

SERIES 1050T BUTT GLAZED

ALUMINUM FIXED WINDOW WALL

THERMALLY BROKEN

"LARGE MISSILE IMPACT"

GENERAL NOTES:

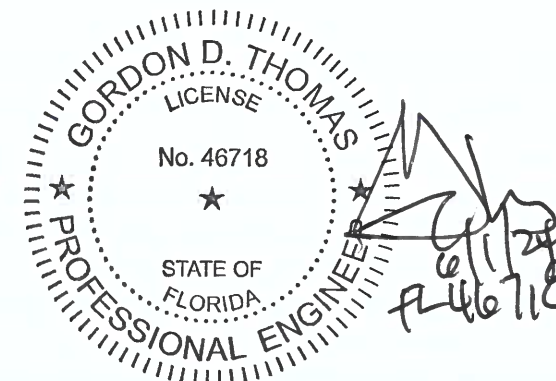
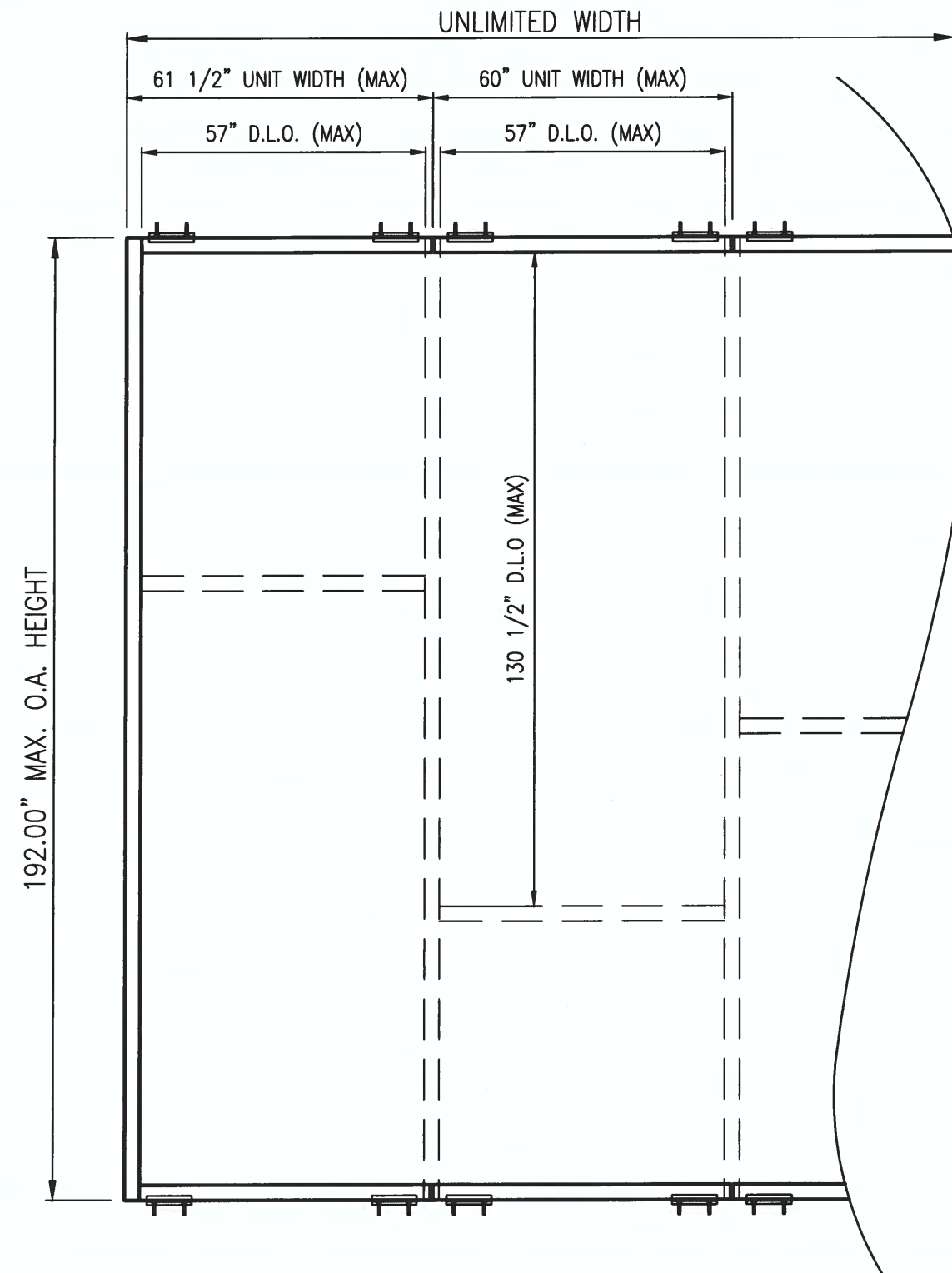
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond 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	G2	45" x 130.5"	+140	-140
192"	60"	NO	G1	57" x 130.5"	+60	-60



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DUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:

GENERAL NOTES

ELEVATION AND DESIGN PRESSURES

[illegible]

