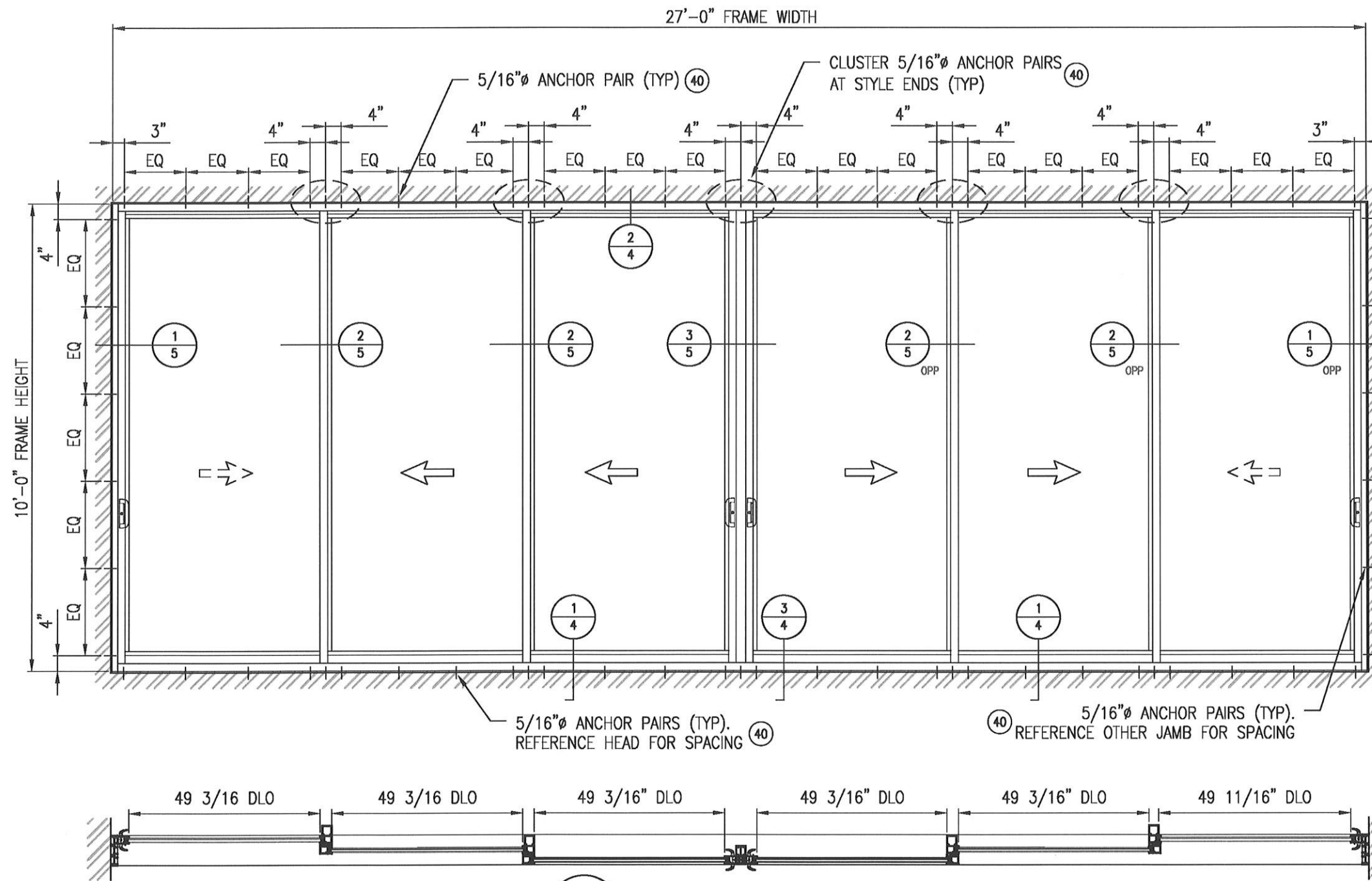
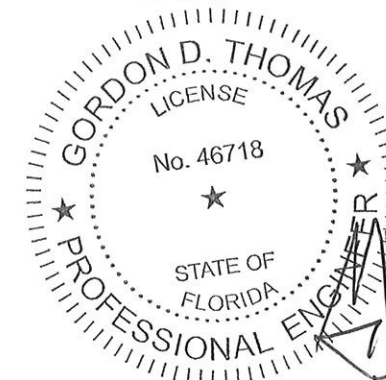




SHEET: **1** OF **7**




SUNDOOR 35000 ELEVATION
 ±115 PSF Scale: 3/8" = 1'-0"
 6 PANEL CONFIGURATION TYPICAL
 ADDITIONAL PANELS/CONFIGURATIONS ALLOWED



12/12/23
 FL46718

SUBSTRATE	ANCHOR TYPE	ANCHOR SCHEDULE
CONCRETE	A	5/16"Ø Ultracon by 'ELCO' concrete anchor with 1-3/4" min. embedment and 2-5/8" min. edge distance. Concrete is 3,000 PSI min conforming to ACI 301.
STEEL	B	5/16-18 SMS or Self drilling screws (SAE Gr 5). Steel with 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 and 1" min. CL to CL spacing.

