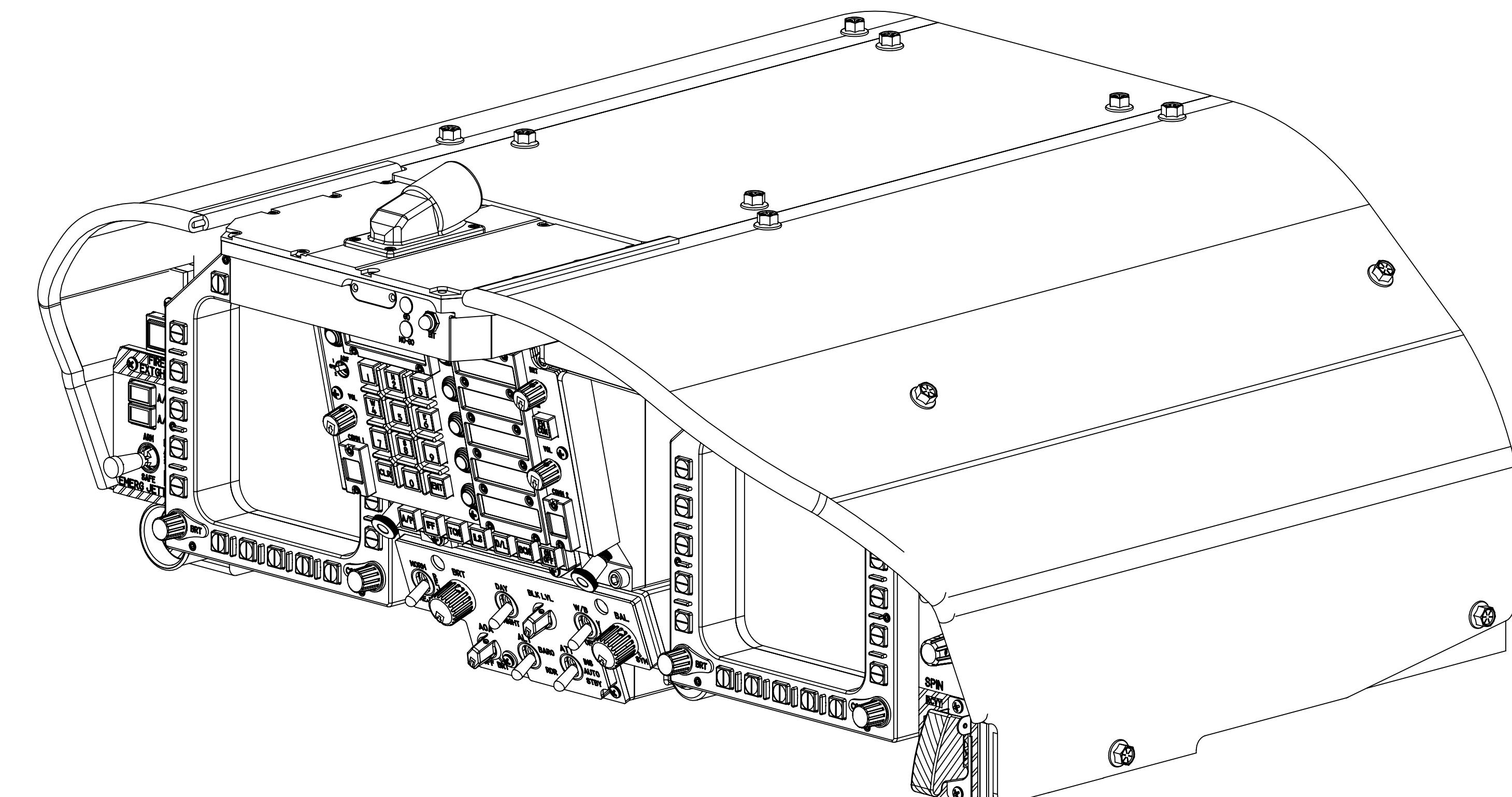


NOTES: UNLESS OTHERWISE SPECIFIED (UOS)

1. ALL ITEMS DEPICTED ON THIS DRAWING ARE CRITICAL TO THE FUNCTION OF THIS PART. ALL DIMENSIONS NOT DEPICTED ARE CONTAINED WITHIN THE FOLLOWING INTERMEDIATE FILES:
 -[APPLICABLE DASH]: OH1A-[APPLICABLE DASH] - [APPLICABLE DESCRIPTION].STL (PRINTED PARTS)
 -[APPLICABLE DASH(S)]: OH1A-1_SH[SHEET #]_[SHEET THICKNESS]_MDF.DXF (MDF CNC PARTS)
 -[APPLICABLE DASH(S)]: OH1A-1_.125 ACRYLIC.DXF
 -[APPLICABLE DASH(S)]: OH1A-1_.125 ABS.DXF
2. SEAL/SAND/PRIME/PAINT ALL EXTERNAL SURFACES FS36231, DARK GULL GREY IAW FINISH SPECIFICATION, EXCEPT WHERE OTHERWISE NOTED. MASK ALL THREADS AND HOLES.
3. INSTALL WITH AN APPROPRIATE ADHESIVE.

CAD GENERATED DOCUMENT. ALL CHANGES MAY ONLY BE MADE WITHIN NATIVE CAD FILE. REVISION HISTORY CONTAINED WITHIN PDM REPOSITORY.

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	-	INITIAL RELEASE	12/23/2019
	A	COMBINED FN 69 & 70, ADDED BALLOONS FOR FN 69, CLARIFIED LOCATIONS OF FN 64.	12/25/2019



-1
DIAMETRIC VIEW

SEE PARTS LIST ON SHEET 2

		THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED:	UOS INCH TOLERANCES ARE:
			DIMENSIONS ARE IN INCHES. DUAL DIMENSIONS ARE IN MILLIMETERS AND ENCLOSED IN SQUARE BRACKETS.	DECIMALS: ANGLES: .X ± .1 MACHINED ±0°30' .XX ± .03 LOCATING ±0°30' .XXX ± .010 FORMED ±2° CHAMFERS ±5°
		APPROVALS	DATE	HOLE DIAMETERS: .0 - .0140: +.0020 / -.0005 .014 - .125: +.004 / -.001 .126 - .250: +.005 / -.001 .251 - .500: +.006 / -.001 .501 - .750: +.008 / -.001 .751 - 1.000: +.010 / -.001 1.001 - 2.000: +.012 / -.001 2.000+: +.015 / -.005
		DRAWN	2019/12/23	
		MATERIAL	INTERPRET DRAWING IAW ASME Y14.100-2013.	
		SEE PARTS LIST	INTERPRET DIM AND TOL IAW ASME Y14.5-2009.	
		FINISH	REMOVE ALL BURRS AND SHARP EDGES TO .1 MAX.	
		SEE FINISH SPEC	DIMENSIONS APPLY BEFORE FINISH.	
OH0A	TOP LEVEL			
NEXT ASSY	USED ON			
APPLICATION				
SIZE	DWG NO.			
D	OH1A			
SCALE	REV.			
NONE	A			
				SHEET 1 OF 13



ASSY, UPPER INSTRUMENT
PANEL

PARTS LIST

QTY.	PART NUMBER	DESCRIPTION	MATERIAL	MFR	TYPE	ITEM NO.
1	OH1A2A-1	ASSY, MASTER ARM PANEL	N/A	OPENHORNET	ASSY	1
1	OH1A7A-1	ASSY, SPIN RECOVERY PANEL	N/A	OPENHORNET	ASSY	2
1	OH1A8A-1	ASSY, UPFRONT CONTROL PANEL	N/A	OPENHORNET	ASSY	3
1	OH1A8A2A-1	ASSY, HUD PANEL	N/A	OPENHORNET	ASSY	4
2	OH1A3A-1	ASSY, DDI MODULE	N/A	OPENHORNET	ASSY	5
1	OH1A4A-1	ASSY, EYEBROW WARNING INDICATORS, LEFT	N/A	OPENHORNET	ASSY	6
1	OH1A6A-1	ASSY, EYEBROW WARNING INDICATORS, RIGHT	N/A	OPENHORNET	ASSY	7
7	OH1A-10	GLARESHIELD MOUNTING TAB, LEFT	N/A	OPENHORNET	ASSY	8
7	OH1A-11	GLARESHIELD MOUNTING TAB, RIGHT	N/A	OPENHORNET	ASSY	9
1	OH1A-100	UIP FLOOR	.75 MDF	OPENHORNET	CNC	10
1	OH1A-101	UIP FWD BULKHEAD	.75 MDF	OPENHORNET	CNC	11
2	OH1A-102	UIP LEFT OUTBOARD LONGERON	.50 MDF	OPENHORNET	CNC	12
1	OH1A-103	UIP LEFT INBOARD LONGERON	.75 MDF	OPENHORNET	CNC	13
1	OH1A-104	UIP RIGHT INBOARD LONGERON	.75 MDF	OPENHORNET	CNC	14
1	OH1A-105	UPPER HUD BOX SUPPORT	.50 MDF	OPENHORNET	CNC	15
1	OH1A-106	UIP FRONT PANEL FACE	.25 ACRYLIC	OPENHORNET	CNC	16
1	OH1A-107	UPPER UIP FACE MOUNT, LEFT	PETG	OPENHORNET	PRINT	17
1	OH1A-108	UPPER UIP FACE MOUNT, RIGHT	PETG	OPENHORNET	PRINT	18
2	OH1A-109	UIP DISPLAY PRESSURE FOOT	PETG	OPENHORNET	PRINT	19
1	OH1A-110	MFD LOWER SUPPORT A, LEFT	PETG	OPENHORNET	PRINT	20
2	OH1A-111	MFD LOWER SUPPORT B	PETG	OPENHORNET	PRINT	21
2	OH1A-112	MFD LOWER SUPPORT C	PETG	OPENHORNET	PRINT	22
1	OH1A-113	HUD PANEL AFT SUPPORT	PETG	OPENHORNET	PRINT	23
1	OH1A-114	HUD PANEL CONNECTION BRACKET	PETG	OPENHORNET	PRINT	24
1	OH1A-115	UIP CENTRAL TIE BRACKET	PETG	OPENHORNET	PRINT	25
1	OH1A-116	MFD LOWER SUPPORT A, RIGHT	PETG	OPENHORNET	PRINT	26
1	OH1A-117	UIP UPPER HUD BOX COVER	.125 ACRYLIC	OPENHORNET	CNC	27
1	OH1A-118	UIP LEFT GLARESHIELD	.125 ABS SHEET	OPENHORNET	HEAT FORM	28
1	OH1A-119	UIP RIGHT GLARESHIELD	.125 ABS SHEET	OPENHORNET	HEAT FORM	29
1	ABYSIS MEGA IO MASTER	ABYSIS MEGA IO, RS485 MASTER	PCB	OPENHORNET	PCB	30
2	DDI SHIELD PCB	DDI SHIELD PCB	PCB	OPENHORNET	PCB	31
2	ER-TFTV101A1-1	DISPLAY, LCD, 10.1", 1024X600PX, HDMI, COLOR	N/A	BUYDISPLAY.COM	COTS	32
2	RTD2660H	CONTROLLER PCB, HDMI, FOR ER-TFTV101A1-1	N/A	BUYDISPLAY.COM	COTS	33
3	RASPBERRY PI 4B/4GB	RASPBERRY PI 4 MODEL B 4GB SDRAM	N/A	DIGIKEY	COTS	34
1	GS105	ETHERNET, SWITCH, UNMANAGED, 5 PORT, NETGEAR	N/A	NETGEAR	COTS	35
1	HB-U14P	HUB, USB 2.0, 13 PORT, SABRENT	N/A	SABRENT	COTS	36
33	90252A115	FHS, 82 DEG, #8x1.5, BLK, STEEL, FOR MDF	STEEL	MCMASTER-CARR	COTS	37
4	90471A445	FHS, 100 DEG, -25-20 X .625, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	38
22	90273A153	FHS, 82DEG, 6-32 X 1.00, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	39
8	90471A220	FHS, 100 CSK, 6-32 X .500, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	40
8	90471A427	FHS, 100DEG, 4-40 X .625, 18-8	18-8	MCMASTER-CARR	COTS	41
9	90471A435	FHS, 100 CSK, 8-32 X .625, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	42
6	91249A156	PHS, 6-32 X .8750, 18-8, BLACK-OXIDE	18-8	MCMASTER-CARR	COTS	43
18	91249A197	PHS, 8-32 X .750, 18-8, BLACK OXIDE	18-8	MCMASTER-CARR	COTS	44
17	90272A201	PHS, 8-32 X 1.25, STEEL	STEEL	MCMASTER-CARR	COTS	45
4	90272A203	PHS, 8-32 X 1.50, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	46
8	91772A086	PHS, 2-56 X 1.00, 18-8	18-8	MCMASTER-CARR	COTS	47
8	94070A076	PHS, 2-56 X .1875, BRASS	BRASS	MCMASTER-CARR	COTS	48
2	90272A153	PHS, 6-32 X 1.00, STEEL	STEEL	MCMASTER-CARR	COTS	49
45	98023A113	WASHER, #8, .188 ID X .438 OD, STEEL, ZINC YELLOW-CHROMATE	STEEL	MCMASTER-CARR	COTS	50
4	97416A113	WASHER, #8, .188 ID X .438 OD, STEEL, BLACK OXIDE	STEEL	MCMASTER-CARR	COTS	51
6	90126A029	WASHER, .25 SCREW, .281 ID X .625 OD, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	52
16	92141A003	WASHER, .25-20 X .250 OD, 18-8	18-8	MCMASTER-CARR	COTS	53
2	92141A008	WASHER, #6, 18-8	18-8	MCMASTER-CARR	COTS	54
22	91841A009	NUT, JAM, 8-32, 18-8	18-8	MCMASTER-CARR	COTS	55
28	90760A007	NUT, 6-32, JAM, STEEL, ZINC-PLATED	STEEL	MCMASTER-CARR	COTS	56
6	91078A029	NUT, THIN, .25-20, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	57
1	8693K18	TRIM, .125 ID X .25 L, EPDM RUBBER	EPDM	MCMASTER-CARR	COTS	58
16	92316A536	HHCS, .25-20 X .500, GR8, STEEL, BLACK PHOS	STEEL	MCMASTER-CARR	COTS	62
6	93365A130	INSERT, 6-32, HEAT SET, BRASS	BRASS	MCMASTER-CARR	COTS	63
14	92105A660	INSERT, 8-32 X .3906 INSTALLED L, FOR SOFTWOOD	ZINC ALLOY	MCMASTER-CARR	COTS	64
11	93365A140	INSERT, 8-32, HEAT SET, BRASS	BRASS	MCMASTER-CARR	COTS	65
6	91309A542	HHCS, .25-20 X 1.00, STEEL, ZINC	STEEL	MCMASTER-CARR	COTS	66
8	91780A105	STANDOFF, HEX, 2-56 X .375, FEMALE, ALUMINUM	6061-T6	MCMASTER-CARR	COTS	67
8	93505A217	STANDOFF, HEX, 2-56 X 1.00, M TO F, ALUM	6061-T6	MCMASTER-CARR	COTS	68
AR	7598A71	TAPE, LIGHT DUTY, DOUBLE SIDED, FOAM	FOAM	MCMASTER-CARR	COTS	69