DATE: 3/7/23

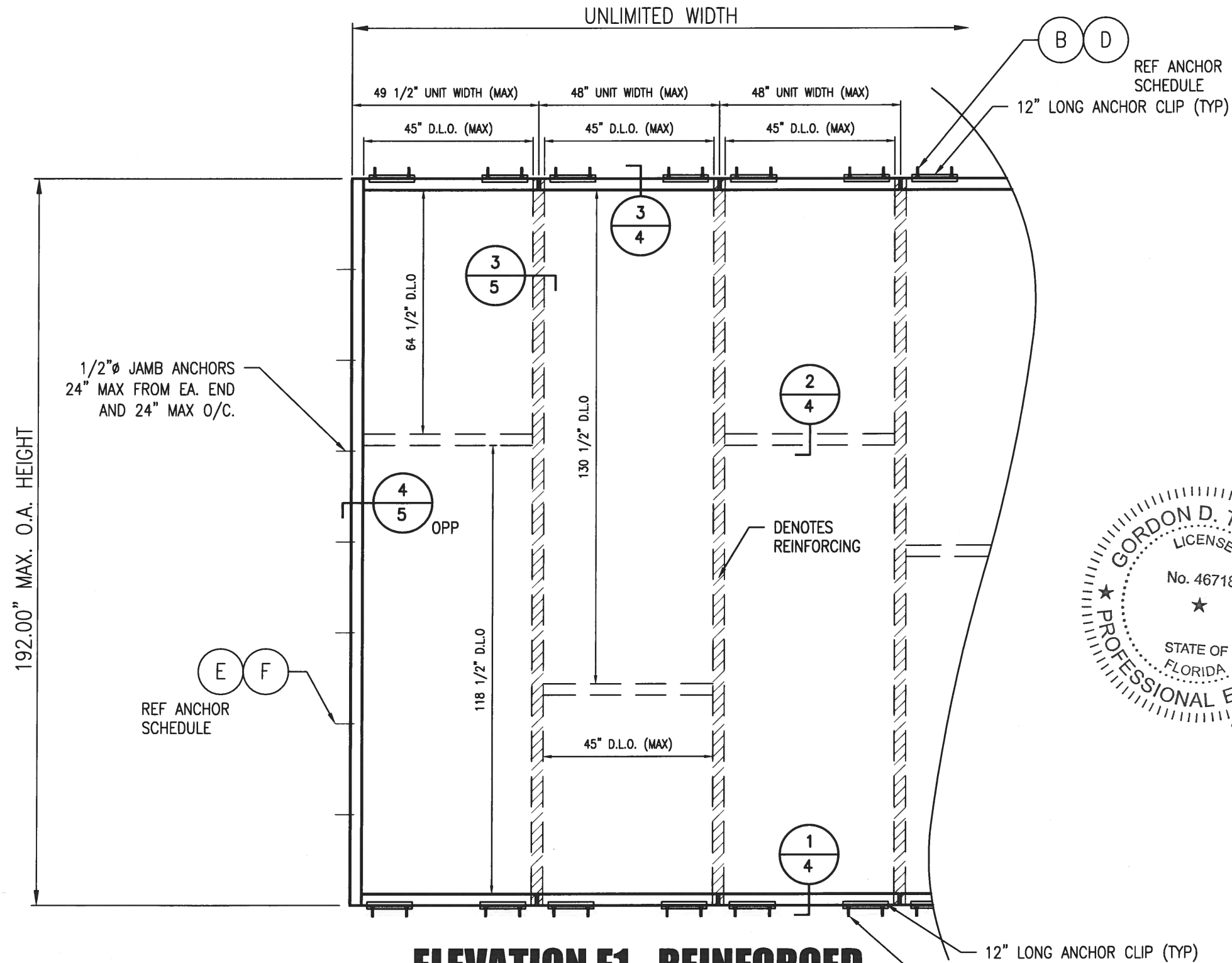
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DWG. BY: ECV

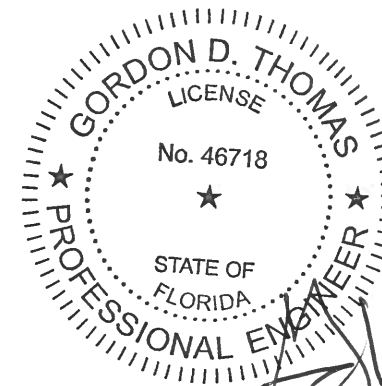
CHK BY: —

DRAWING NO.:
FL21123.7

SHEET: **1** OF **7**



ELEVATION E1 - REINFORCED **±140 PSF**



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PART OR ASSEMBLY:
REINFORCED ELEVATION

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

DATE: 3/7/23

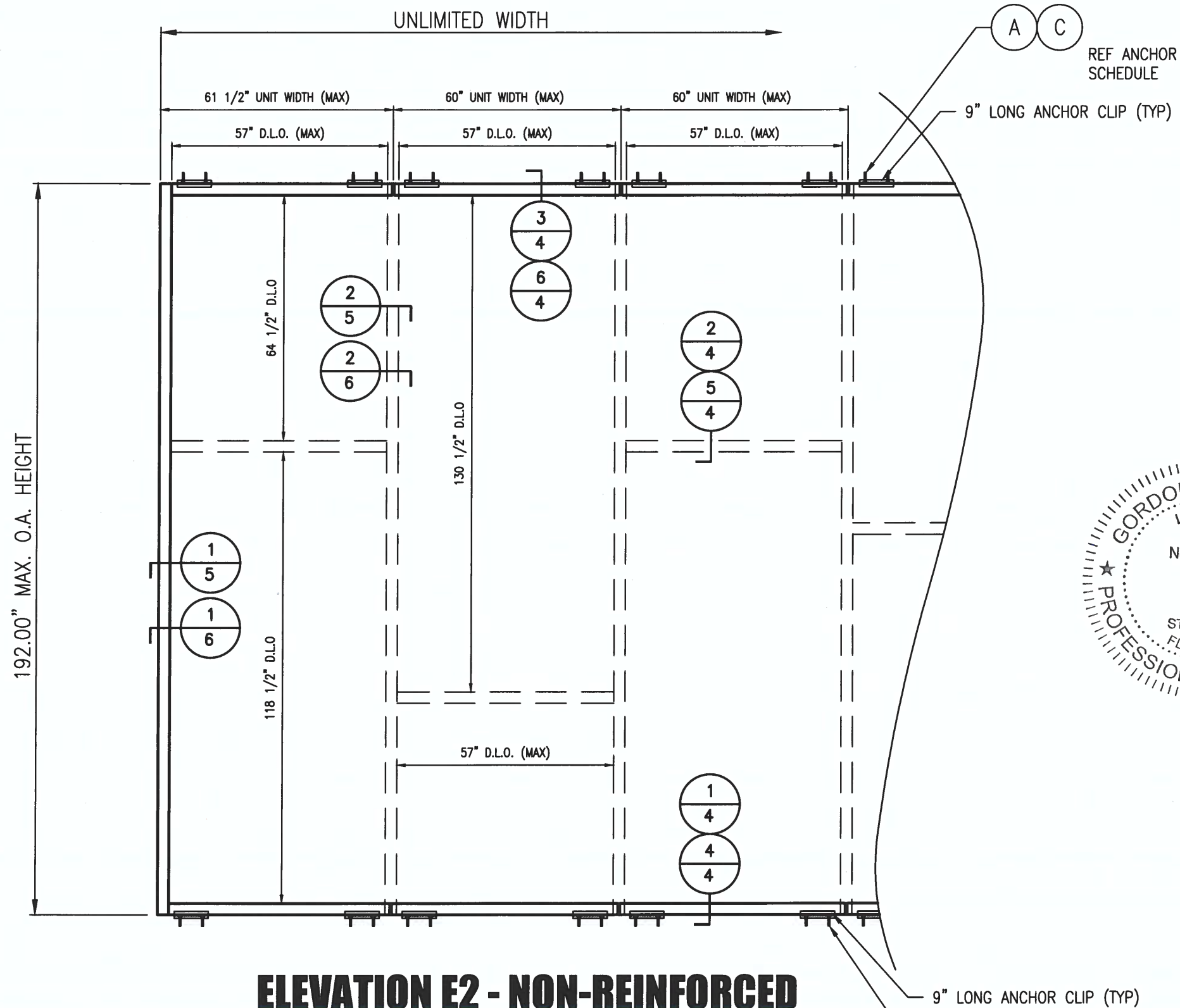
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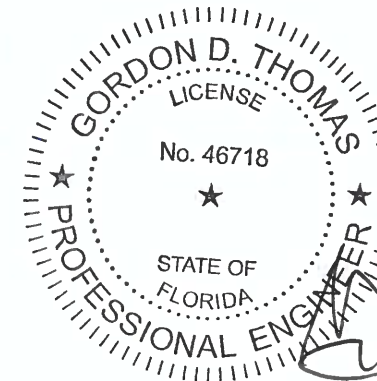
CHK BY: -

