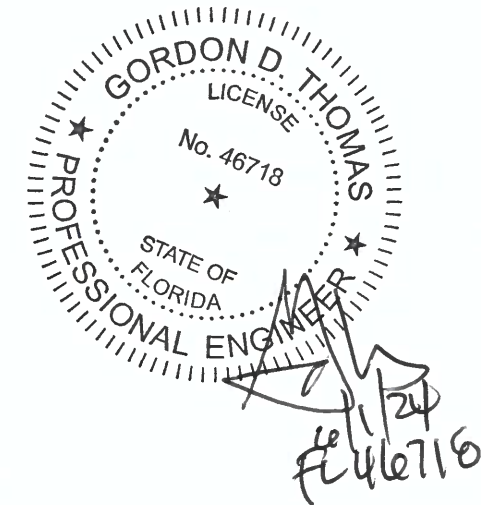
SCALE: NA

DWG. BY: ECV

CHK BY: -

DRAWING NO.:
FL21123.5

SHEET: 1 OF 7



REF ANCHOR
SCHEDULE

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

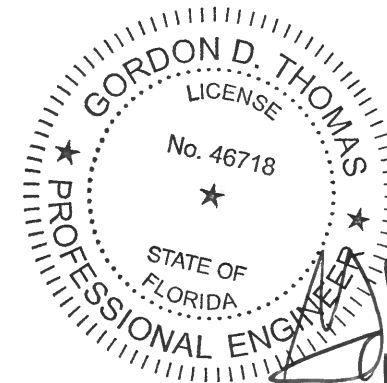
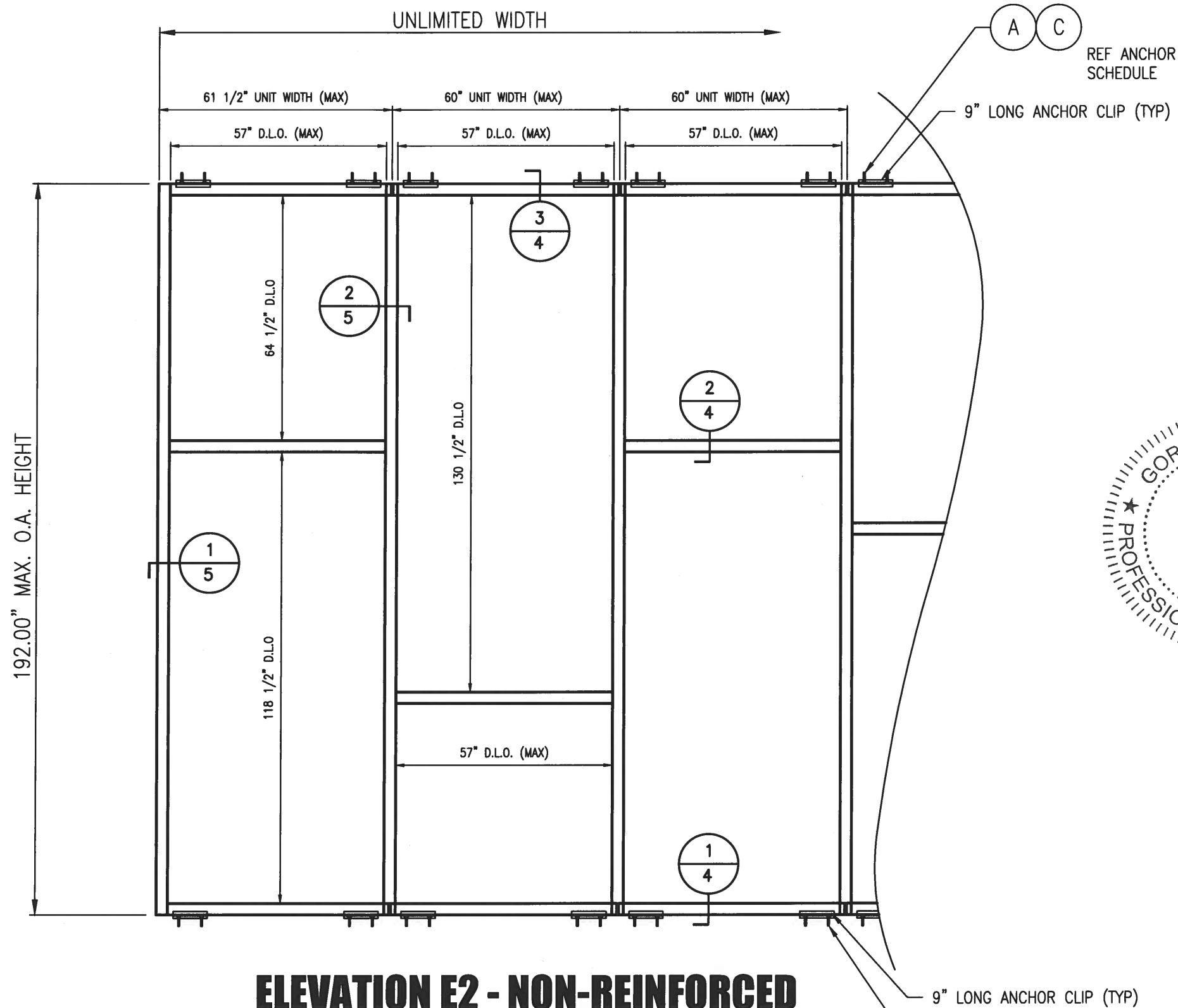


PRODUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY: **REINFORCED ELEVATION**

[illegible]

SHEET: 2 OF 7



6/1/24
FL 46718

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PHONE: (813) 889-0718
FAX: (813) 886-0866



PRODUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
NON-REINFORCED ELEVATION