https://www.OpenHornet.com

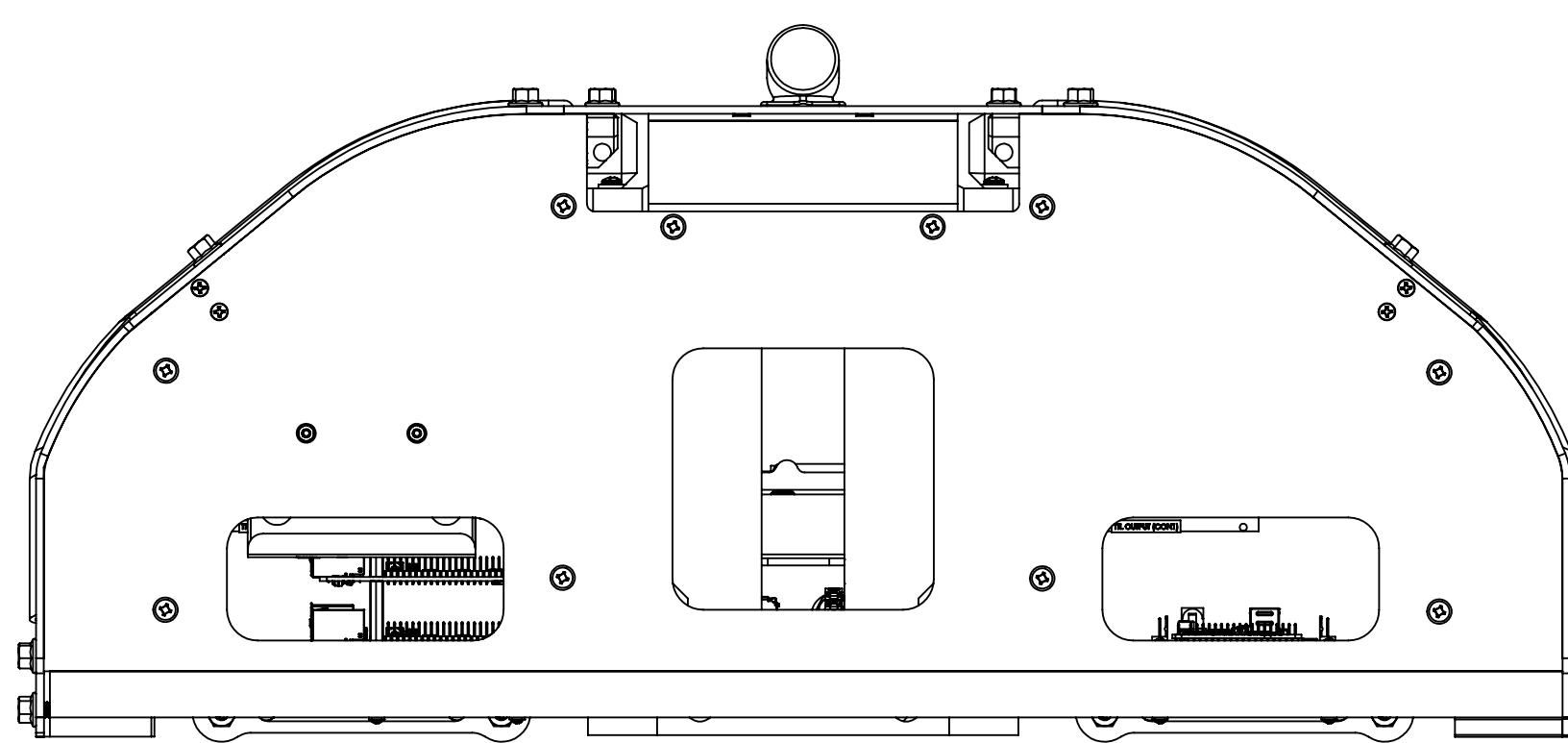
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D OH1A A