DRAWING NO.:
FL21123.7

SHEET: **2** OF **7**



ELEVATION E2 - NON-REINFORCED
+/- 60 PSF



Handwritten signature and date: 5/20/24, FL 46718

SUN METALS

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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
REVISIONS			

DATE: 3/7/23

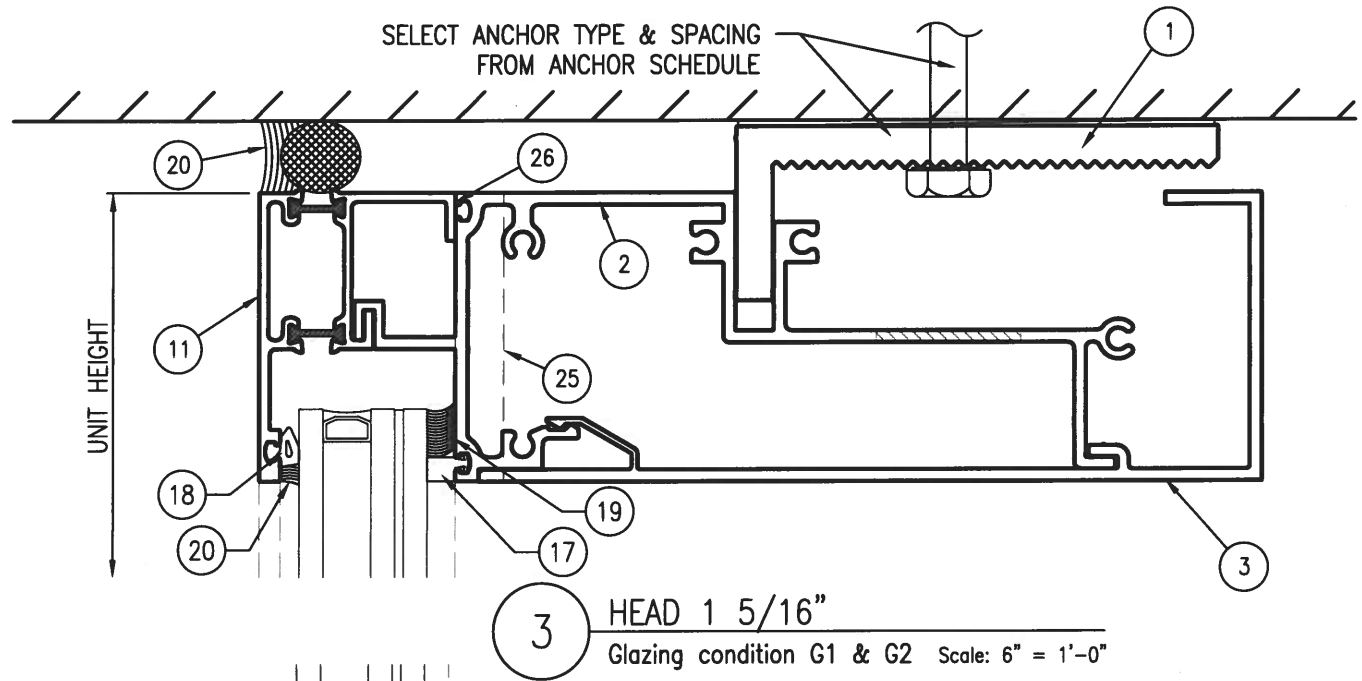
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DWG. BY: ECV