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



SUN METALS

This drawing and the contents hereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposal drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.

PRODUCT:		PART OR ASSEMBLY:	
SUNDOOR-35000		DETAILED ELEVATION AND	
3 TRACK SLIDING GLASS DOOR		ANCHOR LAYOUT (±115 PSF)	
NO	DATE	DESCRIPTION	BY
REVISIONS			

DATE: 09/12/23

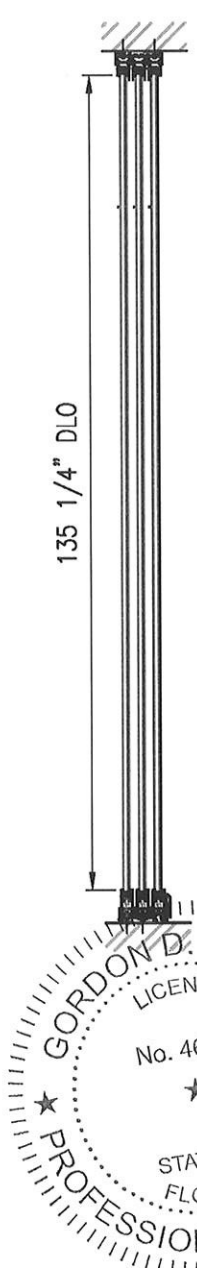
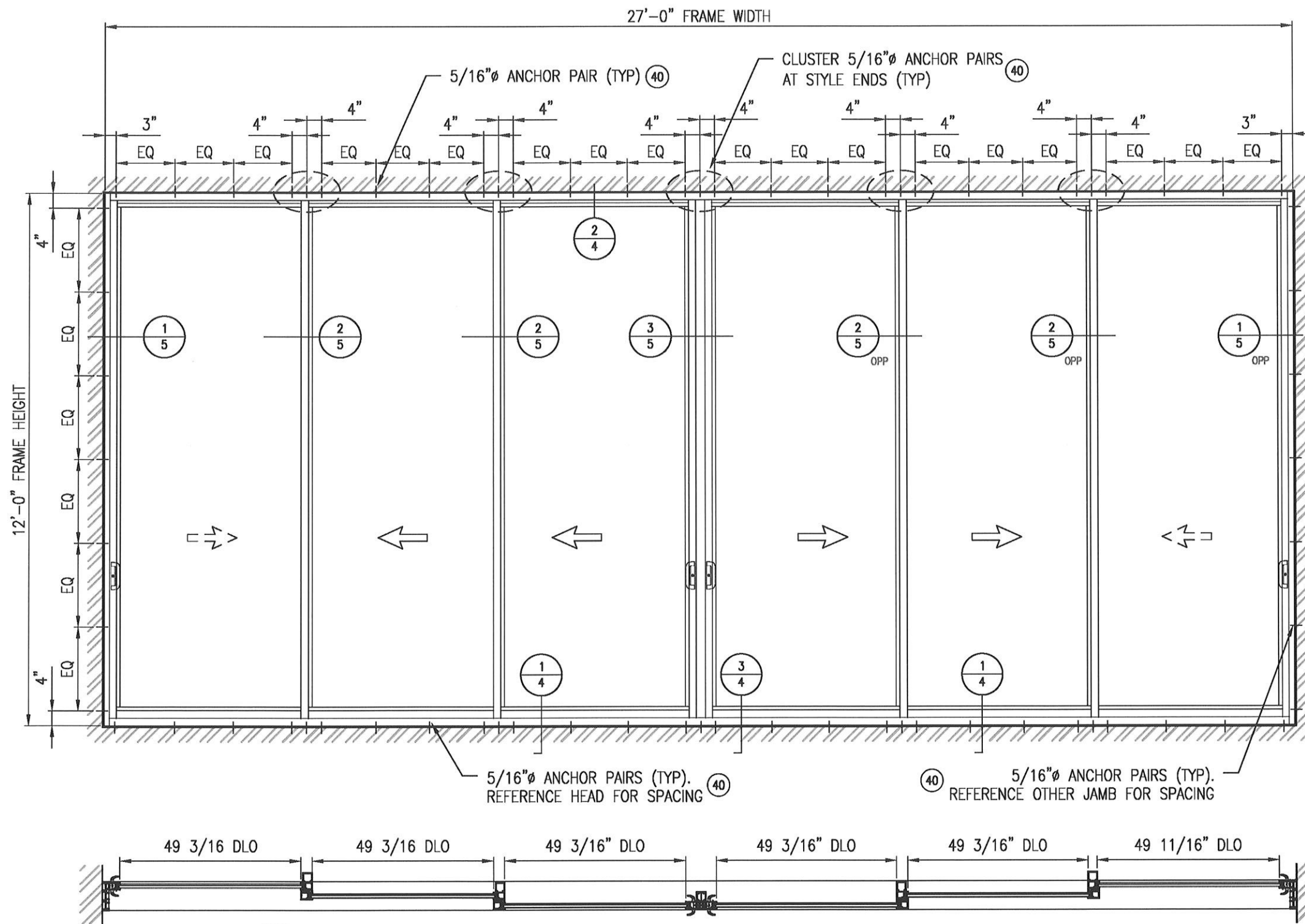
SCALE: AS INDICATED

DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL42398.1

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



3500 SUNDOR 35000 ELEVATION
 ±75 PSF Scale: 3/8" = 1'-0"
 6 PANEL CONFIGURATION TYPICAL
 ADDITIONAL PANELS/CONFIGURATIONS ALLOWED

GORDON D. THOMAS
 LICENSE No. 46718
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 10/7/23
 FL46718

SUBSTRATE	ANCHOR TYPE	ANCHOR SCHEDULE
CONCRETE	A	5/16"Ø Ultracon by 'ELCO' concrete anchor with 1-3/4" min. embedment and 2-5/8" min. edge distance. Concrete is 3,000 PSI min conforming to ACI 301.
STEEL	B	5/16-18 SMS or Self drilling screws (SAE Gr 5). Steel with 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 and 1" min. CL to CL spacing.

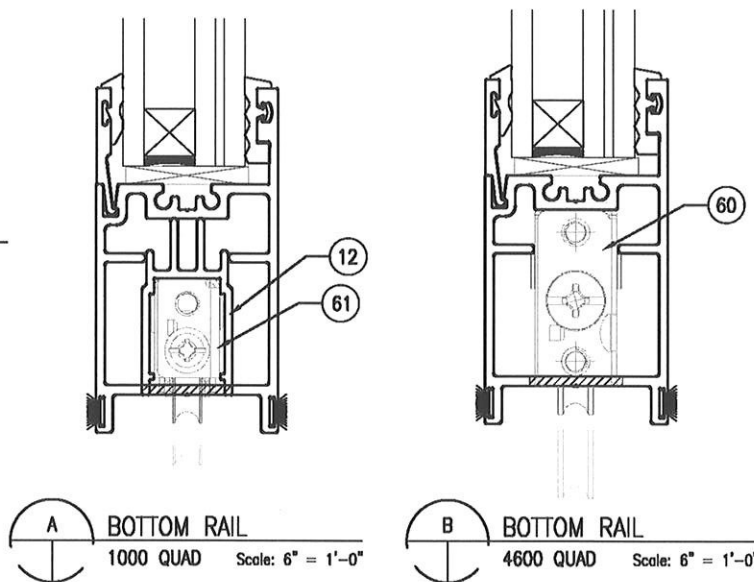
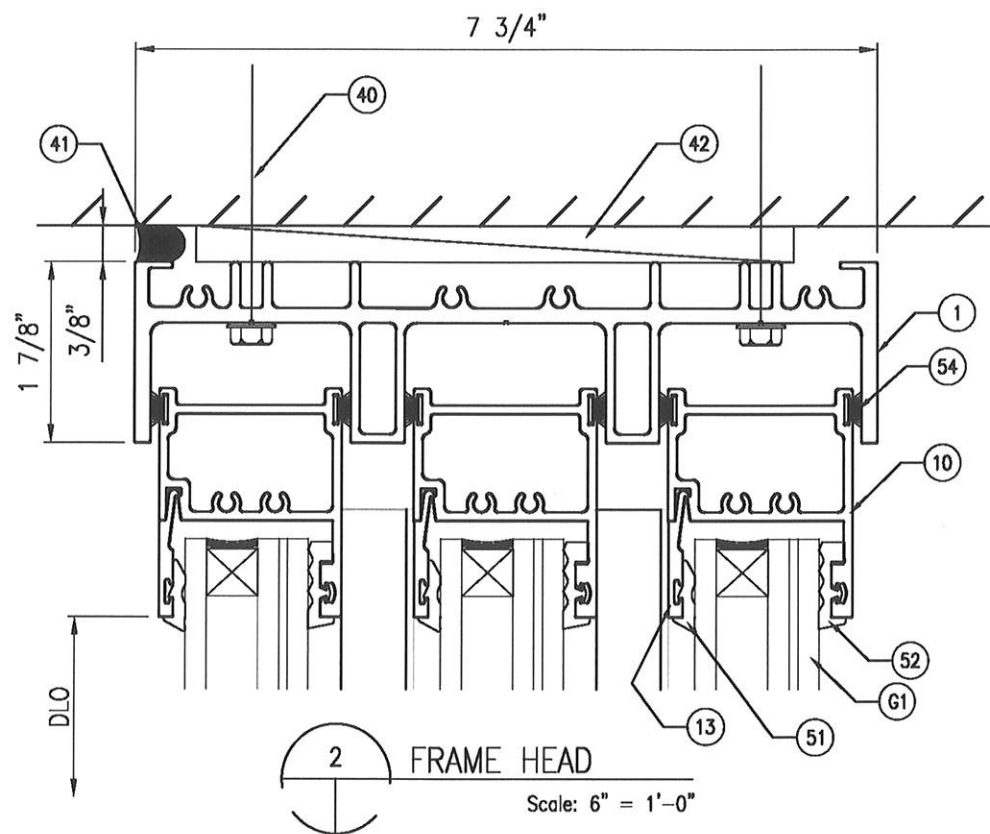
5008 TAMPA WEST BLVD.
 TAMPA, FLORIDA 33634
 PHONE: (813) 889-0718
 FAX: (813) 886-0666