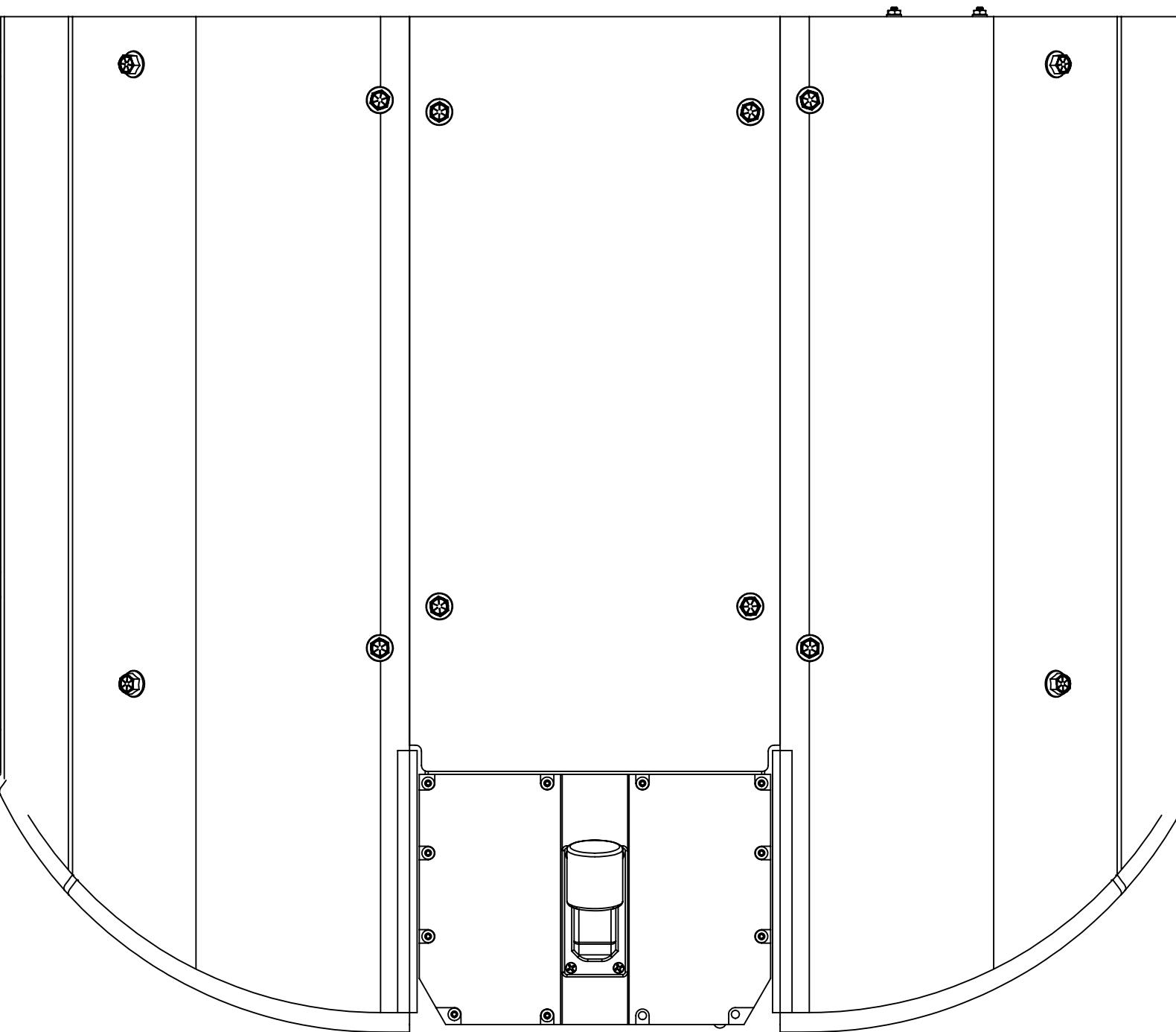
SCALE NONE SHEET 2 OF 13

BY NC SA

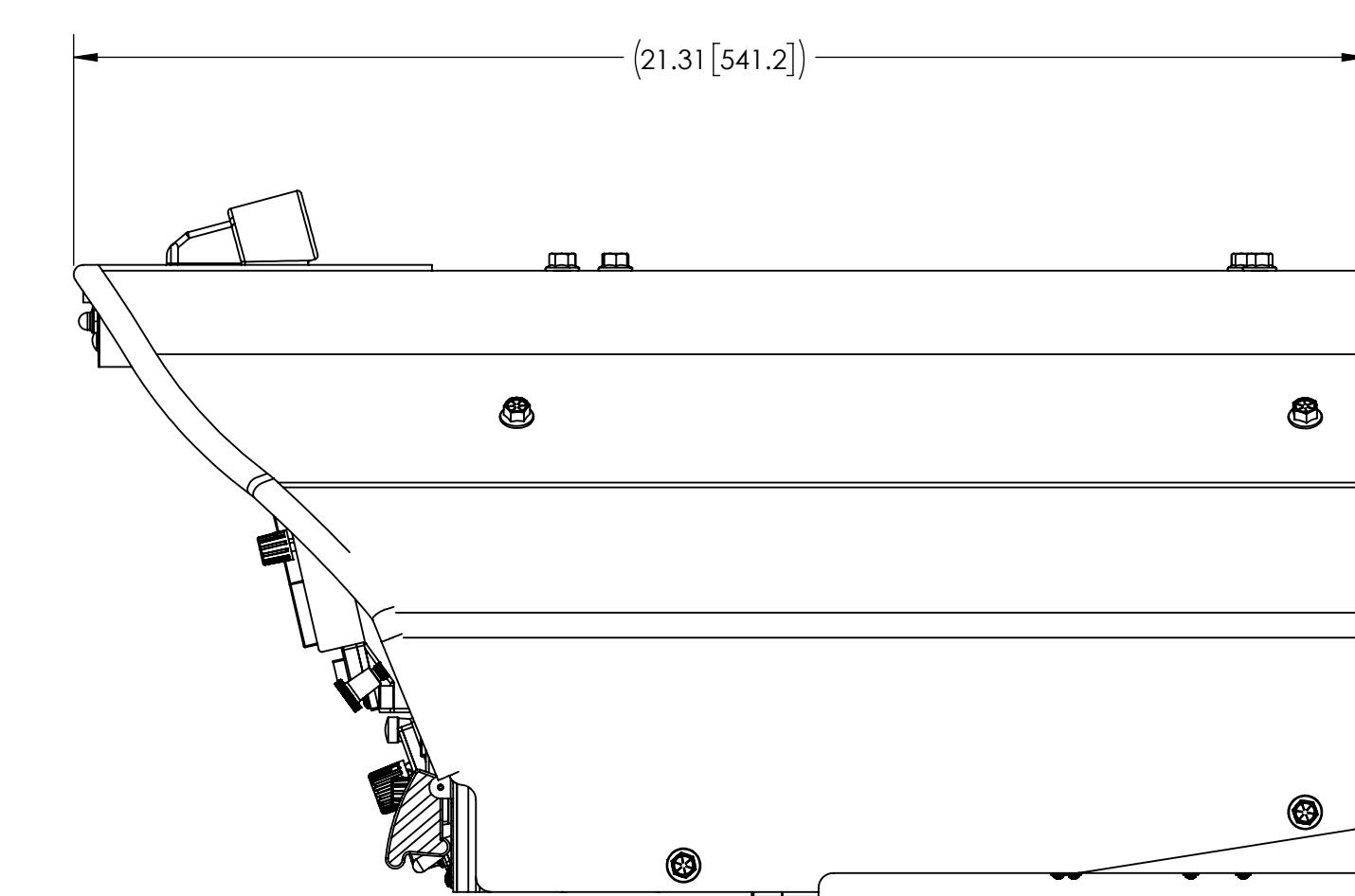
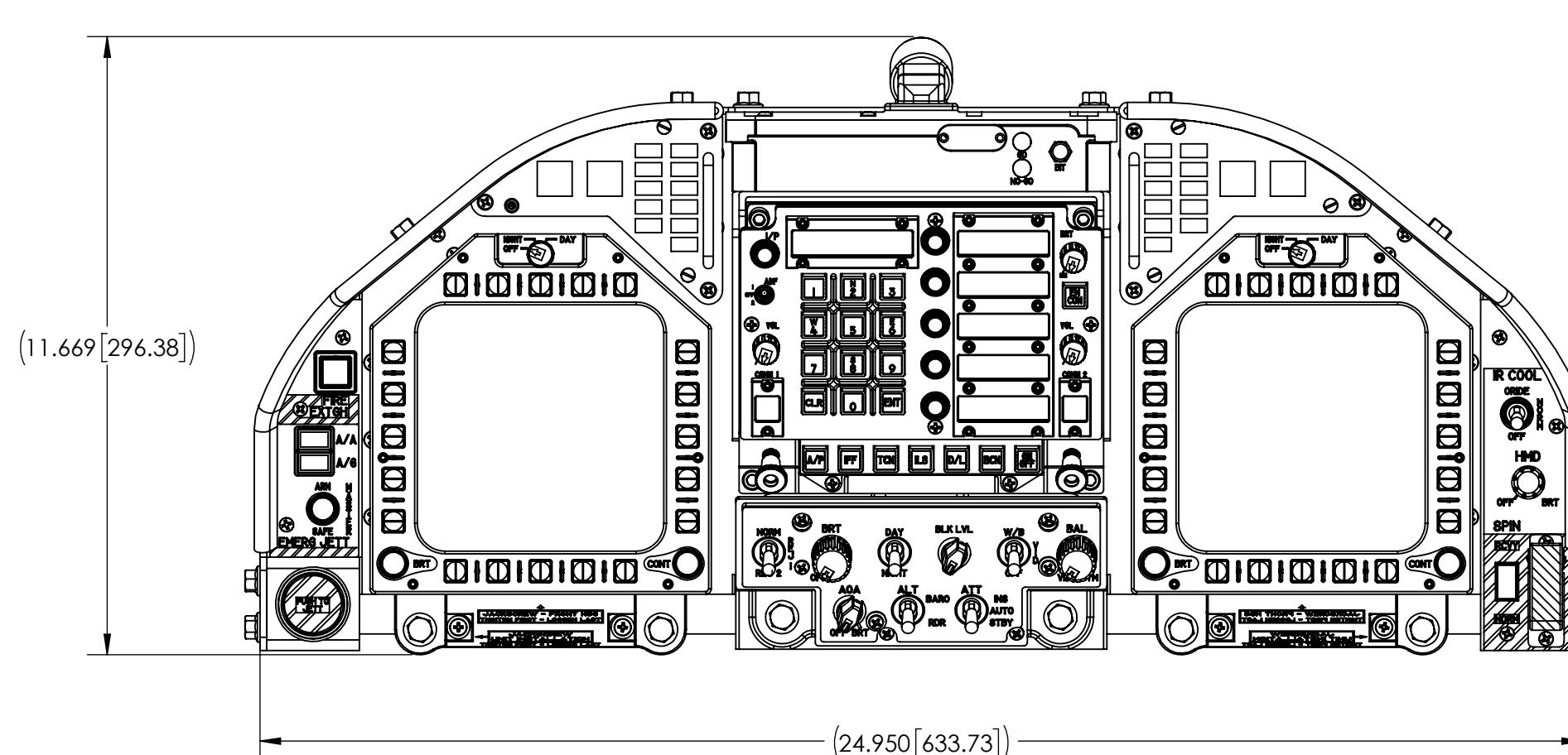
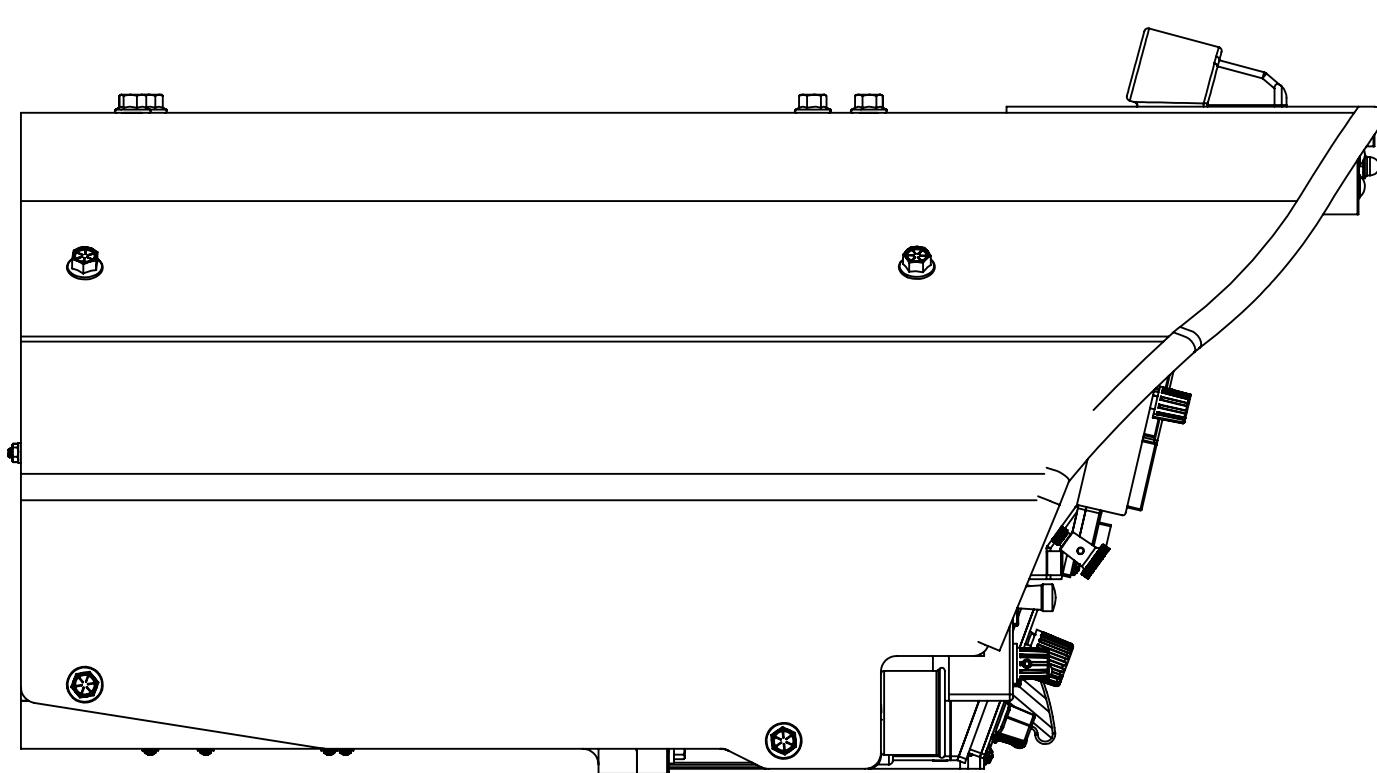