CHK BY: -

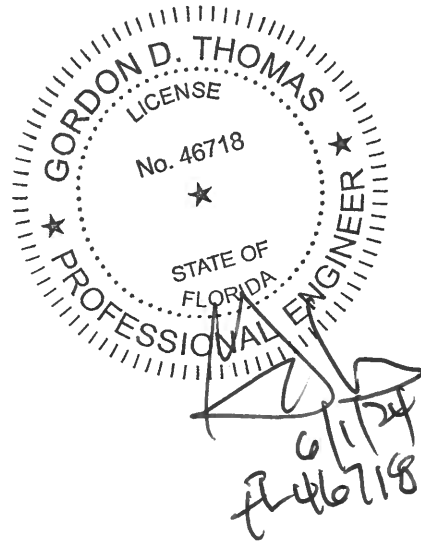
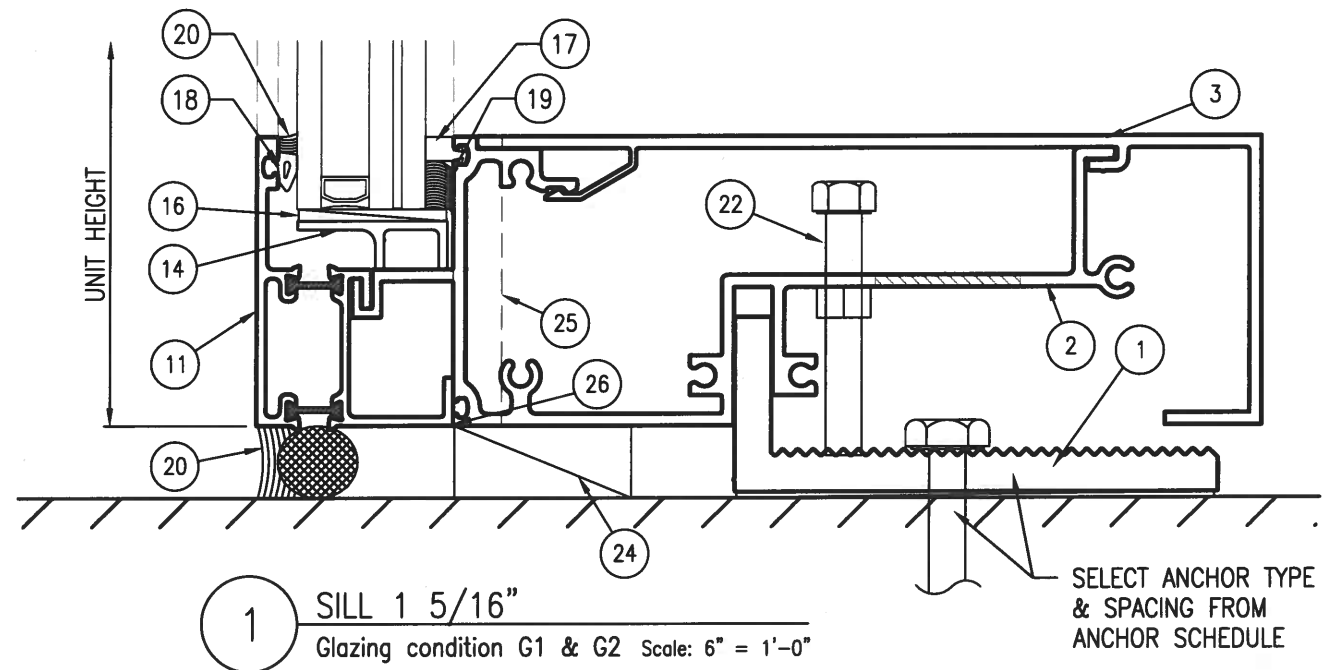
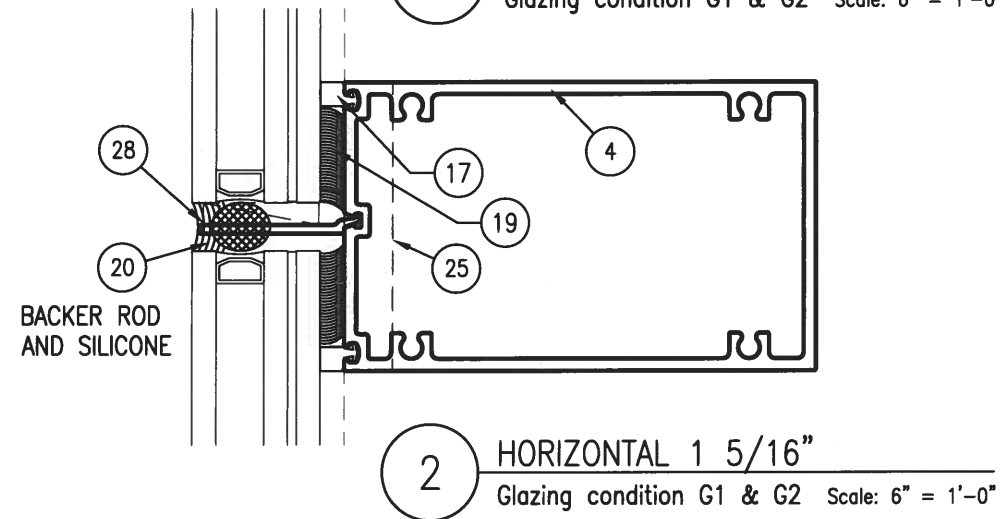
DRAWING NO.: FL21123.7

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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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	ECV

DATE: 3/7/23

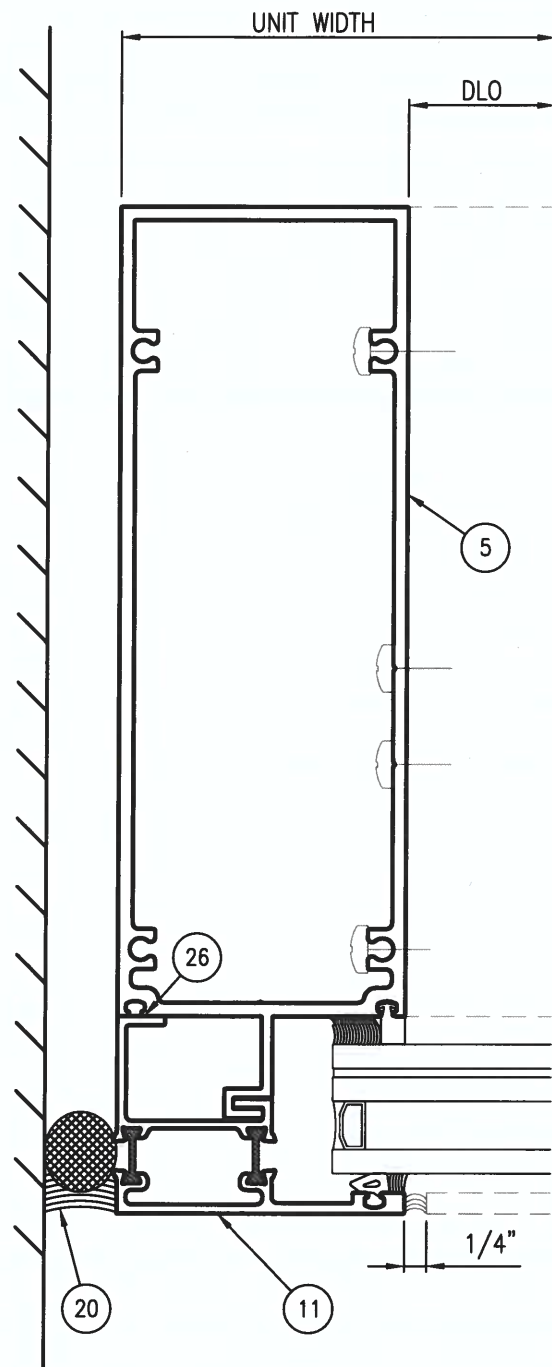
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DWG. BY: ECV