SUN METALS

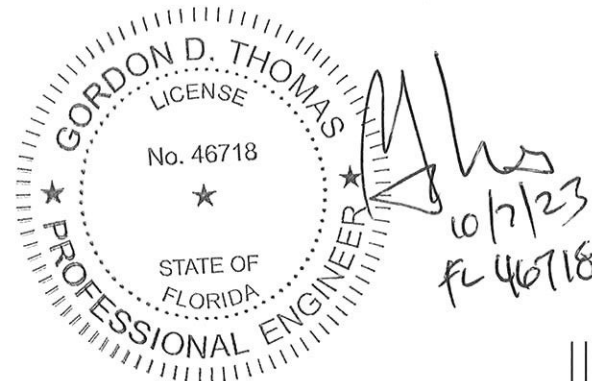
This drawing and the contents thereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposal drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.

PRODUCT:		SUNDOR-35000	
		3 TRACK SLIDING GLASS DOOR	
PART OR ASSEMBLY:		DETAILED ELEVATION AND ANCHOR LAYOUT (±75 PSF)	
NO	DATE	DESCRIPTION	BY
		REVISIONS	

DATE: 09/12/23
 SCALE: AS INDICATED
 DWG. BY: ECV
 CHK BY:
 DRAWING NO.: FL42398.1
 SHEET: **3** OF **7**

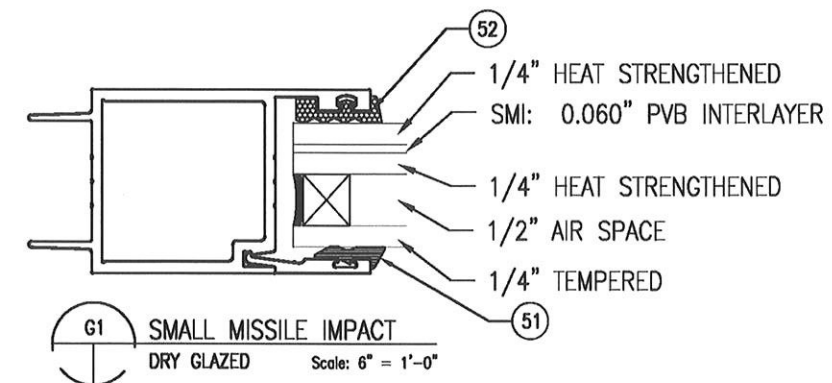


ROLLER CONFIGURATIONS

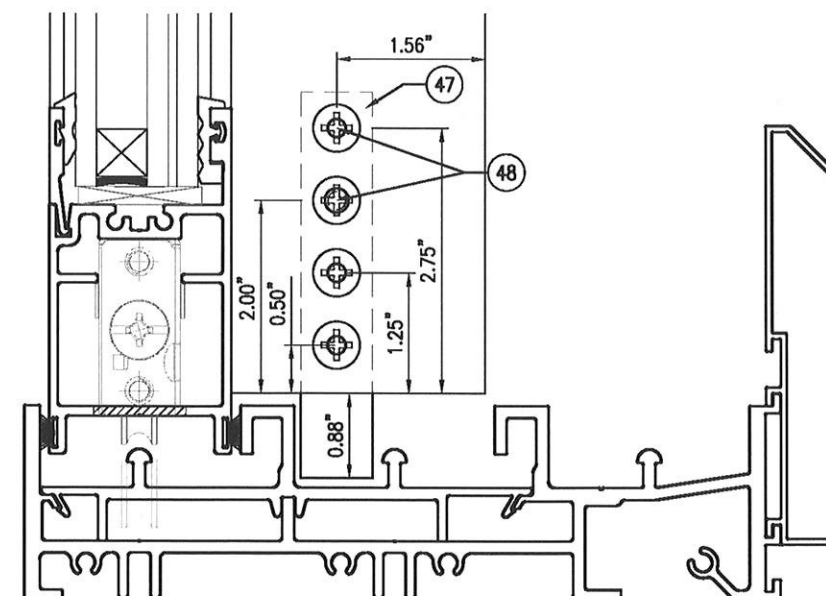
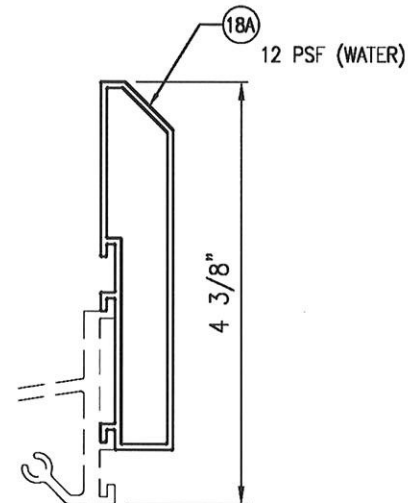