NO	DATE	DESCRIPTION	BY
1	5/20/24	UPDATE TO 8TH ED. (2023) FBC	ECV

DATE: 3/7/23

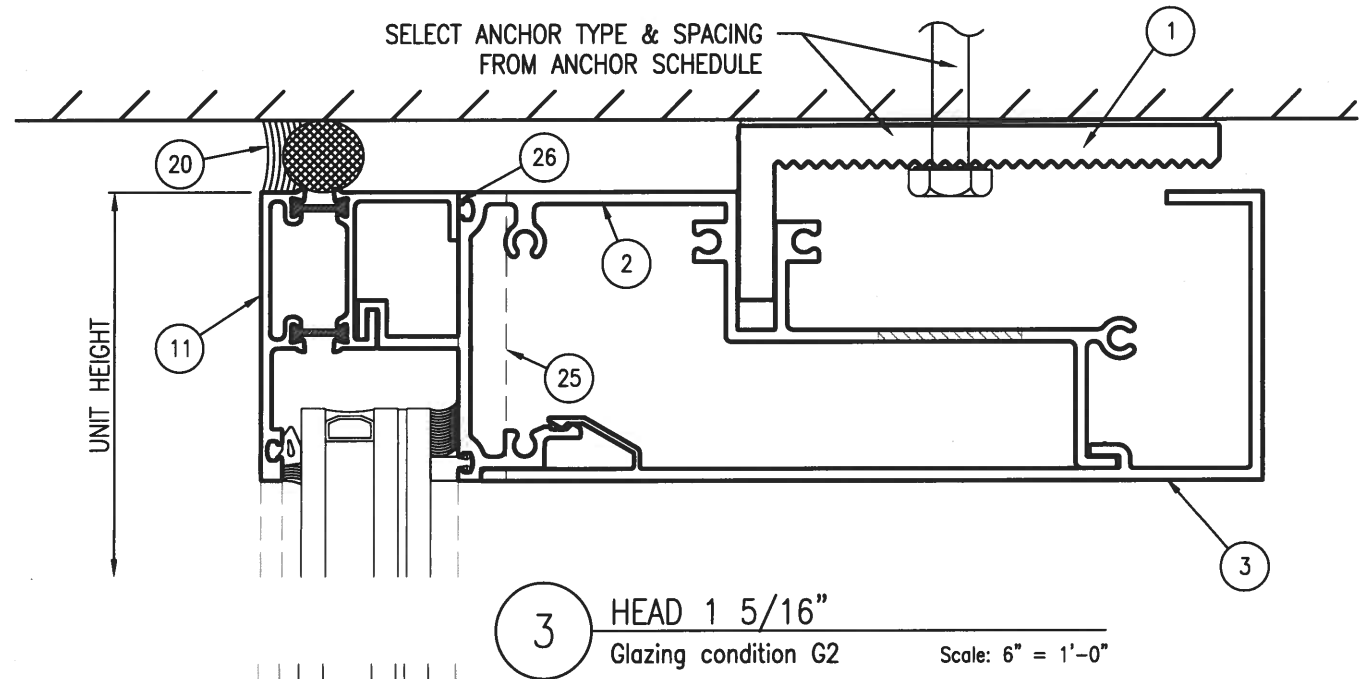
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DWG. BY: ECV