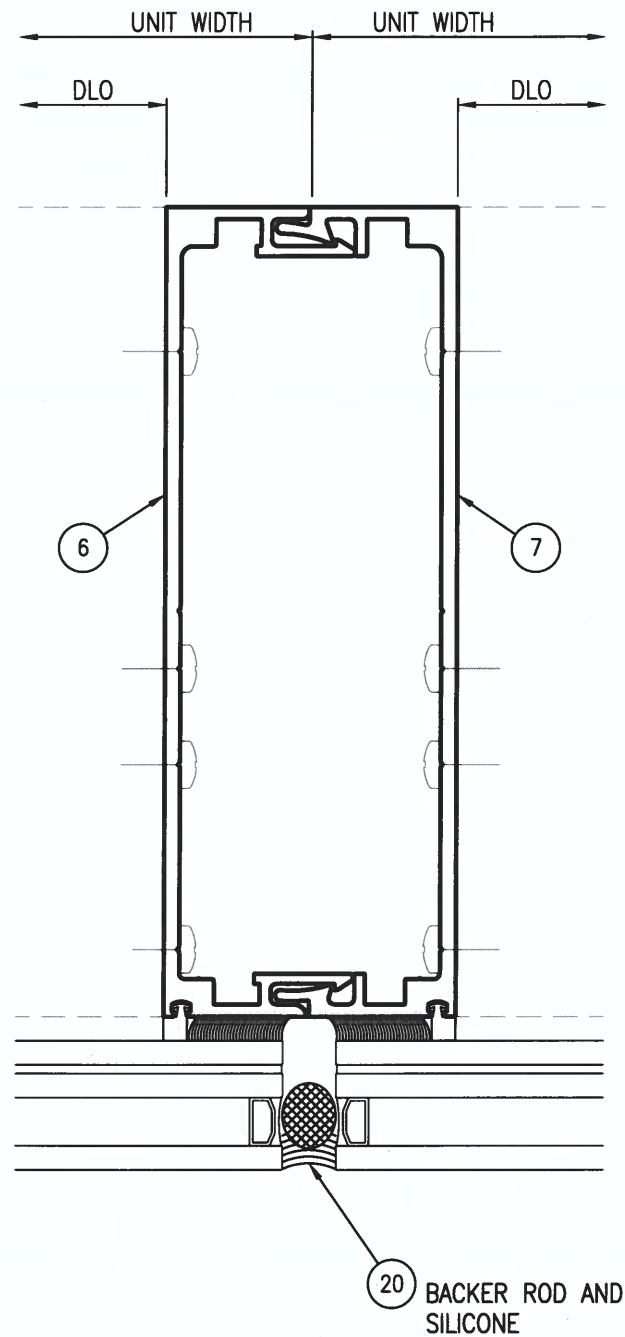
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DRAWING NO.:
FL21123.7