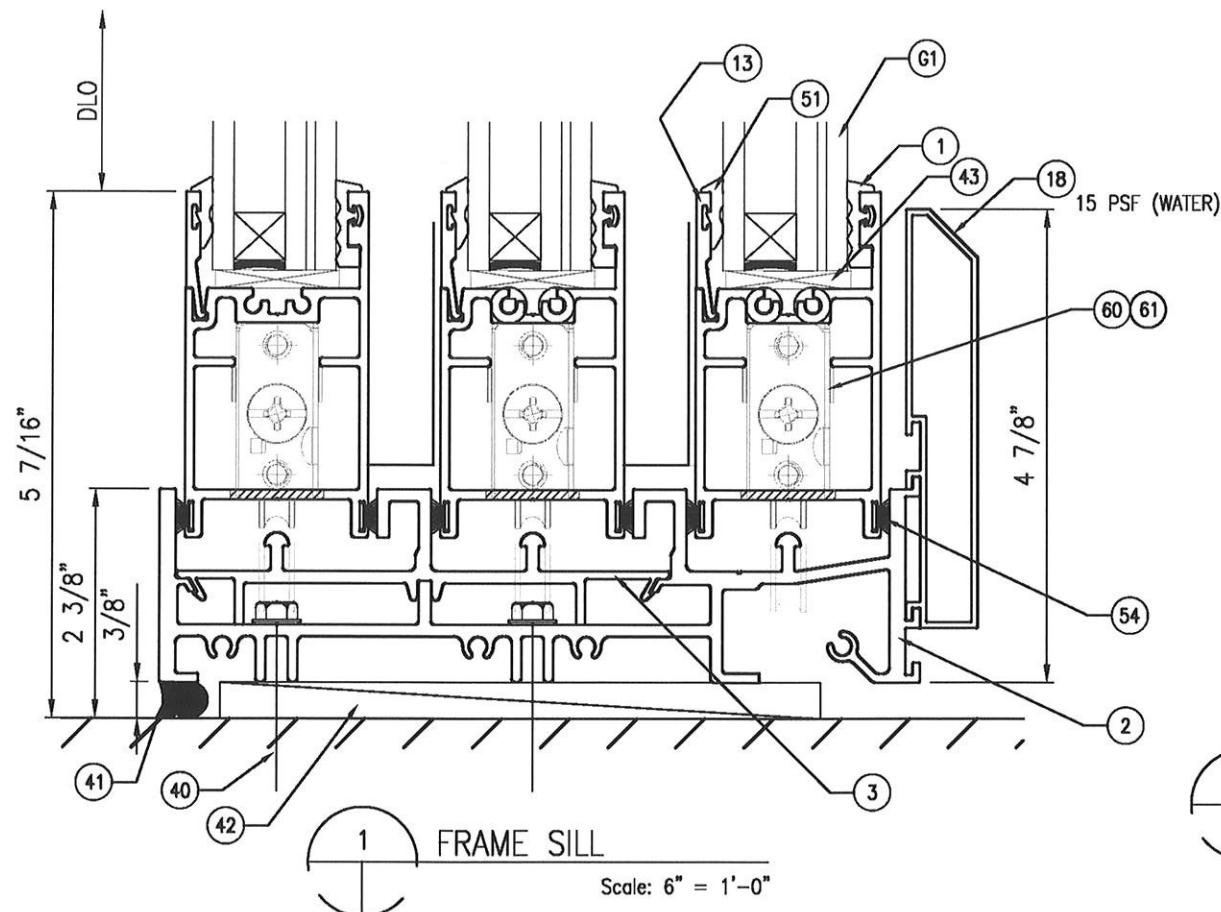


NOTES:

1. FRAME HEAD AND SILLS ARE ATTACHED TO FRAME JAMBS AT EACH END WITH (4) #12 x 1-1/2" PH SMS. (45)
2. PANEL HEAD AND SILL RAILS ARE ATTACHED TO PANEL VERTICAL STYLES AT EACH END WITH (2) #10 x 1-1/2" PH SMS. (46)
3. REFERENCE DETAILED ELEVATION AND ANCHOR LAYOUT SHEETS FOR PERIMETER FRAME ANCHOR TYPE AND LAYOUT (40)



GLAZING LAYUP



5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0866



This drawing and the contents hereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposed drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.