CHK BY: -

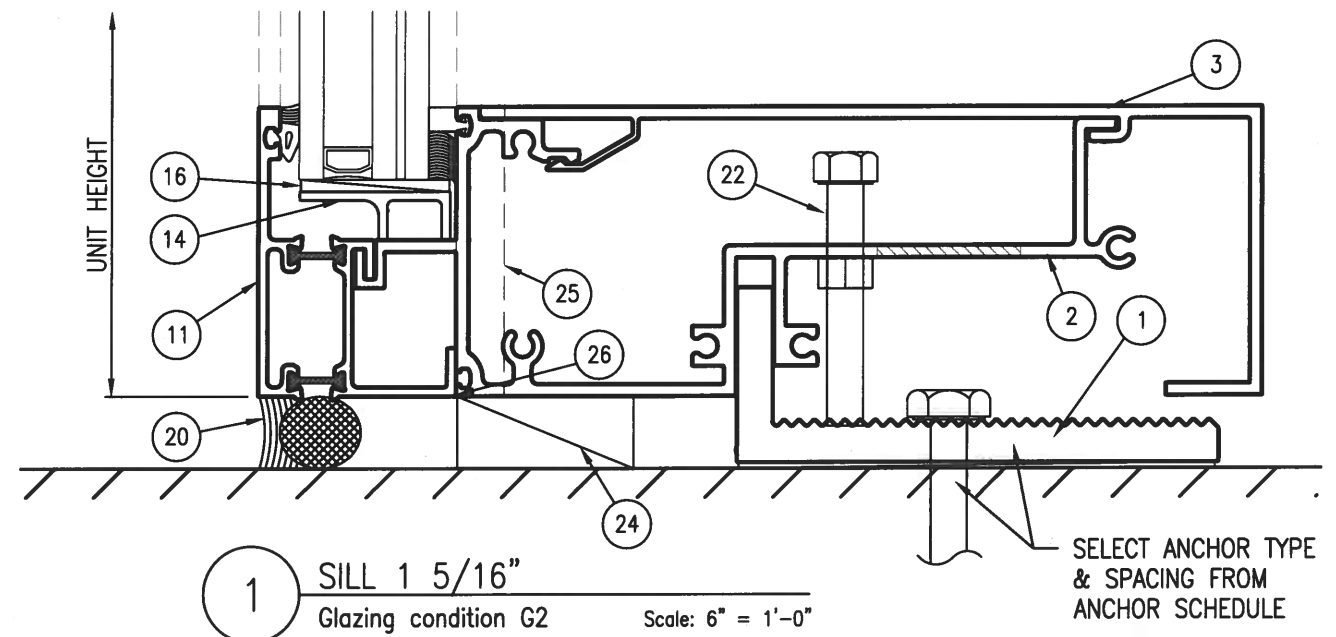
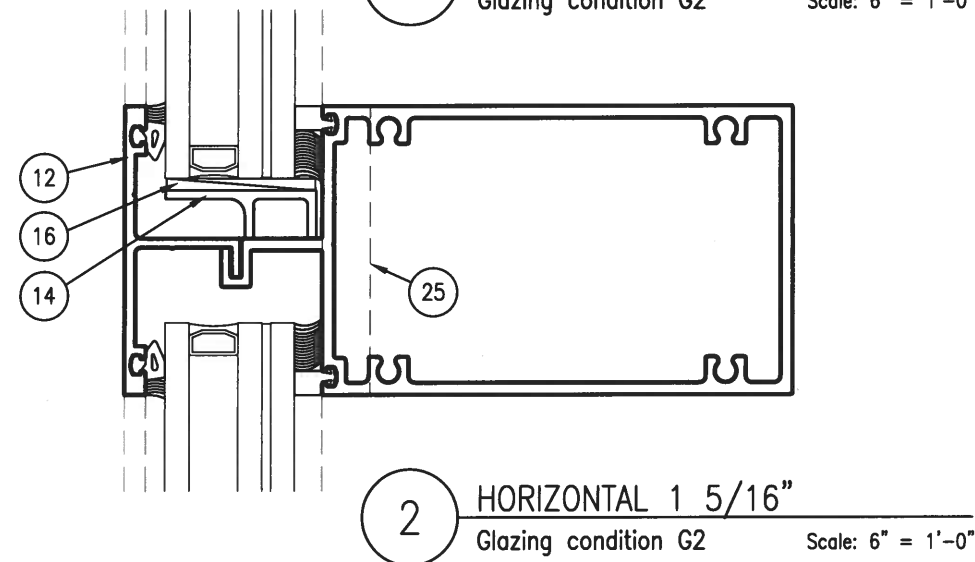
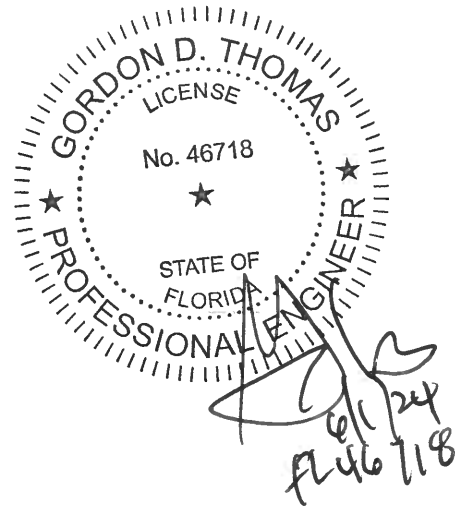
DRAWING NO.:
FL21123.5

SHEET: 3 OF 7



NOTES:

1. FRAME HEAD, SILL AND HORIZONTALS ARE ATTACHED TO JAMBS/MULLIONS AT EACH END WITH 1/4" X 1-1/2" PH SMS.
2. REFERENCE SHEET 8 FOR GLAZING DETAILS.



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TAMPA, FLORIDA 33634
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PRODUCT:
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LARGE MISSILE IMPACT

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO	DATE	DESCRIPTION	BY
1	5/20/24	UPDATE TO 8TH ED. (2023) FBC	ECV

DATE: 3/7/23

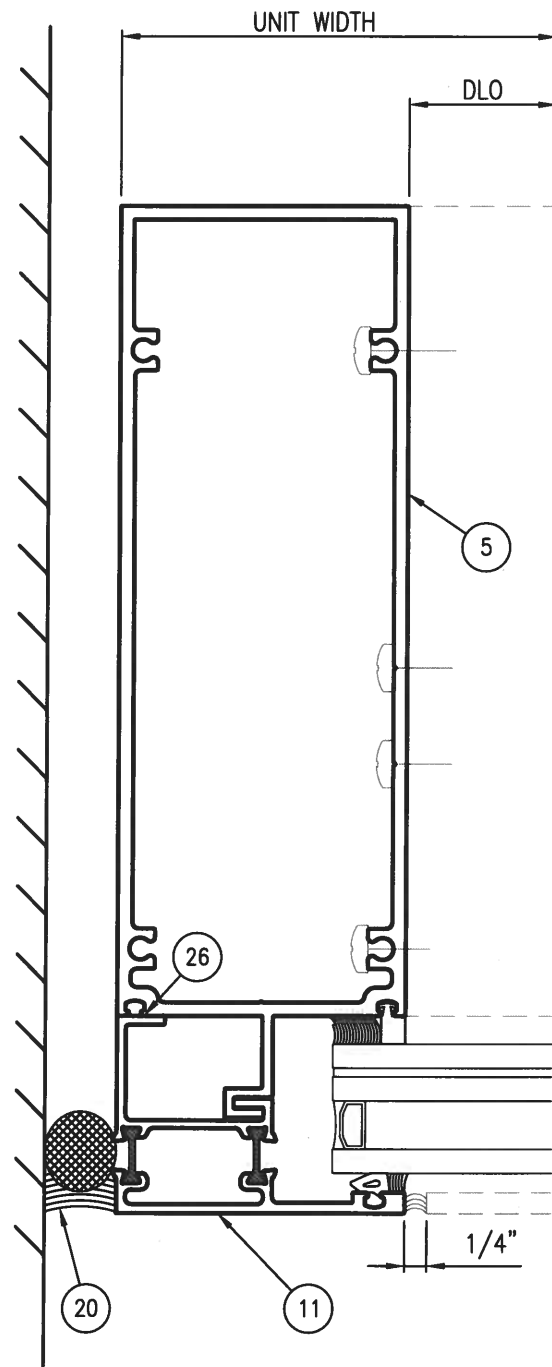
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DWG. BY: ECV