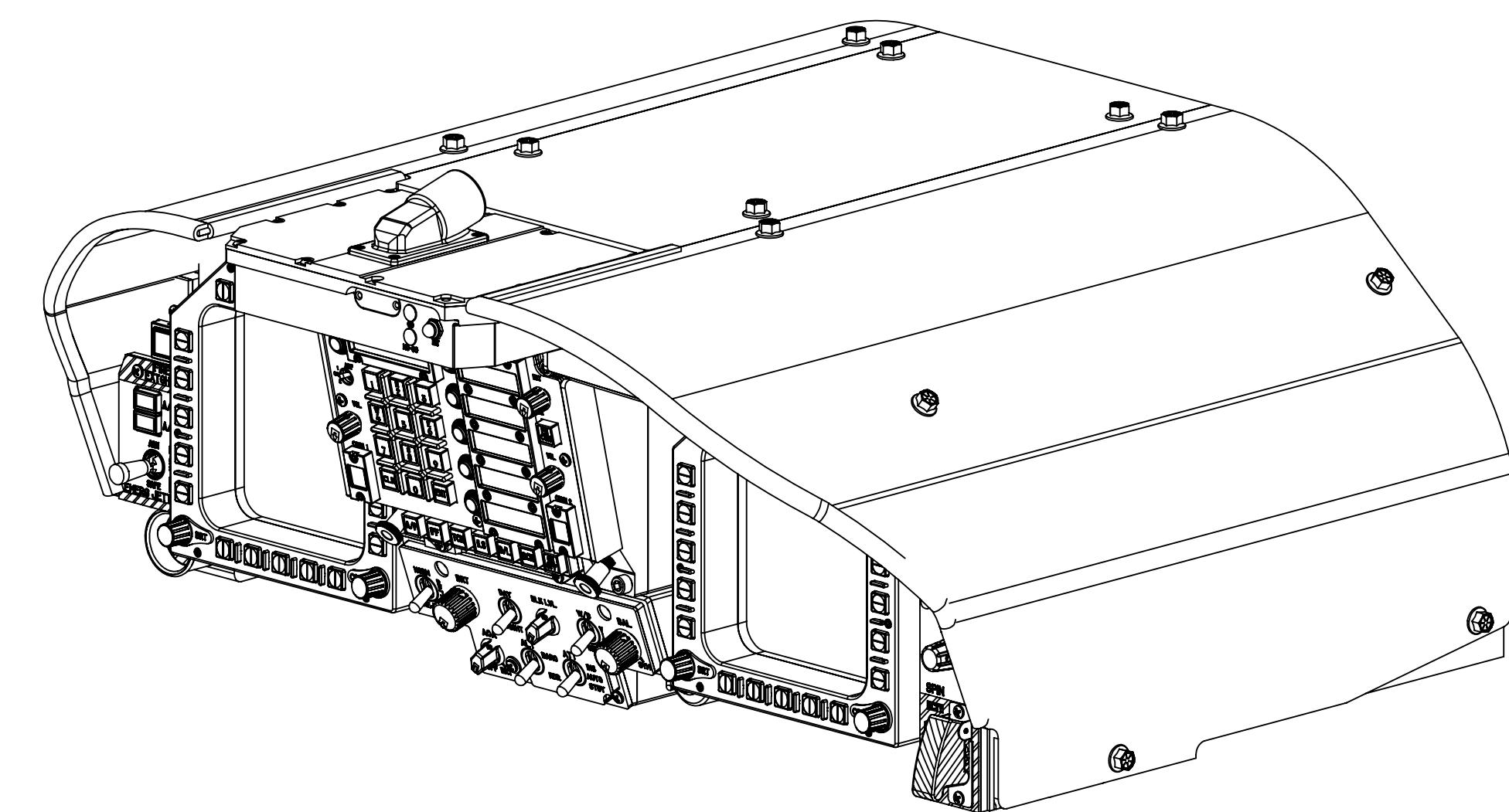
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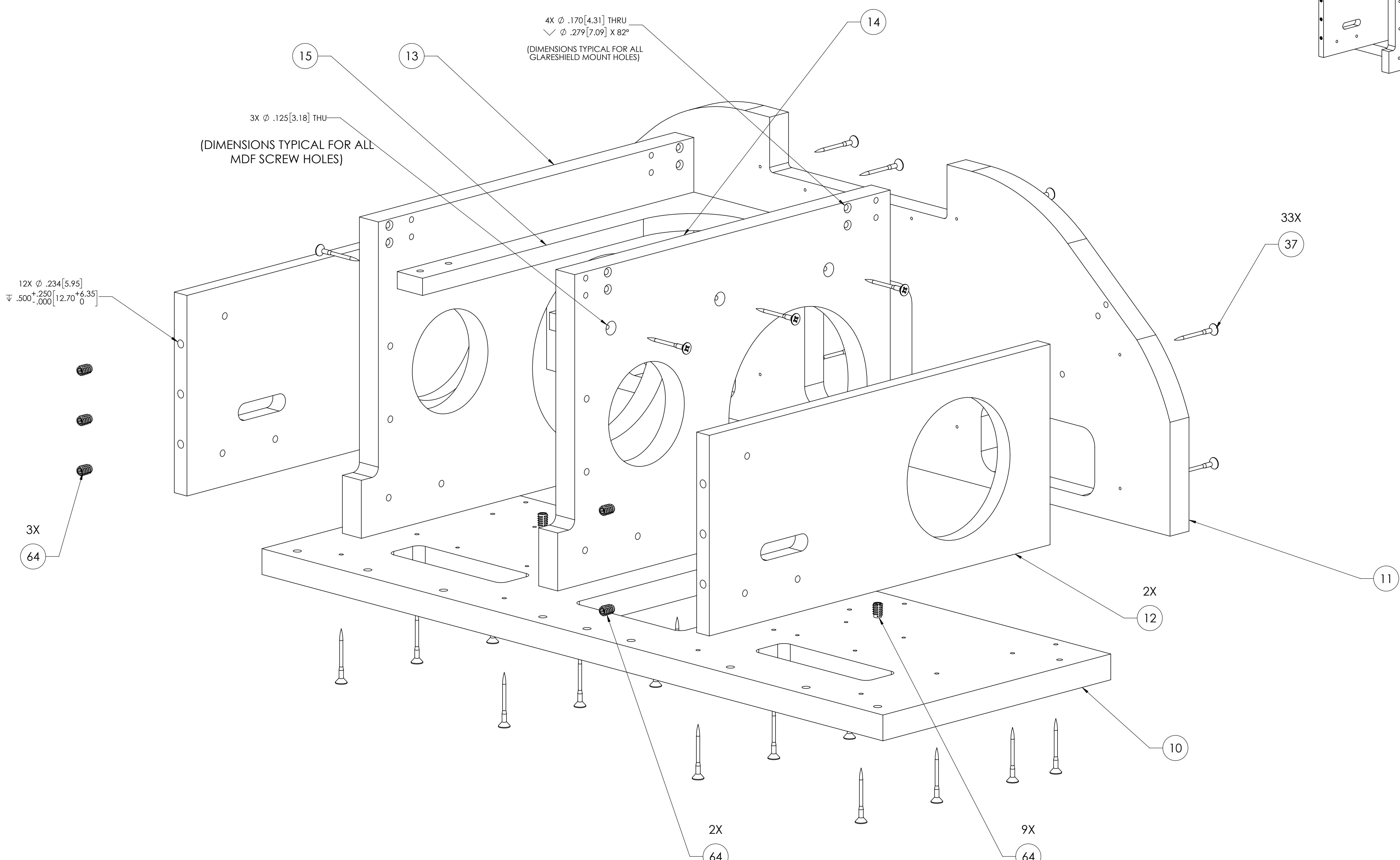
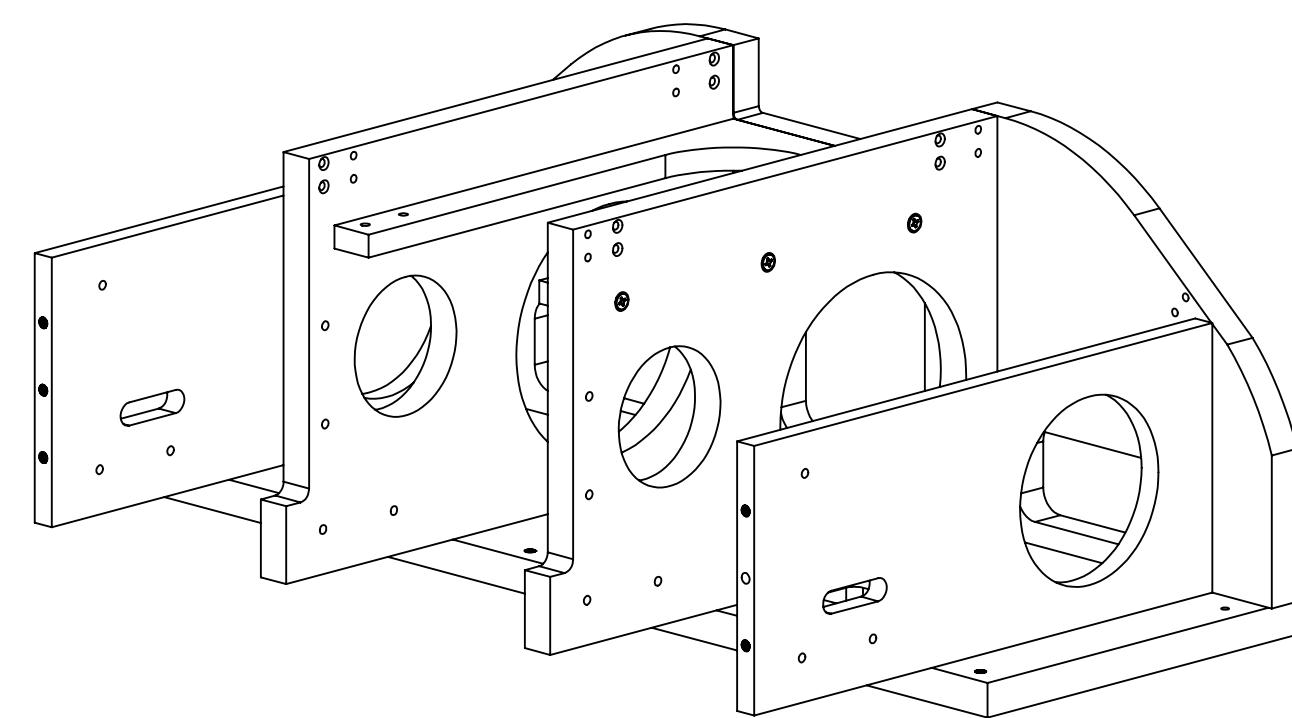