PRODUCT: SUNDOR-35000
3 TRACK SLIDING GLASS DOOR

PART OR ASSEMBLY: DETAILS

NO	DATE	DESCRIPTION	BY

DATE: 09/12/23

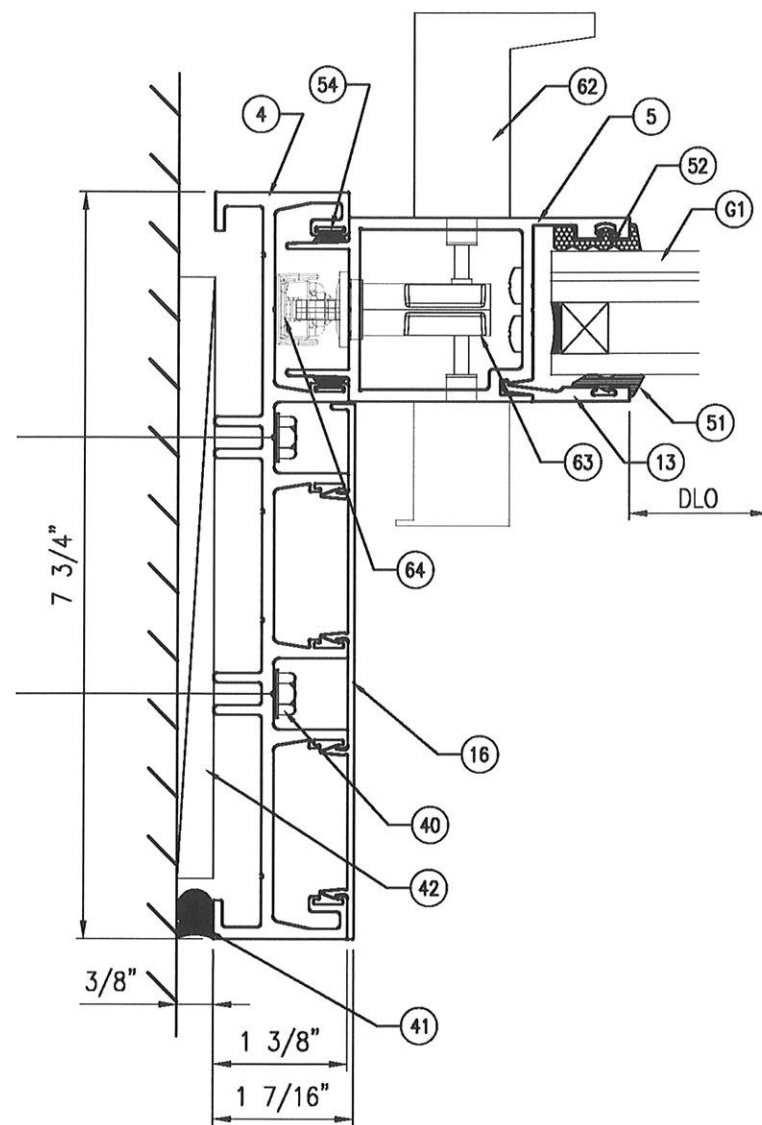
SCALE: AS INDICATED

DWG. BY: ECV

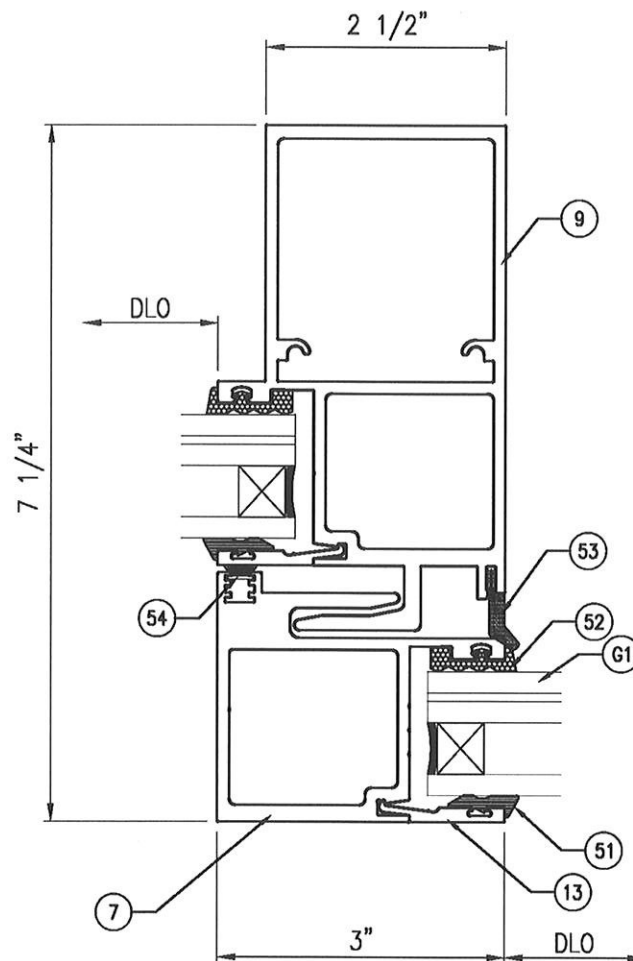
CHK BY:

DRAWING NO.: FL42398.1

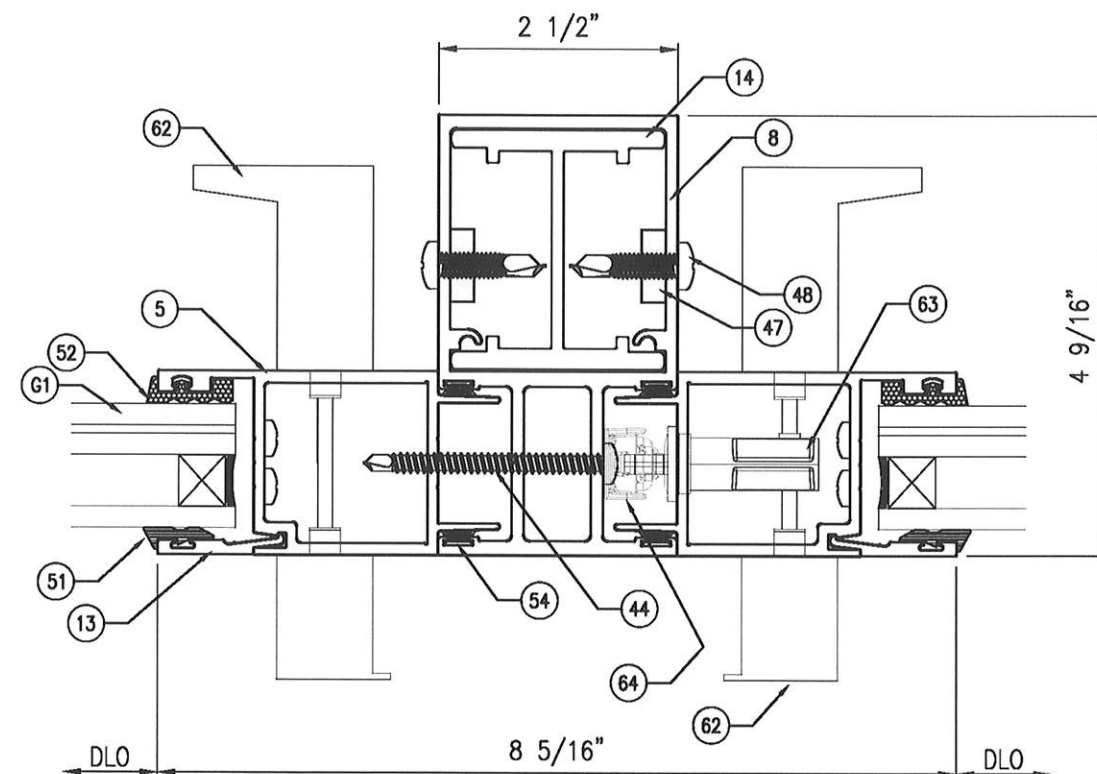
SHEET: 4 OF 7



1 FRAME JAMB (MOVING)
END TRACK Scale: 6" = 1'-0"



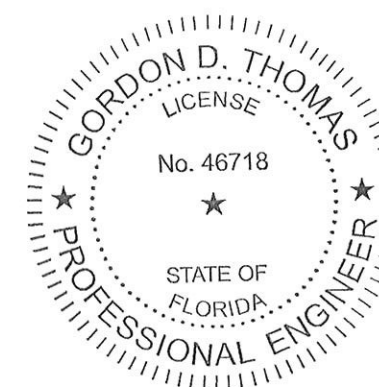
2 INTERLOCK
HEAVY DUTY Scale: 6" = 1'-0"



3 XX MEETING STYLE (REINFORCED)
STANDARD Scale: 6" = 1'-0"

NOTES:

1. REFERENCE DETAILED ELEVATION AND ANCHOR LAYOUT SHEETS FOR PERIMETER FRAME ANCHOR TYPE AND LAYOUT (40)



Signature
10/17/23
FL 46718

5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0866

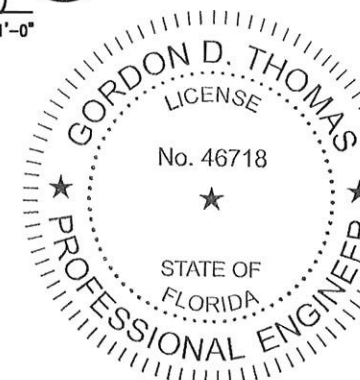
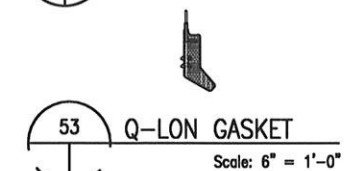
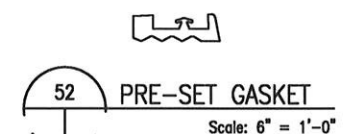
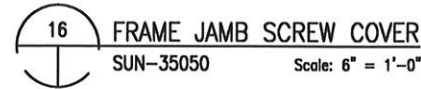
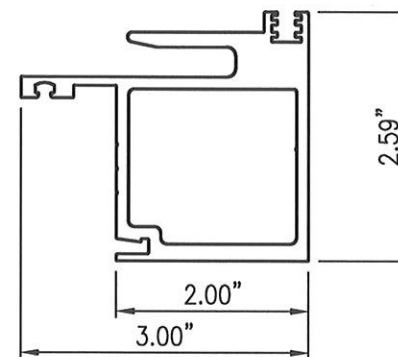


This drawing and the contents thereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposed drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.

PRODUCT:
SUNDOOR-35000
3 TRACK SLIDING GLASS DOOR
PART OR ASSEMBLY:
DETAILS

NO	DATE	DESCRIPTION	BY

DATE: 09/12/23
SCALE: AS INDICATED
DWG. BY: ECV
CHK BY:
DRAWING NO.:
FL42398.1
SHEET: 5 OF 7



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



This drawing and the contents thereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposal drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.