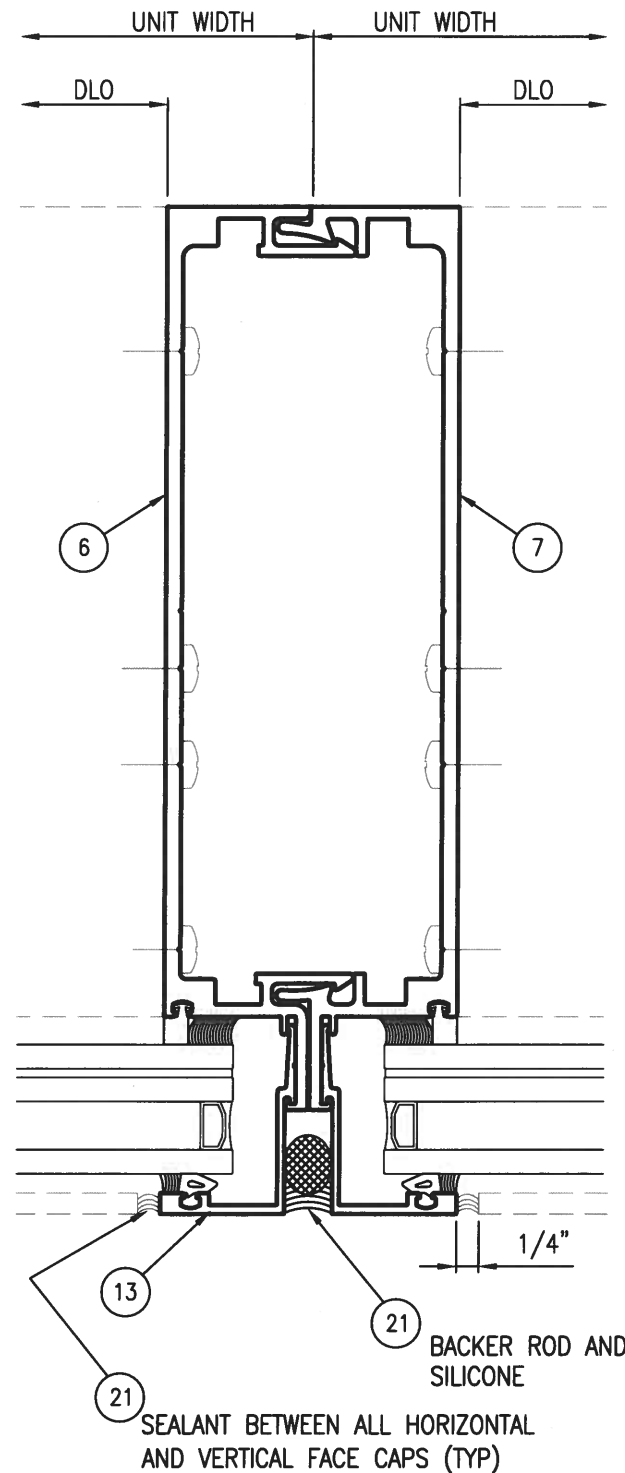
CHK BY: -

DRAWING NO.:
FL21123.5

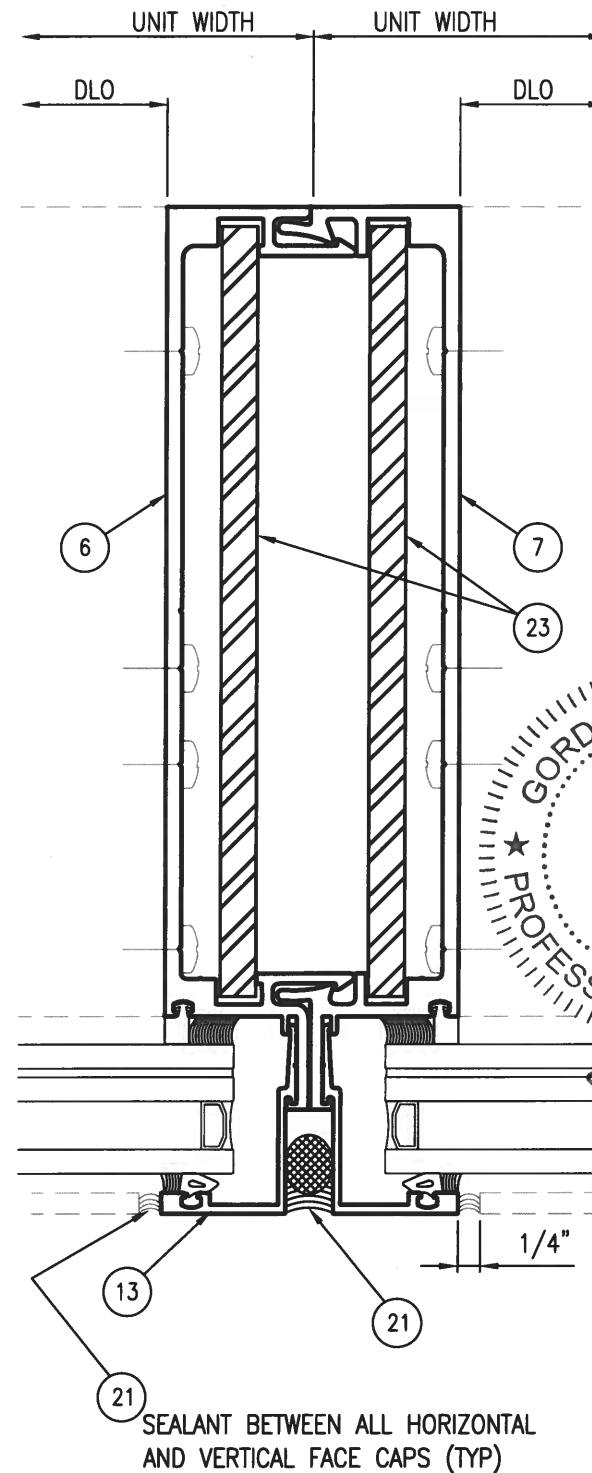
SHEET: 4 OF 7



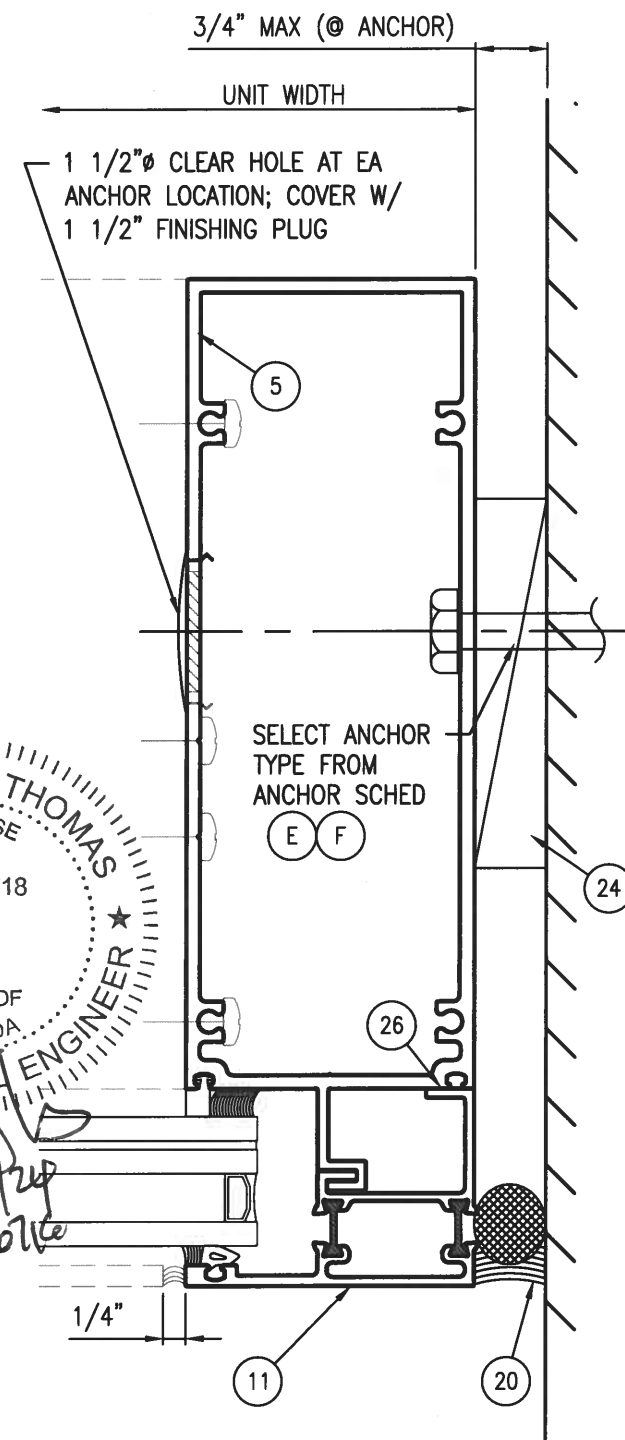
1 UNANCHORED JAMB
Glazing condition G2 Scale: 6" = 1'-0"



2 UNREINFORCED MULLION
Glazing condition G2 Scale: 6" = 1'-0"



3 REINFORCED MULLION
Glazing condition G2 Scale: 6" = 1'-0"



4 ANCHORED JAMB
Glazing condition G2 Scale: 6" = 1'-0"

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PRODUCT:
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LARGE MISSILE IMPACT