REAR VIEW



DIAMETRIC VIEW





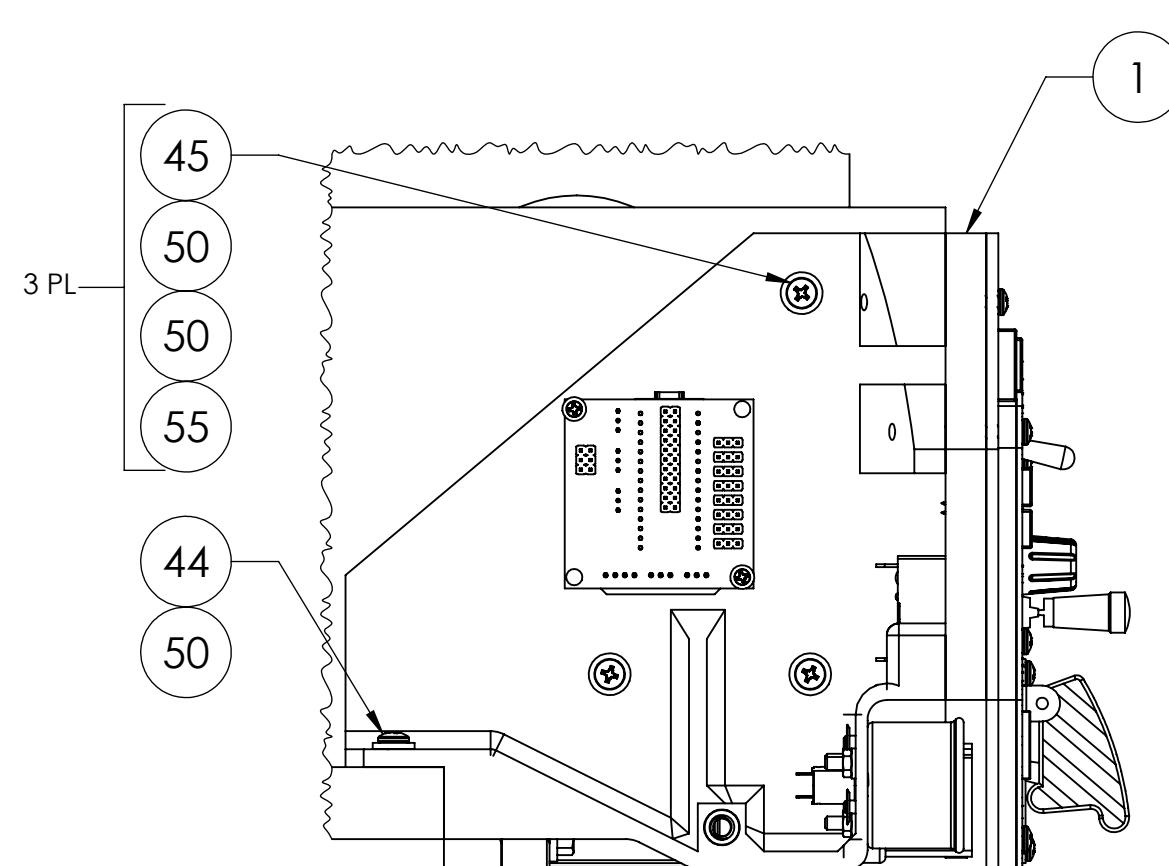
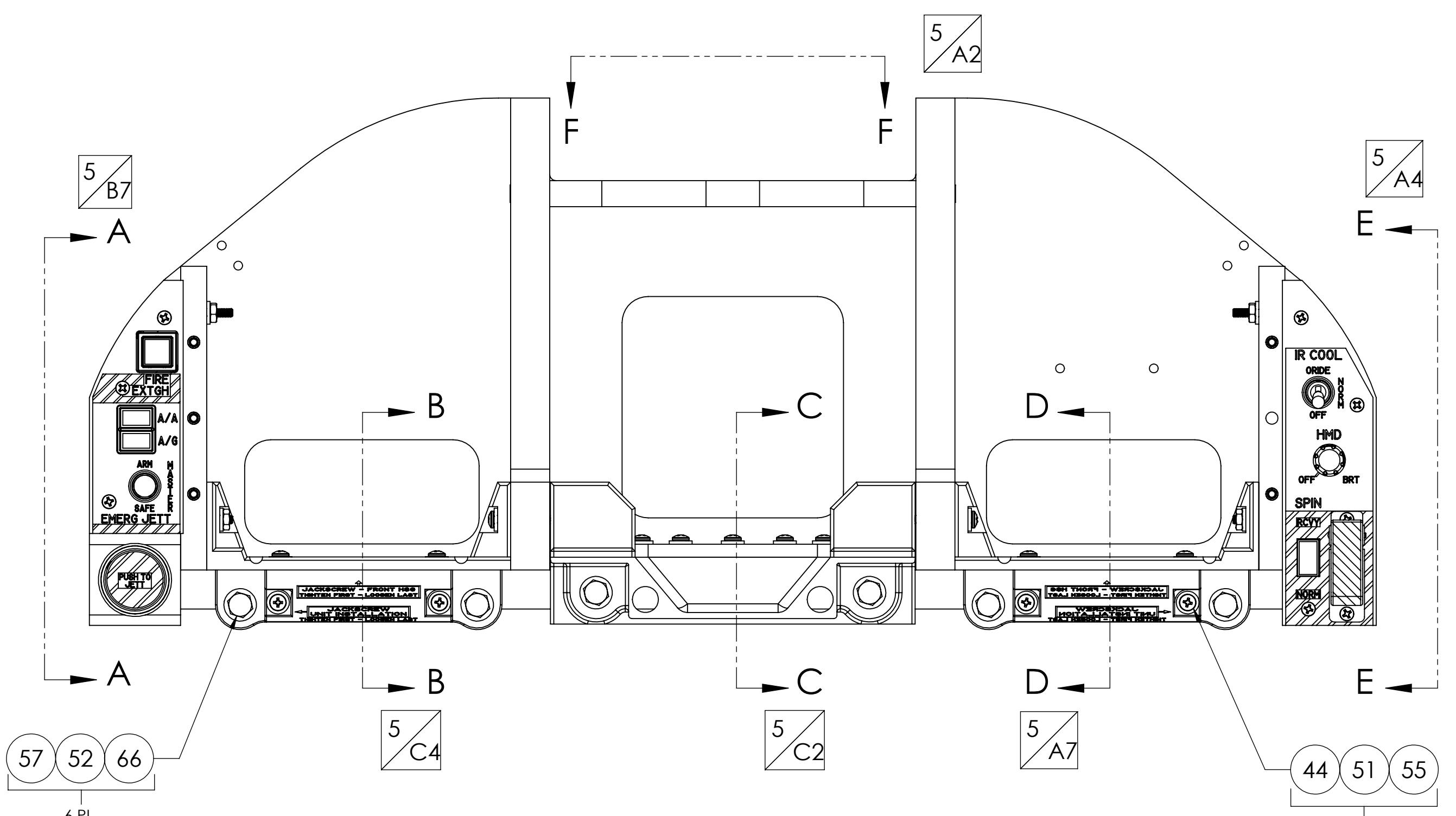
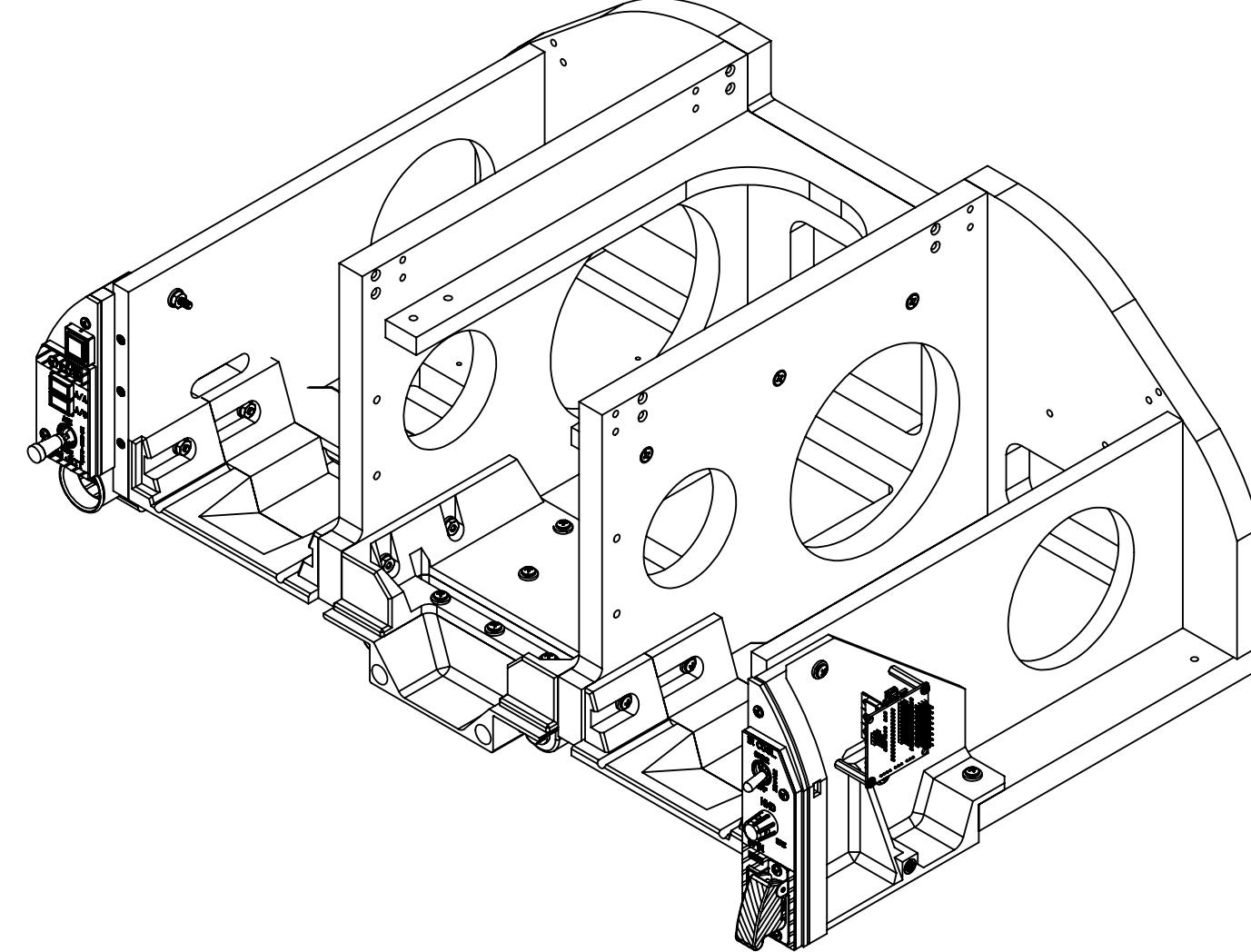
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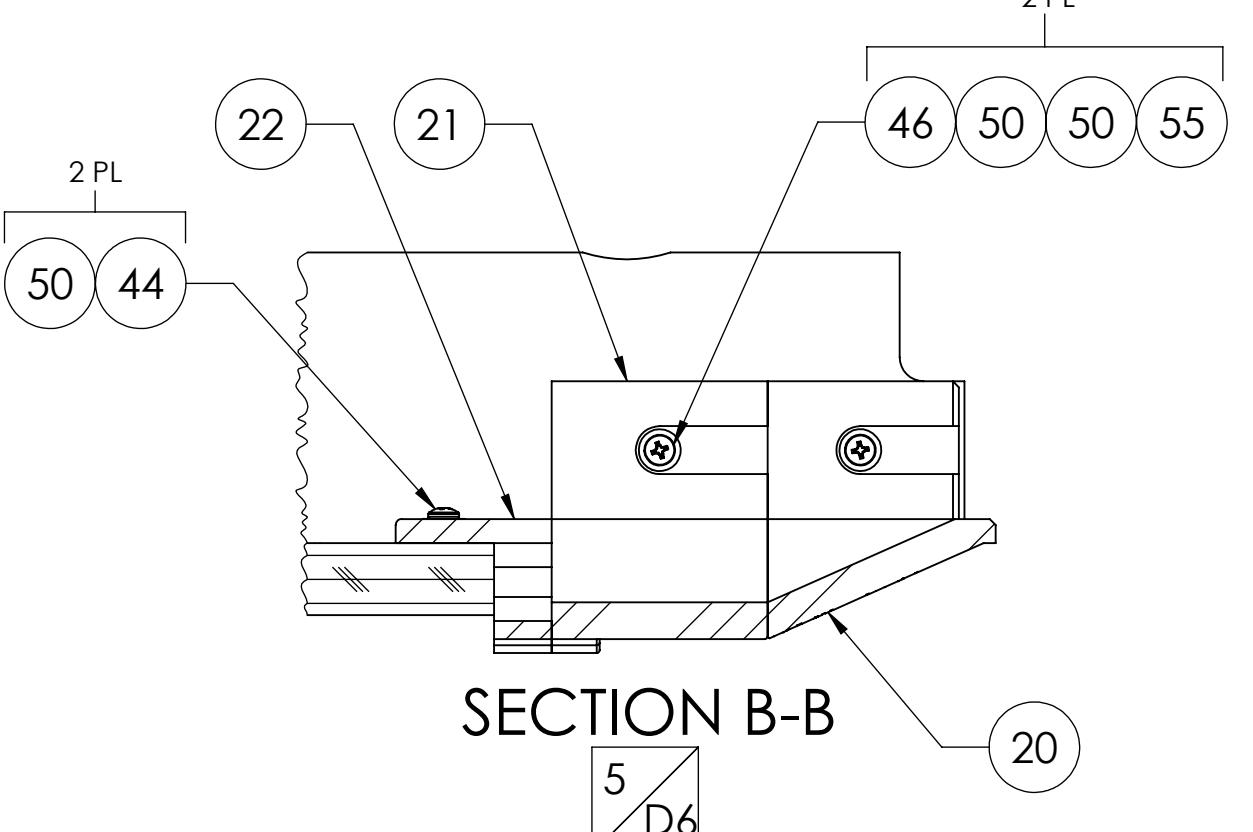
SIZE	DWG NO.
D	OH1A
REV.	A