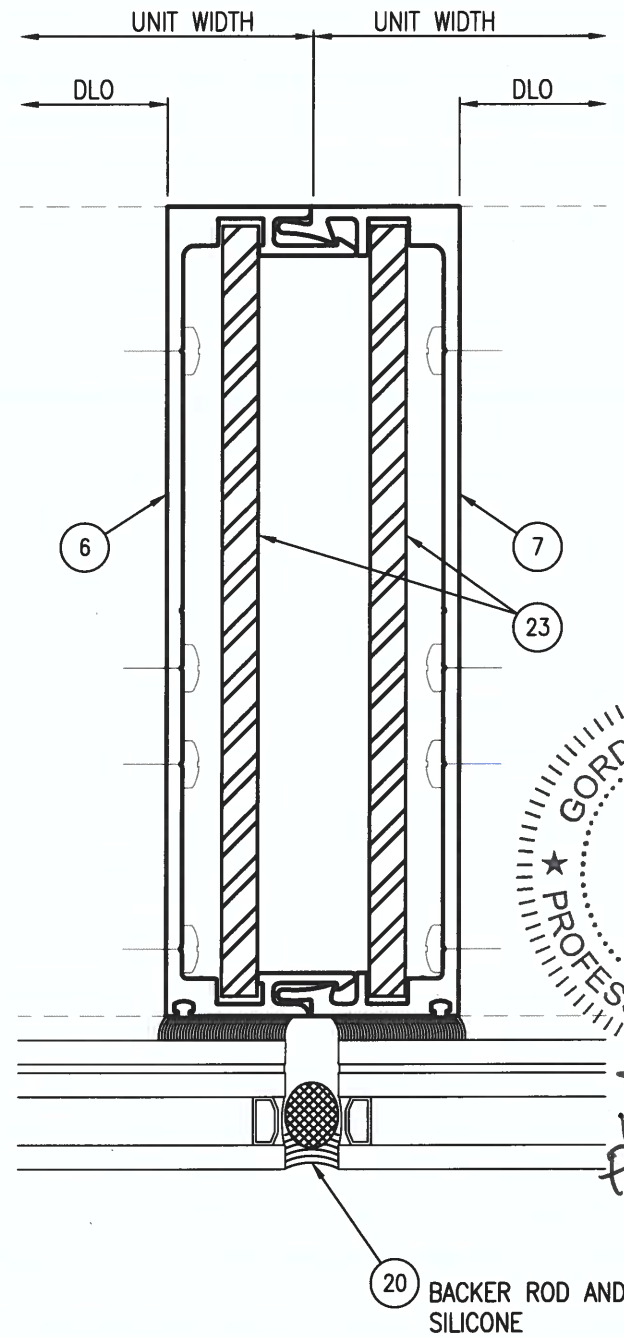
SHEET: 4 OF 7



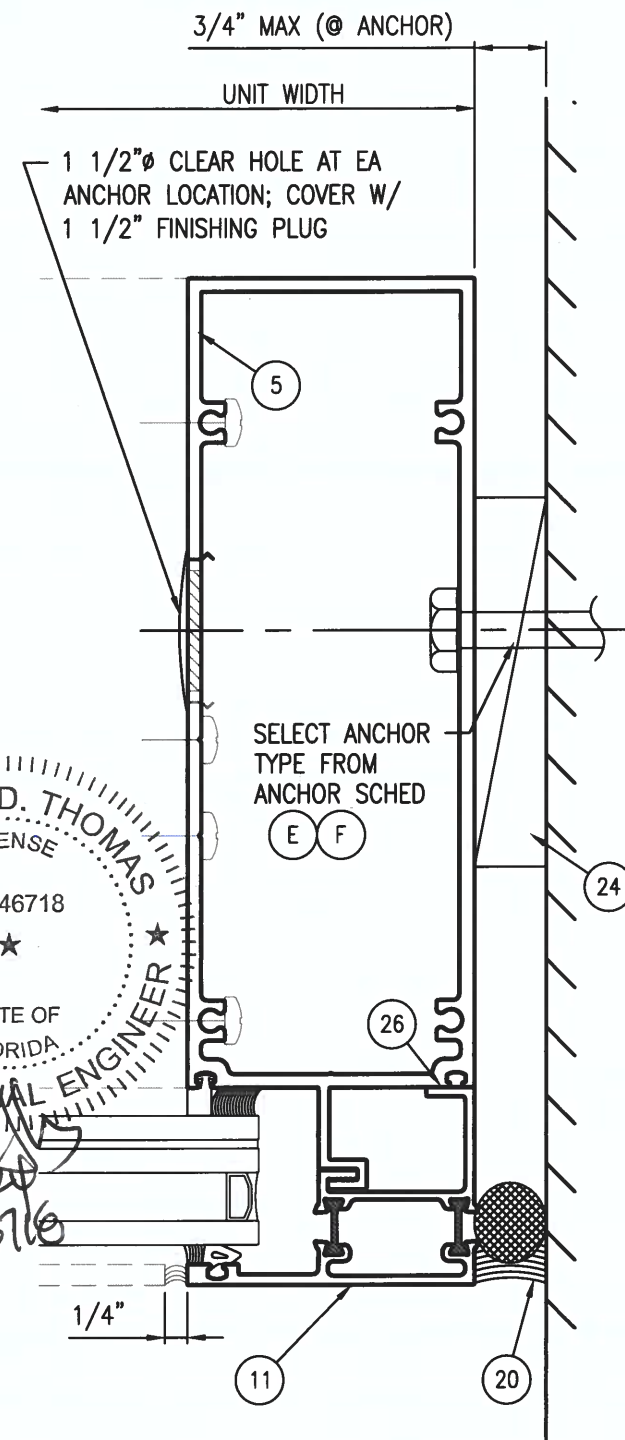
1 UNANCHORED JAMB
Glazing condition G1 & G2 Scale: 6" = 1'-0"