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTION
1 5/16" GLAZING

NO	DATE	DESCRIPTION	BY
1	5/20/24	UPDATE TO 8TH ED. (2023) FBC	ECV

DATE: 3/7/23

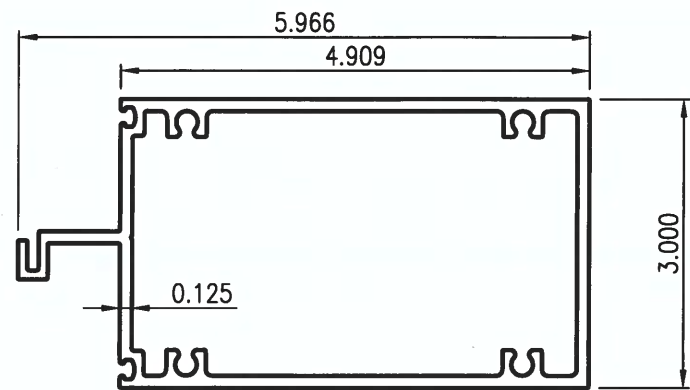
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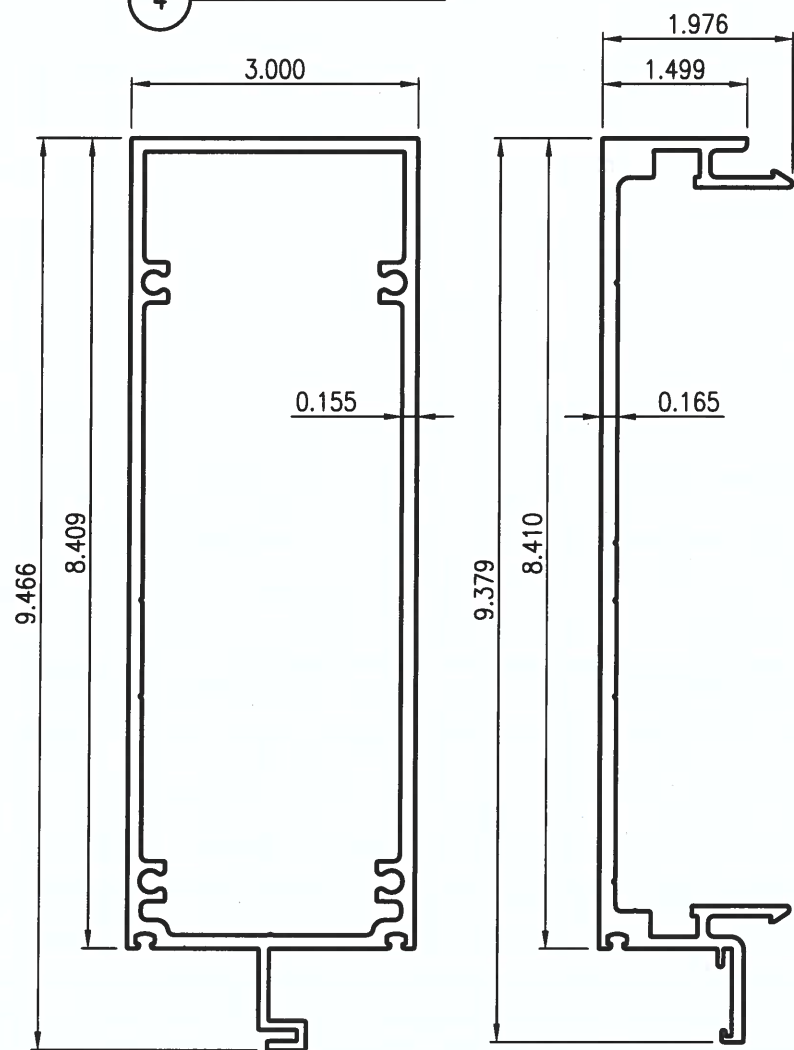
CHK BY: -