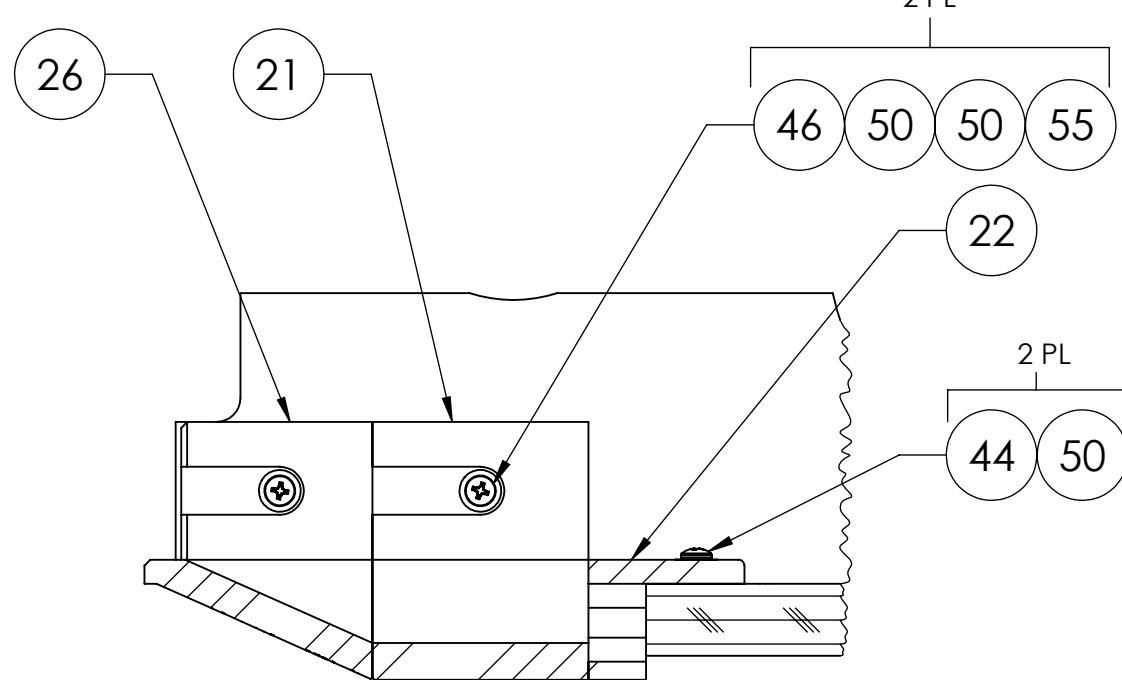
SHEET 4 OF 13



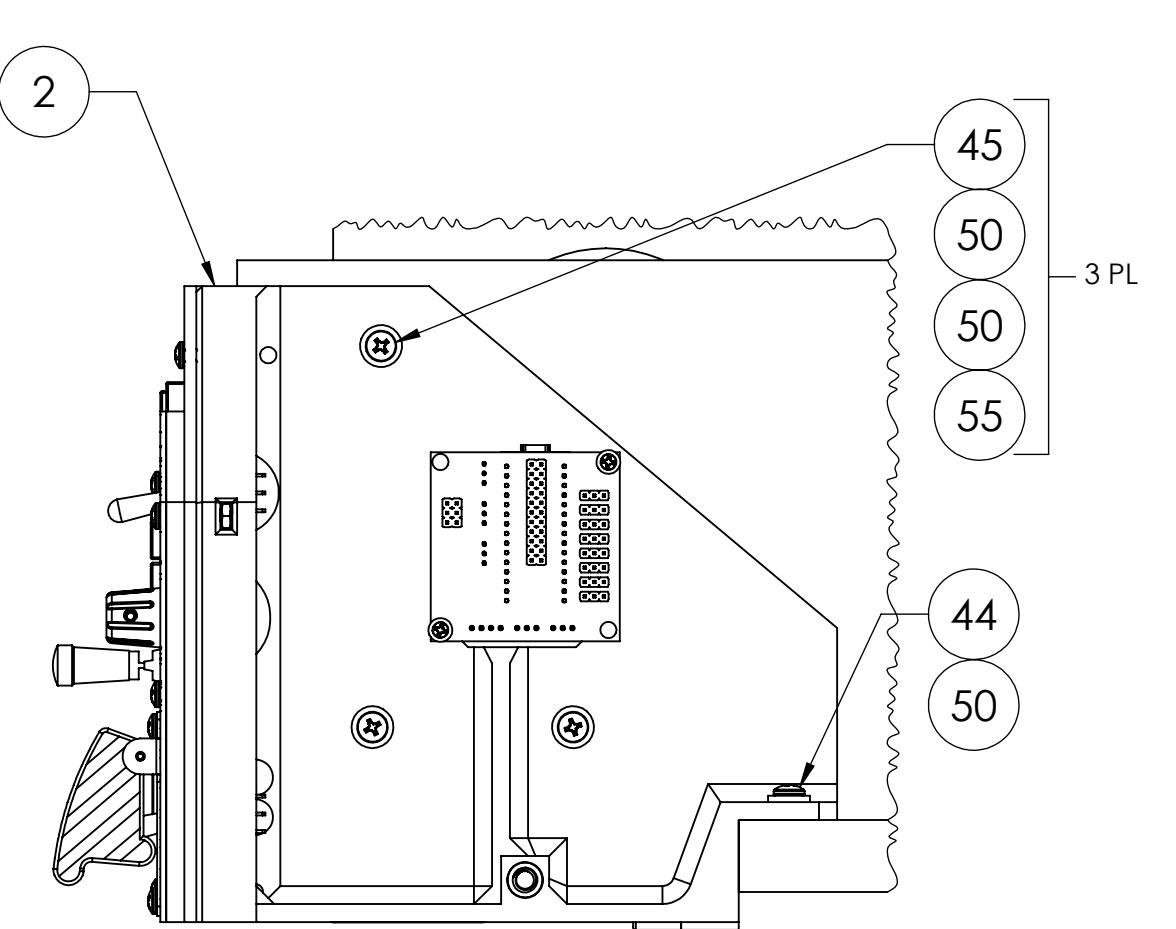
SECTION A-A



SECTION B-B



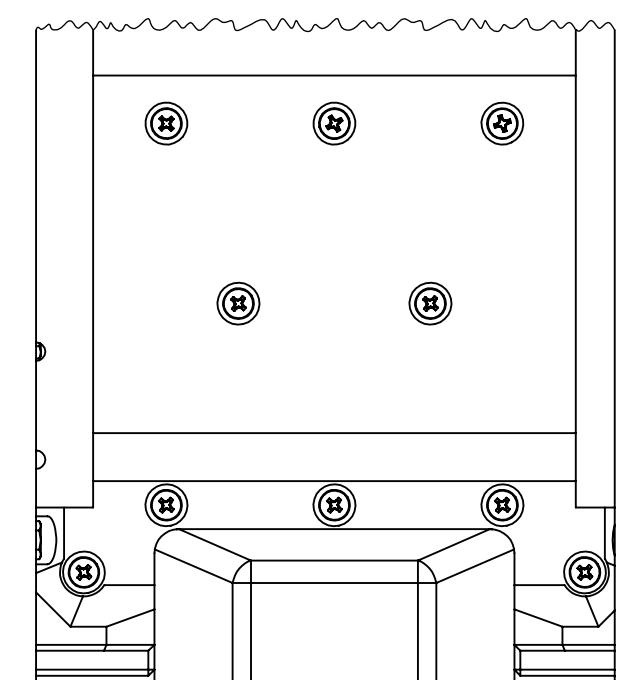
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