PRODUCT:
SUNDOOR-35000
3 TRACK SLIDING GLASS DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 09/12/23

SCALE: AS INDICATED

DWG. BY: ECV

CHK BY:

DRAWING NO.:
FL42398.1

SHEET: 6 OF 7



SLOT1: Located in primary sill
18" O/C Maximum

SLOT2: Located in primary sill
18" O/C Maximum

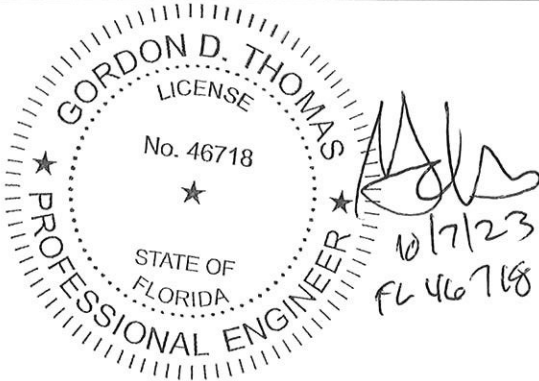
SLOT3: Located in sill inset
18" O/C Maximum

WEEP1: Located under end panels in primary sill
From each end of sill spaced at 10", 21 11/16", 33 5/16", and 45"

WEEP2: Located under middle panels in sill inset
From each end of sill spaced at 61", 71", 81 1/16", 91 1/8", 101 3/16"

WEEP3: Located under front panels in sill inset
From each end of sill spaced at 113 3/16", 123 7/8", 134 7/16", 145 5/16", 156"

BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-35001	FRAME HEAD	6005-T5	SUN METALS	
2	SUN-35002	FRAME SILL	6005-T5	SUN METALS	
3	SUN-35003	FRAME SILL INSET	6005-T5	SUN METALS	
4	SUN-35004	FRAME JAMB	6005-T5	SUN METALS	
5	SUN-5028	LEAD STYLE	6063-T6	SUN METALS	
6		NOT USED			
7	SUN-35029	INTERLOCK STYLE	6005-T5	SUN METALS	
8	SUN-5007	XX ADAPTOR	6005-T5	SUN METALS	
9	SUN-35041	INTERLOCK STYLE (HD)	6005-T5	SUN METALS	
10	SUN-35026	TOP RAIL	6063-T6	SUN METALS	
11	SUN-35027	BOTTOM RAIL	6063-T6	SUN METALS	
12	SUN-35052	ALTERNATE ROLLER ADAPTOR	6063-T6	SUN METALS	
13	SUN-5033	GLAZING BEAD	6005-T5	SUN METALS	
14	SUN-35008	XX ADAPTOR REINFORCING	6005-T5	SUN METALS	
15		NOT USED			
16	SUN-35050	FRAME JAMB SCREW COVER	6063-T6	SUN METALS	
17		NOT USED			
18	SUN-35053	SILL DAM (15 PSF)	6063-T6	SUN METALS	
18A	SUN-35053	SILL DAM (12 PSF)	6063-T6	SUN METALS	
40		PERIMETER ANCHOR 5/16" DIA.	STEEL	VARIES	REF DETAILED ELEVATION AND ANCHOR LAYOUT SHEETS FOR TYPE AND SPACING
41		PERIMETER WEATHERSEAL	SILICONE	DOW CORNING	DOW 790, 791, 795 OR APPROVED EQ.
42		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
43		SETTING BLOCK	SILICONE	VARIES	
44		#12 X 2-1/2" PH SMS (MEETING STYLE)	STL. STEEL	VARIES	
45		#12 X 1-1/2" PH SMS (FRAME SCREW)	STL. STEEL	VARIES	
46		#10 X 1-1/2" PH SMS (PANEL SCREW)	STL. STEEL	VARIES	
47		1/4" X 3/4" ALUM BAR (4" LONG)	6061-T6	VARIES	REACTION CLIP
48		1/4"-20 TEK	SAE-GR5	VARIES	
51	TR-15600S	WEDGE GASKET	SILICONE	TREMCO	
52	TR-15599E	SPONGE GASKET	EPDM	TREMCO	
53	P7P1BL-0000	Q-LON WEATHER STRIPPING GASKET	SILICONE	VARIES	
54	270-290	WEATHERSTRIPPING (VERTICAL)	WOOL PILE	VARIES	
56	270-190	WEATHERSTRIPPING (HORIZONTAL)	WOOL PILE	VARIES	
60	QUAD 4600	ROLLER ASSEMBLY (HD)	STL. STEEL	ANTHONY INNOVATIONS	
61	QUAD 1000	ROLLER ASSEMBLY (STD)	STL. STEEL	ANTHONY INNOVATIONS	Polymer and Stl. Steel Wheels were tested
62		HANDLE SET	ALUM	VARIES	
63	PS01-1015	LOCK SET	STL. STEEL	INTERLOCK	
64	PS01-1015	KEEPER	STL. STEEL	INTERLOCK	
G1		1-5/16 LAMINATED GLASS		VARIES	REF SHEET 4 OF 7



	5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666	This drawing and the contents thereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposal drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.
PRODUCT:	SUNDOOR-35000 3 TRACK SLIDING GLASS DOOR	BILL OF MATERIALS AND WEEP LAYOUT
PART OR ASSEMBLY:		
		REVISIONS
		NO
		DATE
		DESCRIPTION
		BY
DATE: 09/12/23		
SCALE: AS INDICATED		
DWG. BY: ECV		
CHK BY:		
DRAWING NO.: FL42398.1		
SHEET: <u>7</u> OF <u>7</u>		