DRAWING NO.:
FL21123.5

SHEET: 5 OF 7

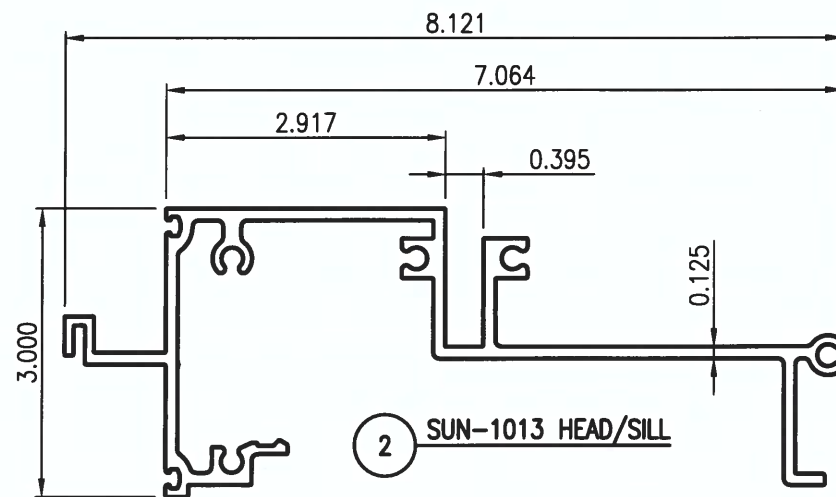


4 SUN-605 HORIZONTAL

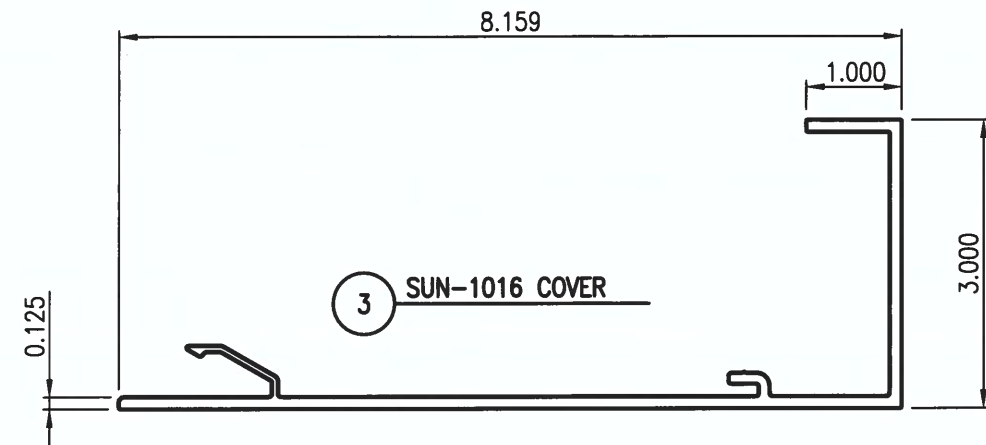


5 SUN-1001 JAMB

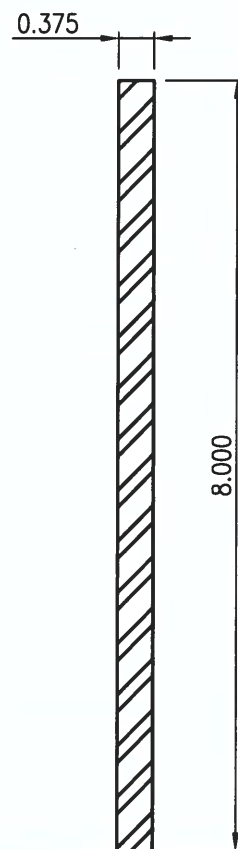
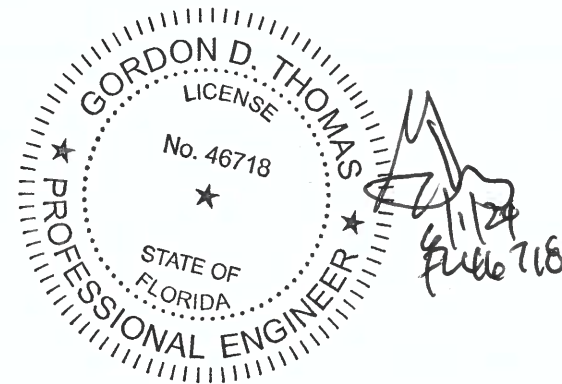
6 SUN-1009 SPLIT MULL
MALE



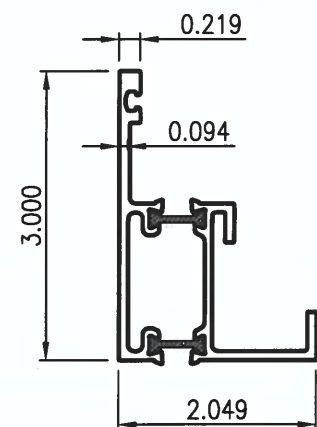
2 SUN-1013 HEAD/SILL



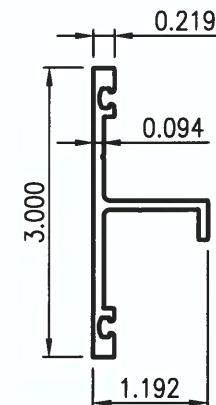
3 SUN-1016 COVER



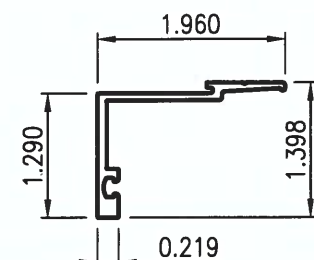
23 STEEL REINFORCING
8" X 3/8" BAR



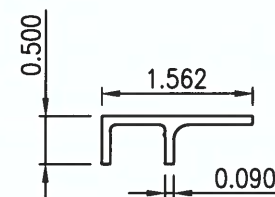
11 SUN-466 FACE CAP
1-5/16" GLAZING



12 SUN-437 FACE CAP
1-5/16" GLAZING



13 SUN-4071 FACE CAP
1-5/16" GLAZING



14 SUN-435 SETTING CHAIR



18 WEDGE GASKET

[illegible]

DATE: 3/7/23

SCALE: NA

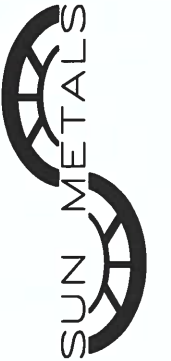
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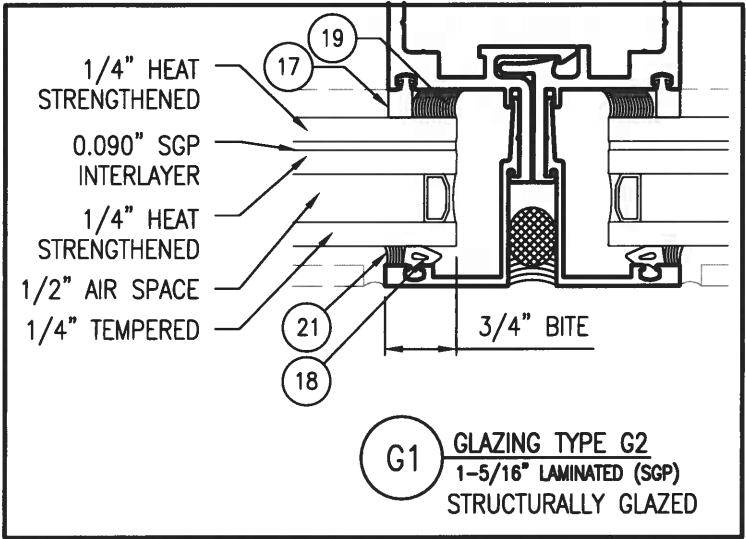
CHK BY: —