COMPONENT INSTALLATION
MASTER ARM PANEL, SPIN RECOVERY PANEL,
DDI AND UFC SUPPORTS

8 7 6 5 4 3 2 1

D

D

C

C

B

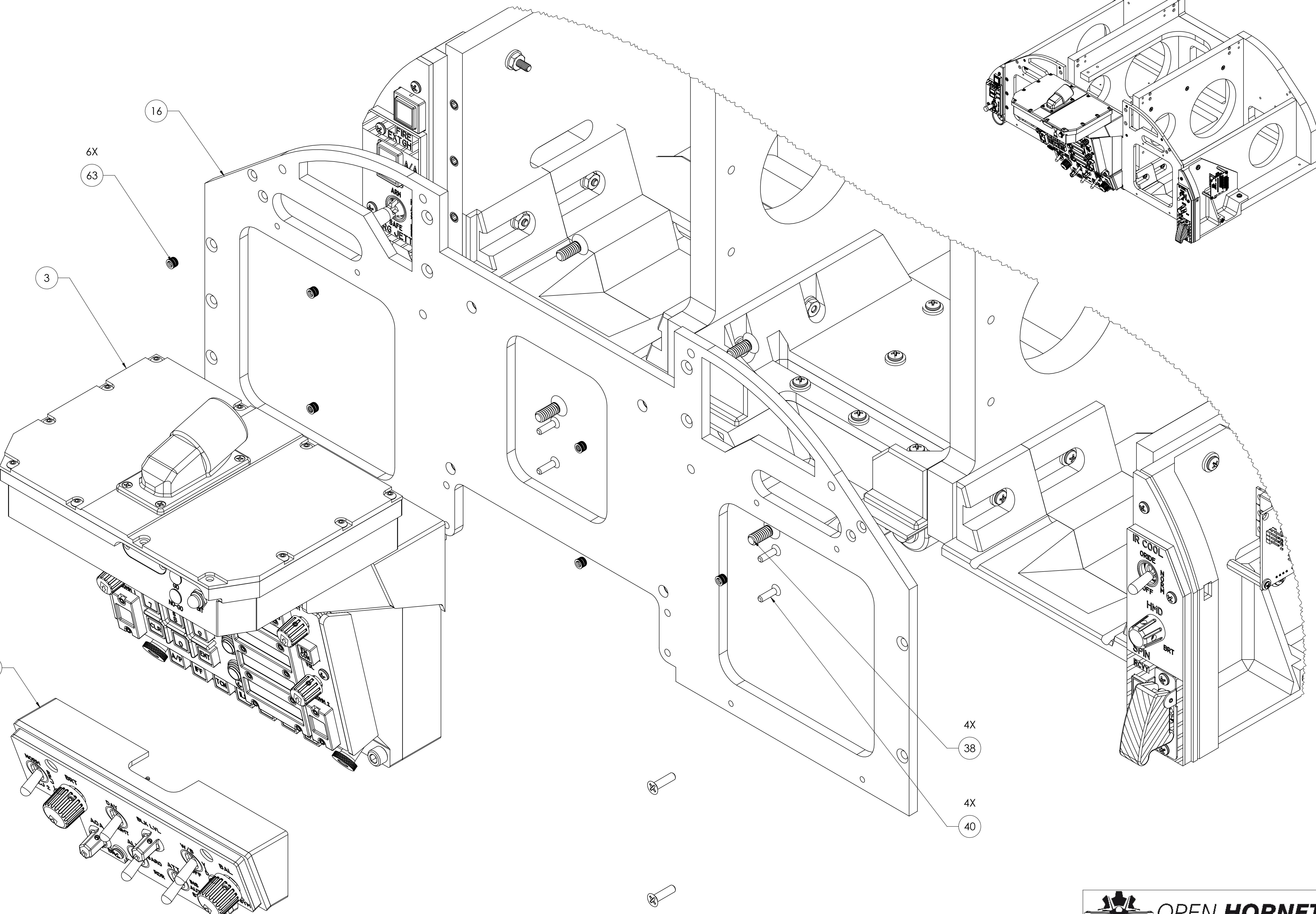
B

A

A

5X

42



COMPONENT INSTALLATION
UPFRONT CONTROL PANEL, HUD PANEL,
UIP FRONT PANEL

 OPEN HORNET
<https://www.OpenHornet.com>

SIZE DWG NO. D OH1A REV. A

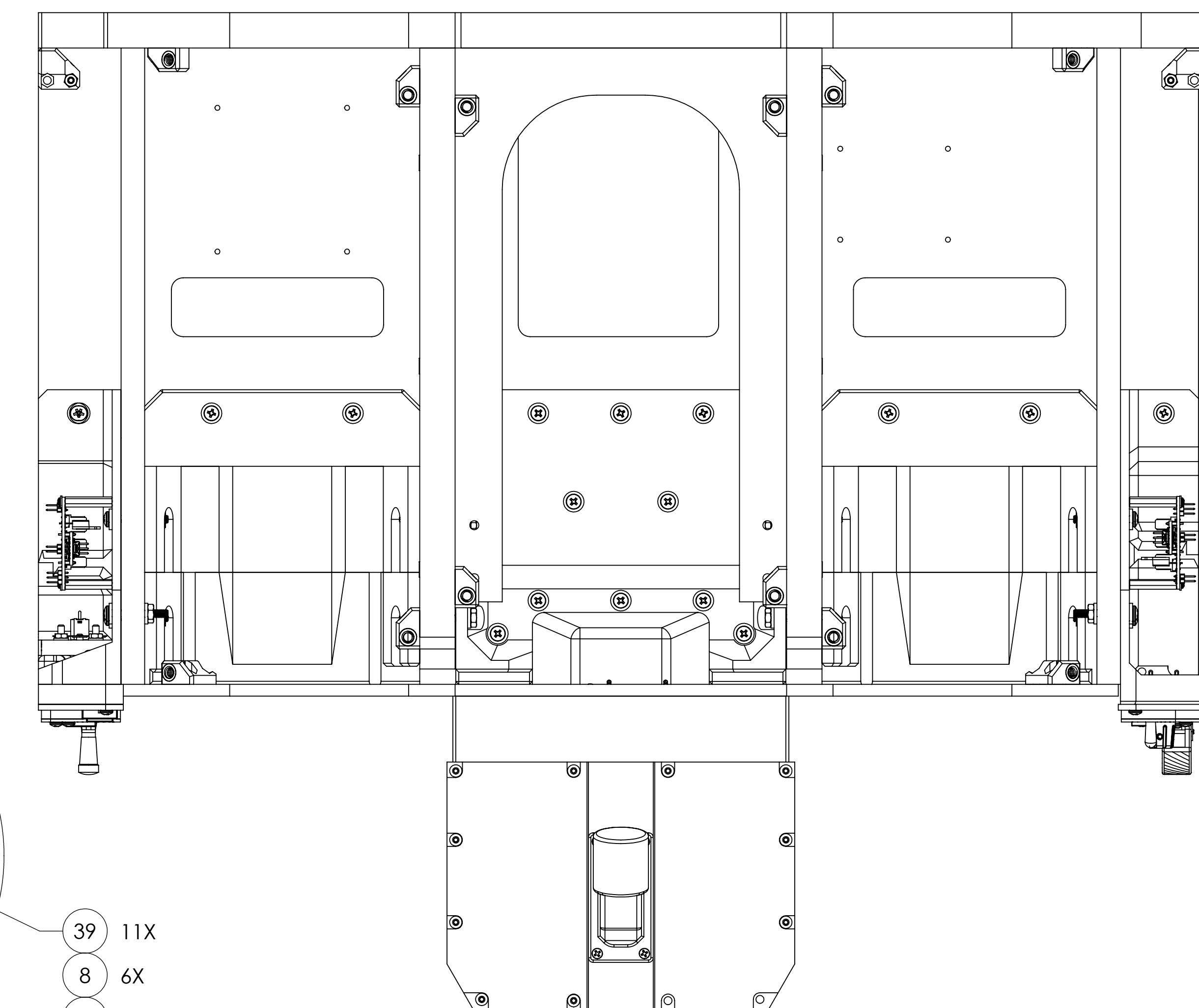
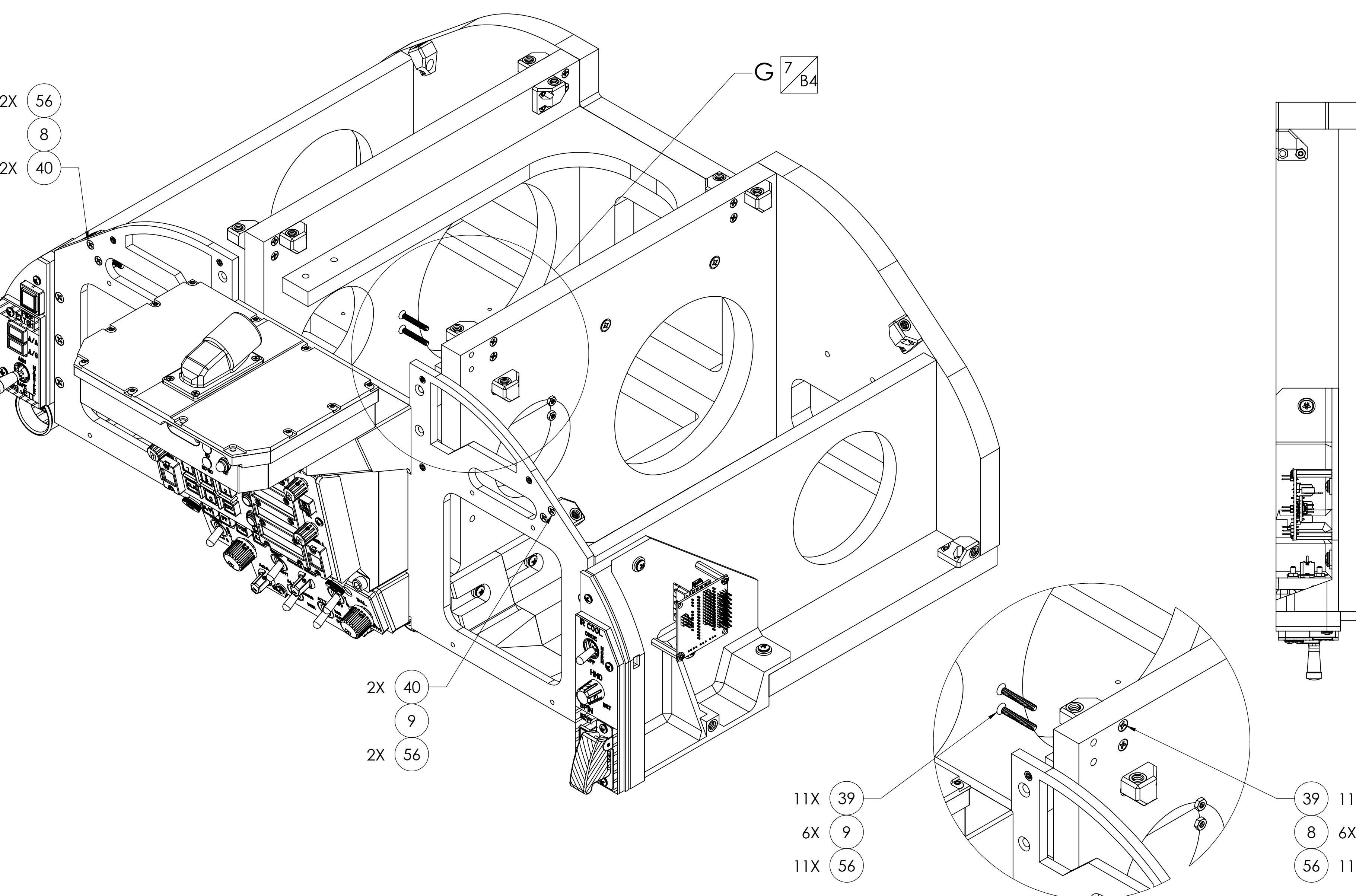


SCALE NONE SHEET 6 OF 13

8 7 6 5 4 3 2 1

D

D



DETAIL G

7 C7

COMPONENT INSTALLATION
GLARESHIELD MOUNTING TABS

OPEN HORNET
<https://www.OpenHornet.com>

SIZE DWG NO. REV.

D OH1A A

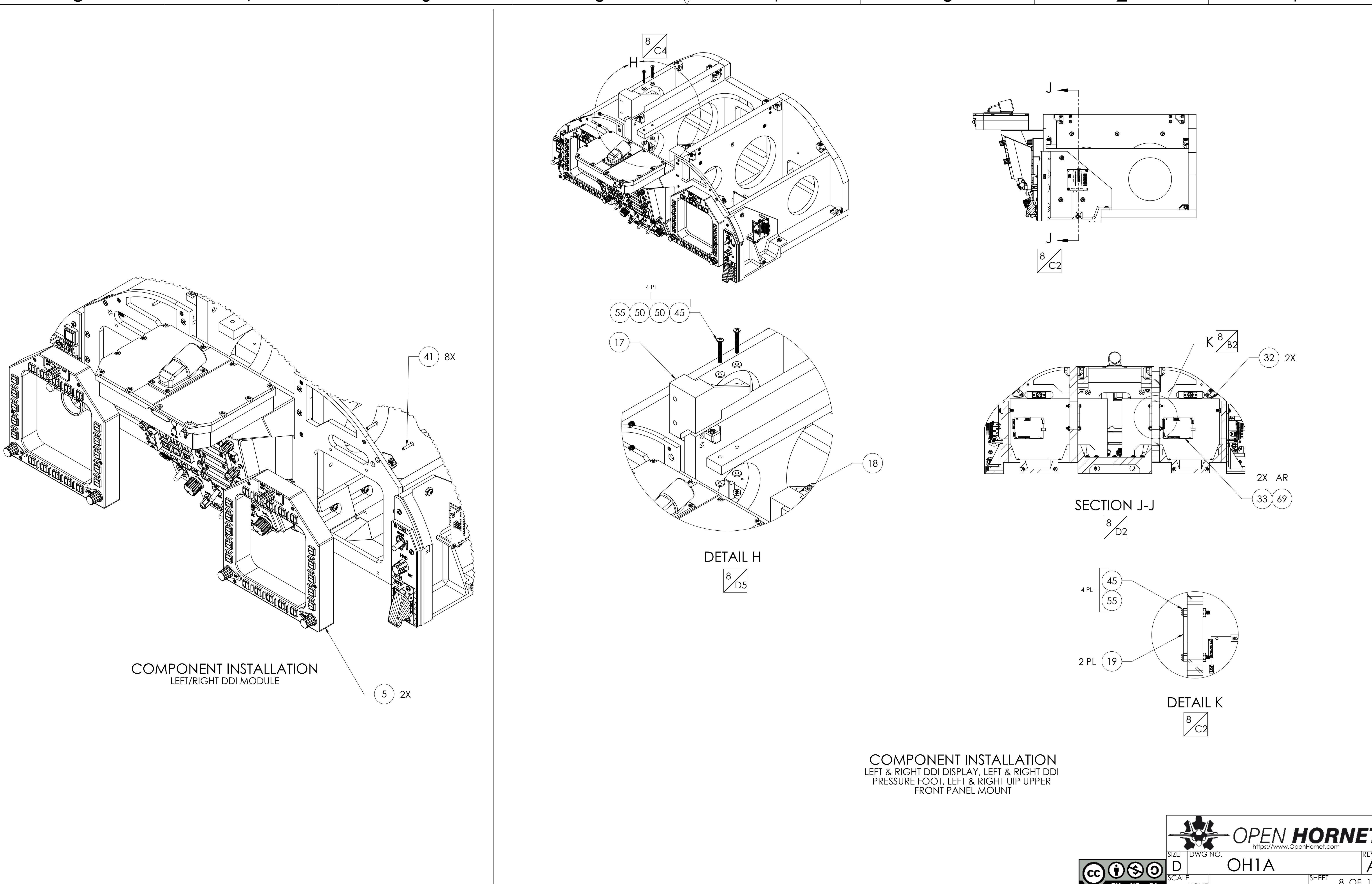


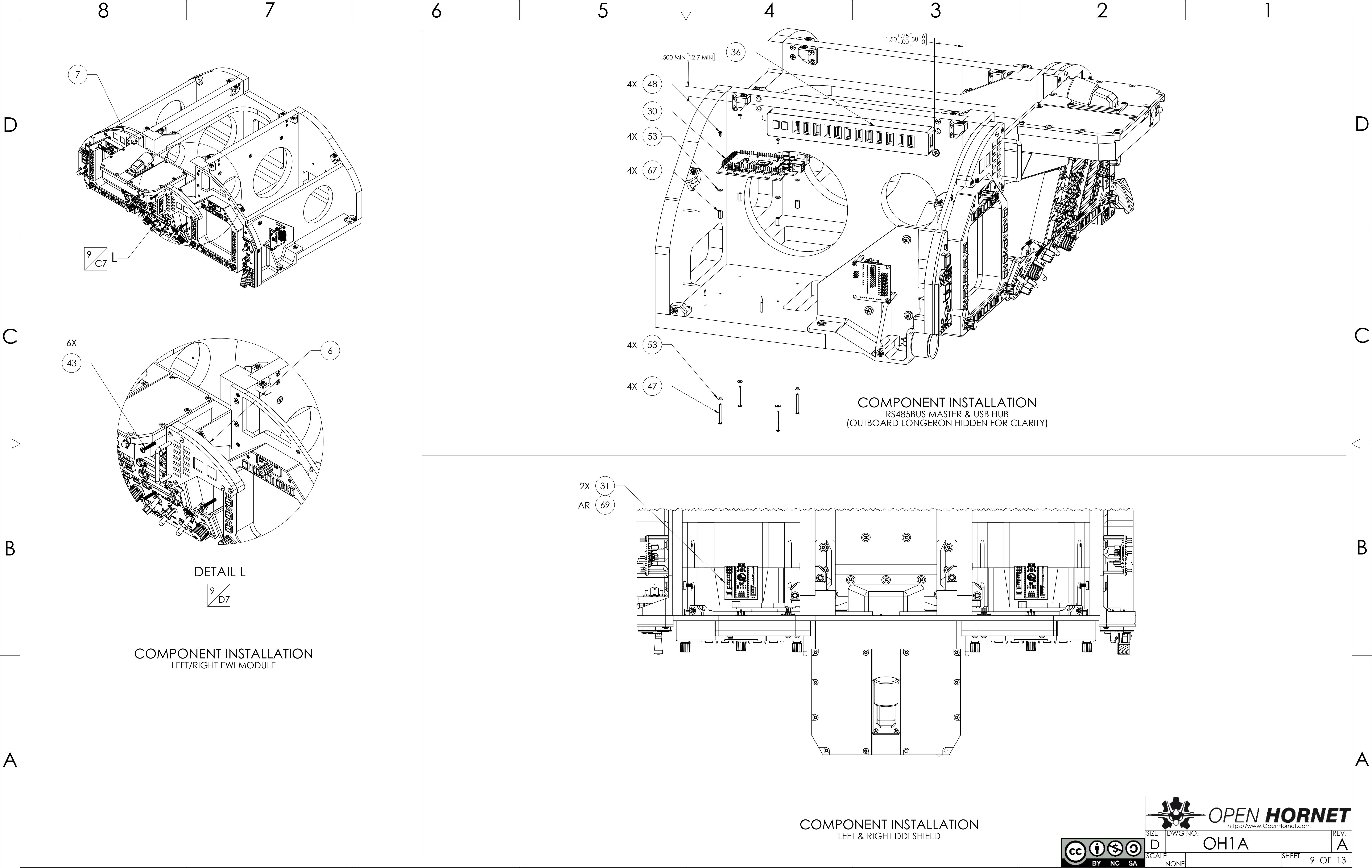
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SCALE NONE

SHEET 7 OF 13

8 7 6 5 4 3 2 1





OPEN HORNET
<https://www.OpenHornet.com>

SIZE D DWG NO.