2 UNREINFORCED MULLION
Glazing condition G1 Scale: 6" = 1'-0"



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



4 ANCHORED JAMB
Glazing condition G1 & G2 Scale: 6" = 1'-0"

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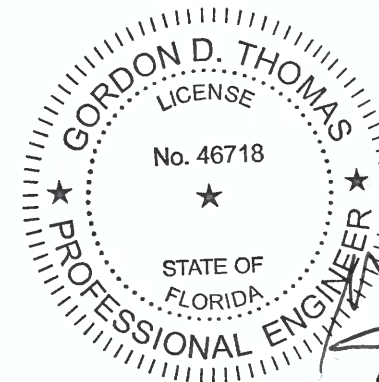
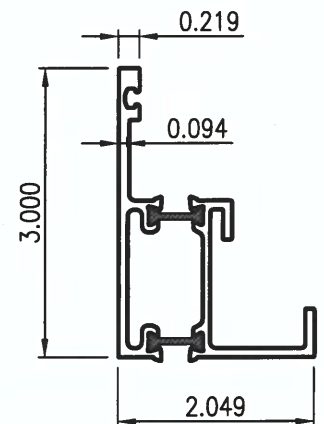
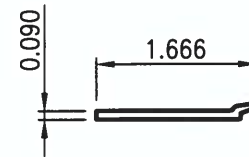
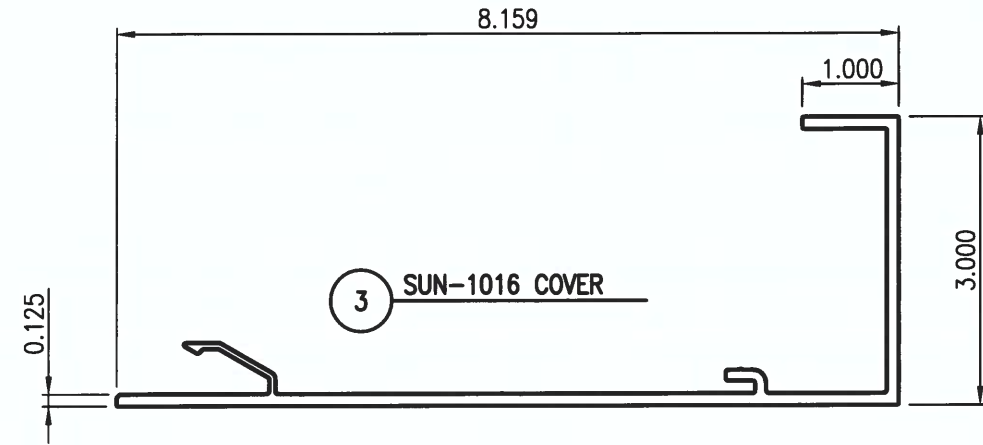
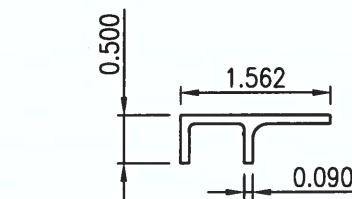
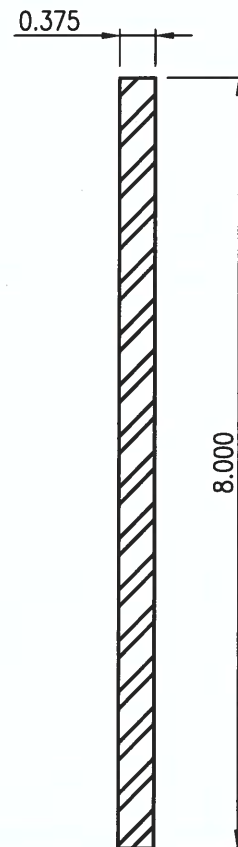
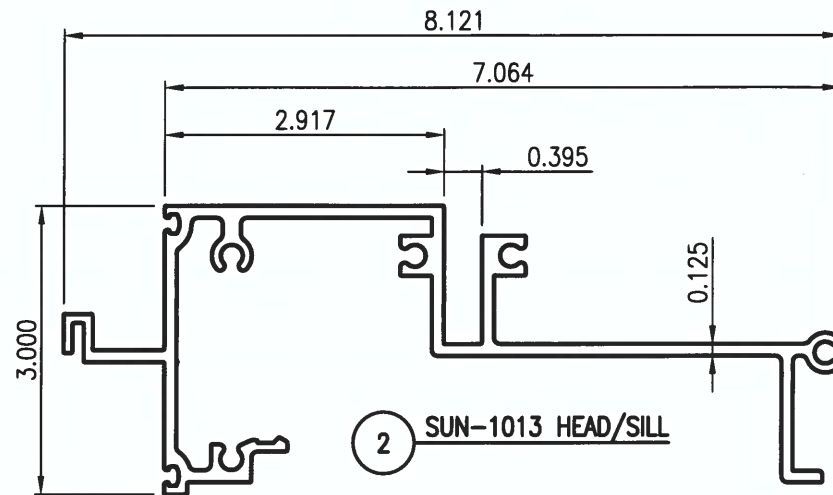
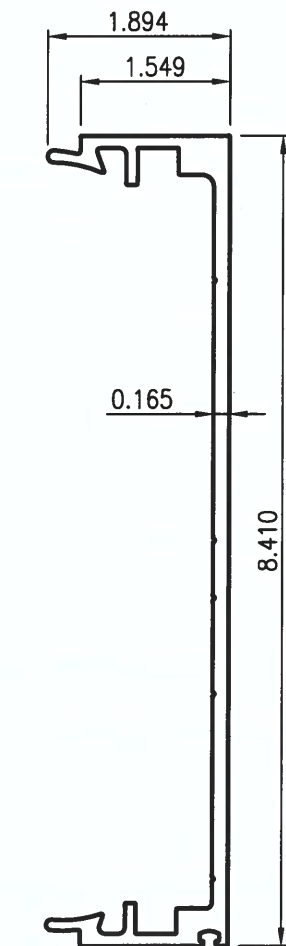
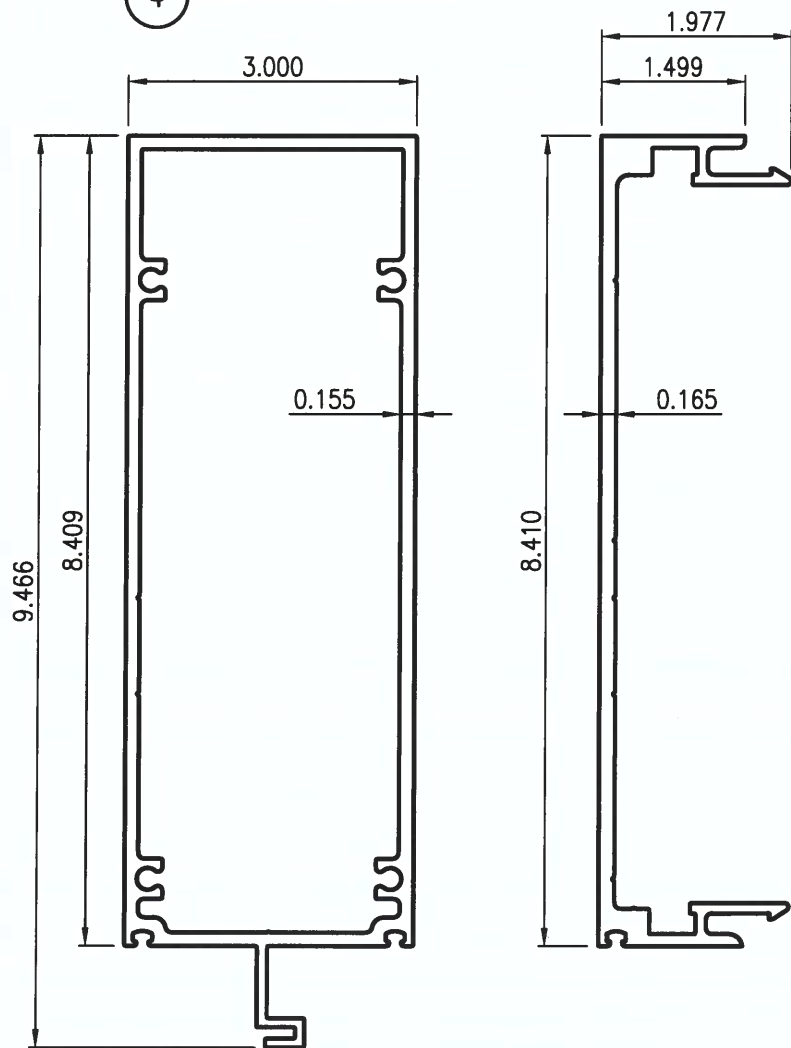
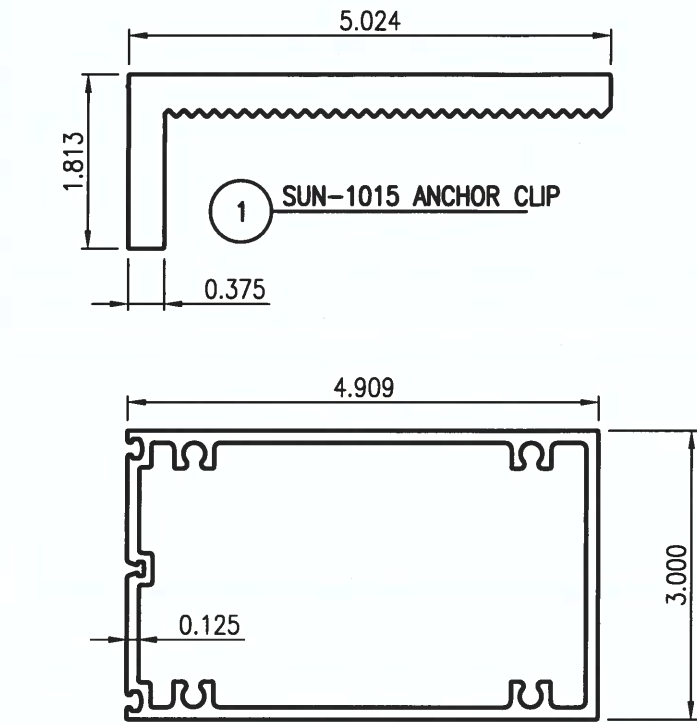


PRODUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

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	ECV

DATE: 3/7/23
SCALE: NA
DWG. BY: ECV
CHK BY: -
DRAWING NO.: FL21123.7
SHEET: 5 OF 7



- 17 CAULK STOP**
- 18 WEDGE GASKET**

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PRODUCT:
SERIES 1050 WINDOW WALL
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
COMPONENTS