DRAWING NO.:
FL21123.5

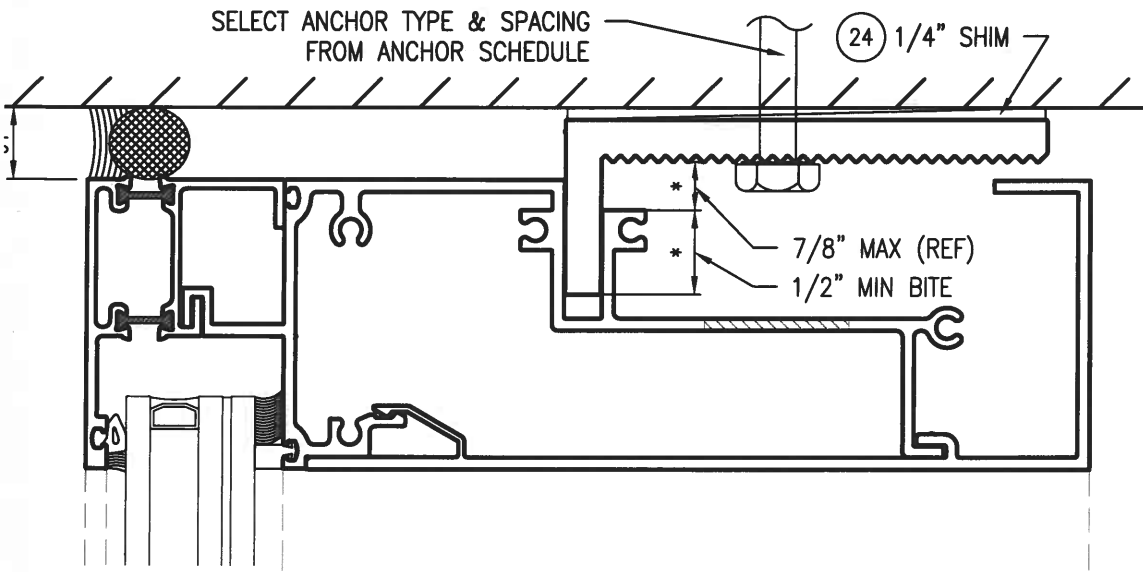
SHEET: 6 OF 7

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TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666**





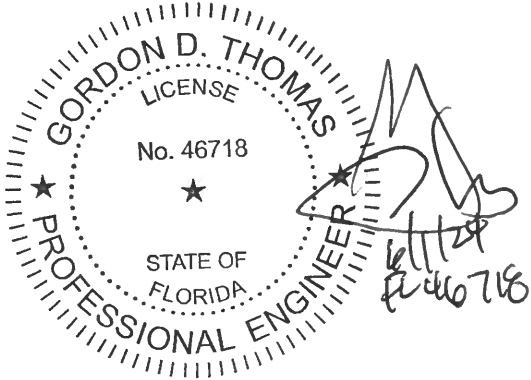
ANCHOR SCHEDULE		
PRIMARY HEAD AND SILL ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	1/2" Powers Wedge Bolt with 2" min embedment, 3" minimum edge distance and 6" minimum spacing. Minimum clip length 9". Concrete is 3,000 PSI minimum conforming to ACI 301.
	B	1/2" Powers Wedge Bolt with 3" min embedment, 3" minimum edge distance and 9" spacing. Minimum clip length 12". Concrete is 3,000 PSI minimum conforming to ACI 301.
STEEL	C	1/2" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer. Minimum clip length 9".
	D	1/2" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer. Minimum clip length 12".
JAMB ANCHORS		
CONCRETE	E	1/2" Powers Wedge Bolt with 2" min embedment and 3" minimum edge distance. Concrete is 3,000 PSI minimum conforming to ACI 301.
STEEL	F	1/2" Carbon Steel GR5 Bolt. Drill and tap into 1/4" steel (min) or clear hole with nut and lock washer.



1 FRAME ANCHOR HEAD
Glazing condition G1
Scale: 6" = 1'-0"

NOTE: ANCHOR CONDITIONS SHOWN FOR HEAD
APPLY TO SIMILARLY APPLY TO SILL CONDITION

BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-1015	ANCHOR CLIP	6005-T5	SUN METALS	
2	SUN-1013	HEAD/ SILL	6063-T6	SUN METALS	
3	SUN-1016	INTERIOR HEAD/ SILL TRIM COVER	6063-T5	SUN METALS	
4	SUN-605	HORIZONTAL	6063-T6	SUN METALS	
5	SUN-1001	JAMB	6005-T5	SUN METALS	
6	SUN-1009	MALE SPLIT MULLION	6005-T5	SUN METALS	
7	SUN-1010	FEMALE SPLIT MULLION	6005-T5	SUN METALS	
11	SUN-466	FACE CAP (1-5/16" GLAZING)	6063-T6	SUN METALS	
12	SUN-437	FACE CAP (1-5/16" GLAZING)	6063-T6	SUN METALS	
13	SUN-4071	FACE CAP (1-5/16" GLAZING)	6063-T6	SUN METALS	
14	SUN-435	SETTING CHAIR	6063-T5	SUN METALS	
16		SETTING BLOCK	SILICONE	VARIES	1/8" SETTING BLOCK (4" LONG)
17	TR-10681S	CAULK STOP	SILICONE	TREMCO	
18		WEDGE	EPDM	TREMCO	
19	DOW 983	STRUCTURAL SILICONE	SILICONE	DOW CORNING	
20		PERIMETER WEATHERSEAL	SILICONE	DOW CORNING	DOW 790, 791, 795 OR APPROVED EQ.
21	DOW 795	PERIMETER CAP BEAD WEATHERSEAL	SILICONE	DOW CORNING	
22		3/8" x 2 1/2" HEX HEAD BOLT AND NUT		VARIES	TEMP LEVELING BOLT
23	3/8" X 8"	STEEL BAR REINFORCING	A36	VARIES	STEEL
24		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
25	SM5601	TAPE SEALANT		SCHNEE MOREHEAD	
26	SM5504	SEAM SEALER		SCHNEE MOREHEAD	
27		ALUMINUM SPACER	ALUMINUM		



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PRODUCT:
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LARGE MISSILE IMPACT

PART OR ASSEMBLY:
BILL OF MATERIALS; GLAZING;
DETAILS AND ANCHOR SCHEDULE

NO	DATE	DESCRIPTION	BY
1	5/20/24	UPDATE TO 8TH ED. (2023) FBC	ECV

DATE: 3/7/23

SCALE: NA

DWG. BY: ECV

CHK BY: -

DRAWING NO.:
FL21123.5

SHEET: 1 OF 1