REVISONS		DATE		DESCRIPTION		BY	
1	5/20/24	DATE	NO	DESCRIPTION	BY	ECV	FBC

DATE: 3/7/23

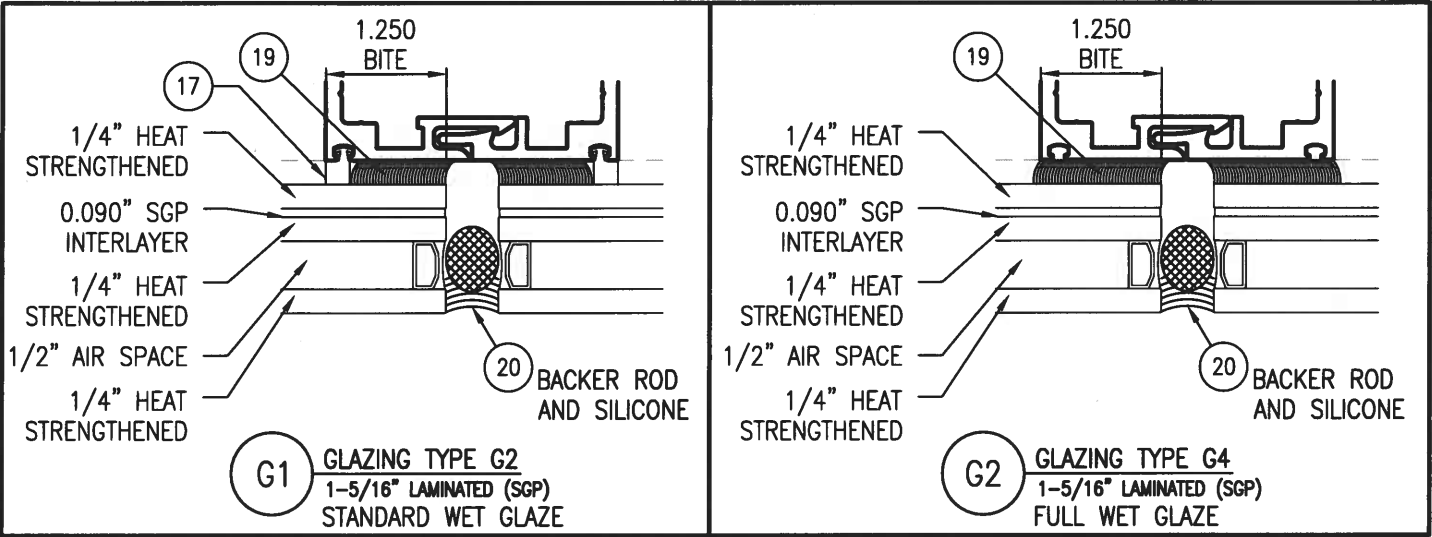
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DWG. BY: ECV

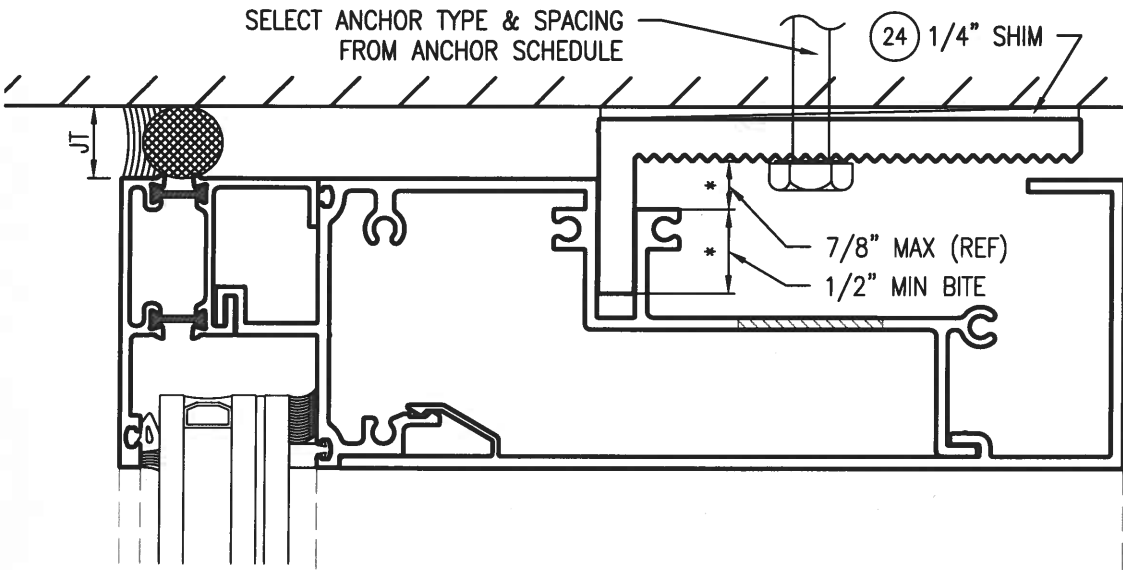
CHK BY: -

DRAWING NO.: FL21123.7

SHEET: **6** OF **7**



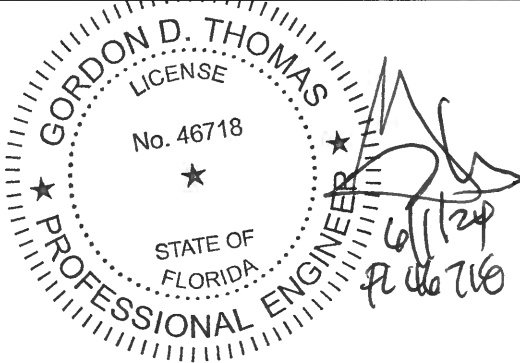
ANCHOR SCHEDULE		
PRIMARY HEAD AND SILL ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	1/2" Powers Wedge Bolt with 2" min embedment, 3" minimum edge distance and 6" minimum spacing. Minimum clip length 9". Concrete is 3,000 PSI minimum conforming to ACI 301.
	B	1/2" Powers Wedge Bolt with 3" 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-6535	BUTT GLAZE HORIZONTAL	6063-T6	SUN METALS	
5	SUN-1001	JAMB	6005-T5	SUN METALS	
6	SUN-1019	MALE SPLIT MULLION	6005-T5	SUN METALS	
7	SUN-1020	FEMALE SPLIT MULLION	6005-T5	SUN METALS	
11	SUN-466	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-106815	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.
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	
28	SUN-1022	HORIZONTAL SETTING LEG (1-5/16" GLAZING)	6063-T6	SUN METALS	



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PRODUCT:
SERIES 1050 WINDOW WALL
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.: FL21123.7
SHEET: 1 OF 1