OH1A

REV. A



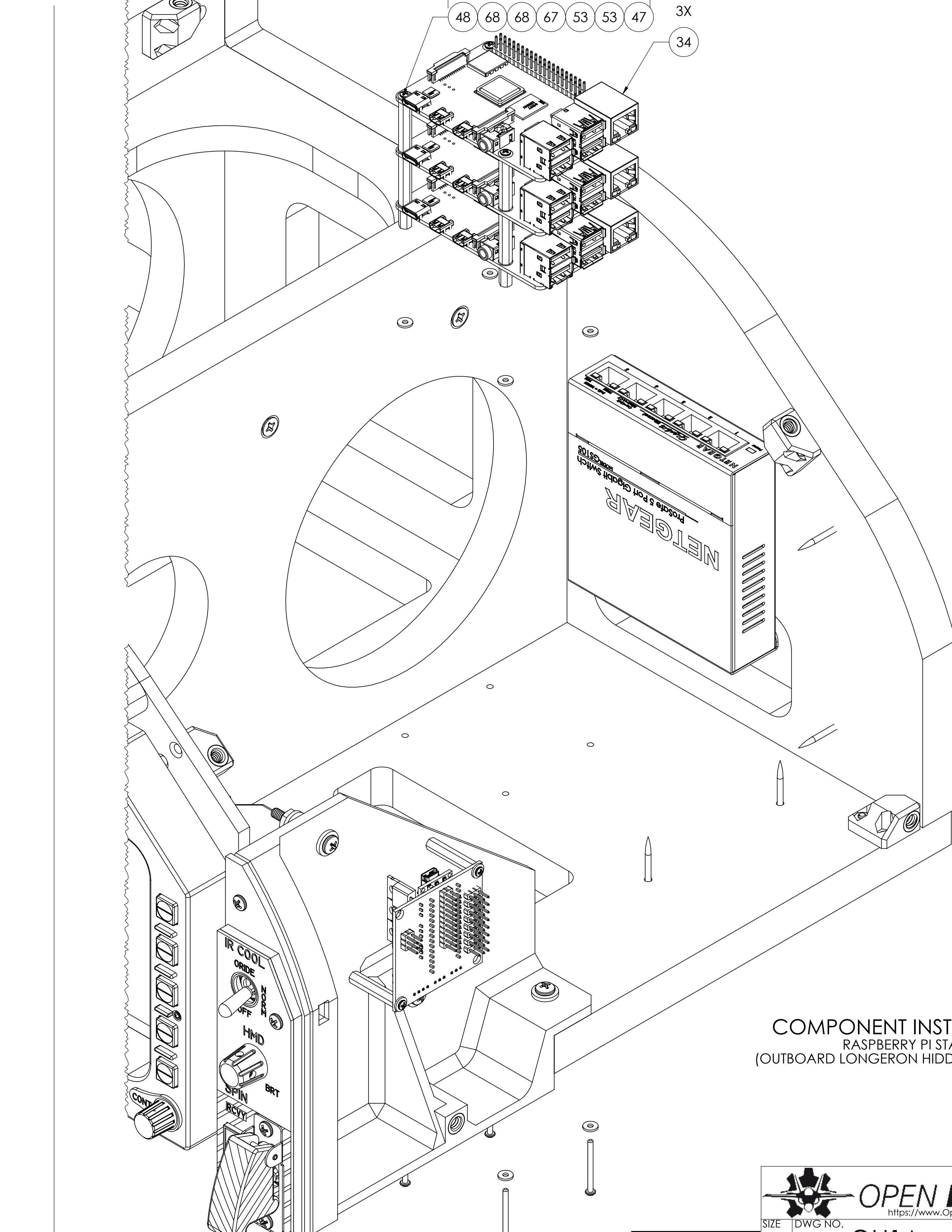
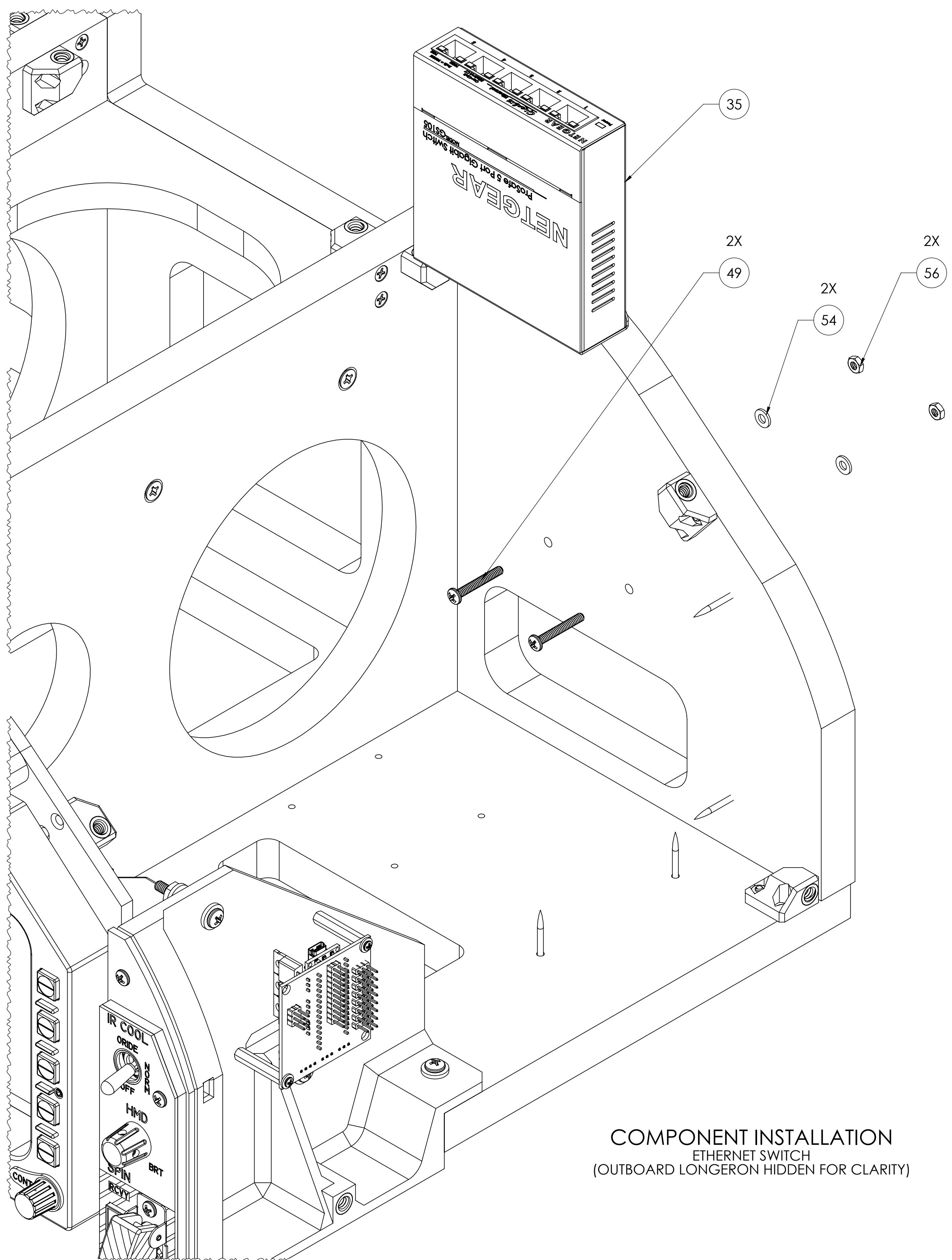
BY NC SA

SCALE NONE

SHEET 9 OF 13

8 7 6 5 4 3 2 1

D
C
B
A

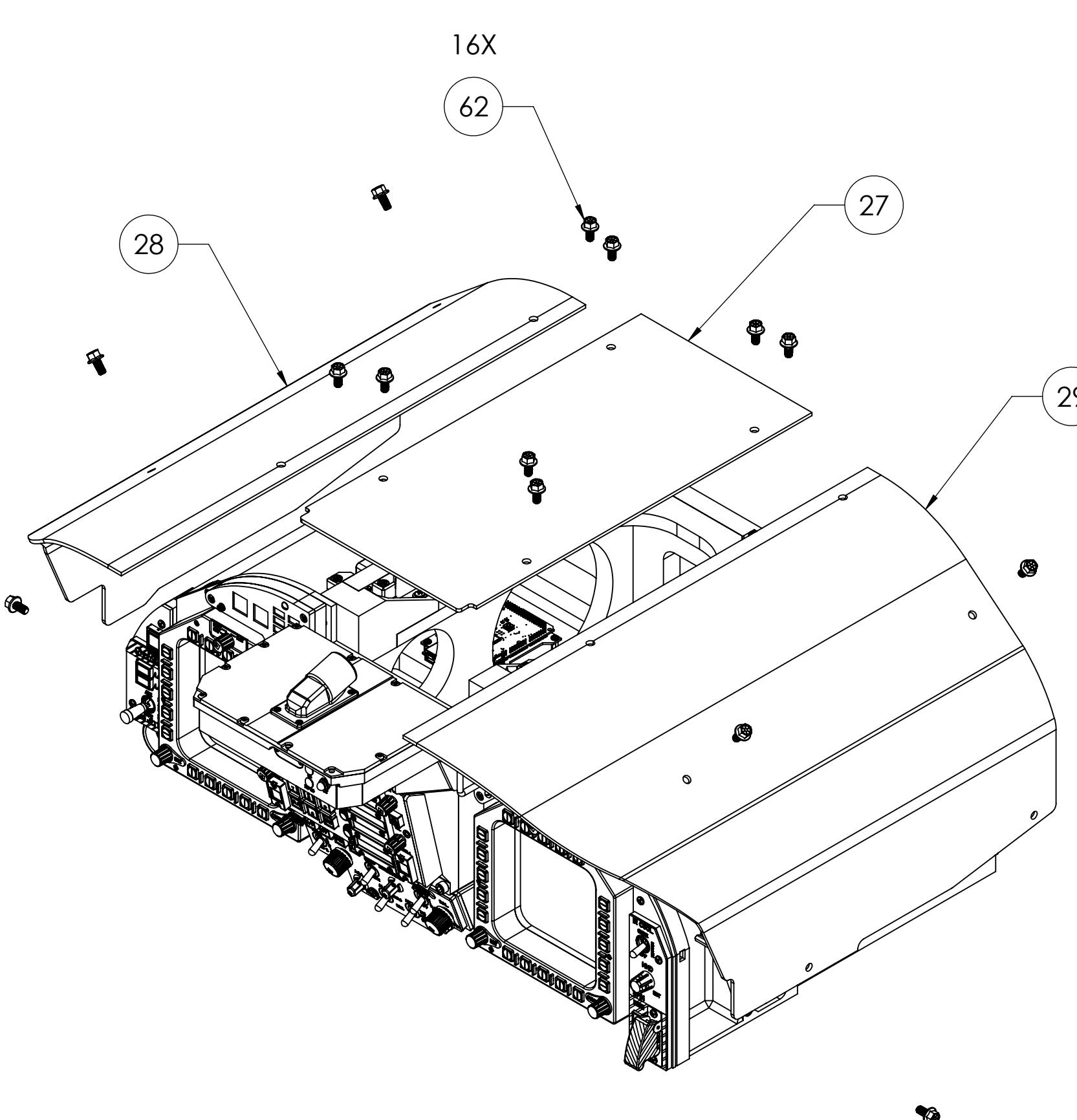


COMPONENT INSTALLATION
RASPBERRY PI STACK
(OUTBOARD LONGERON HIDDEN FOR CLARITY)

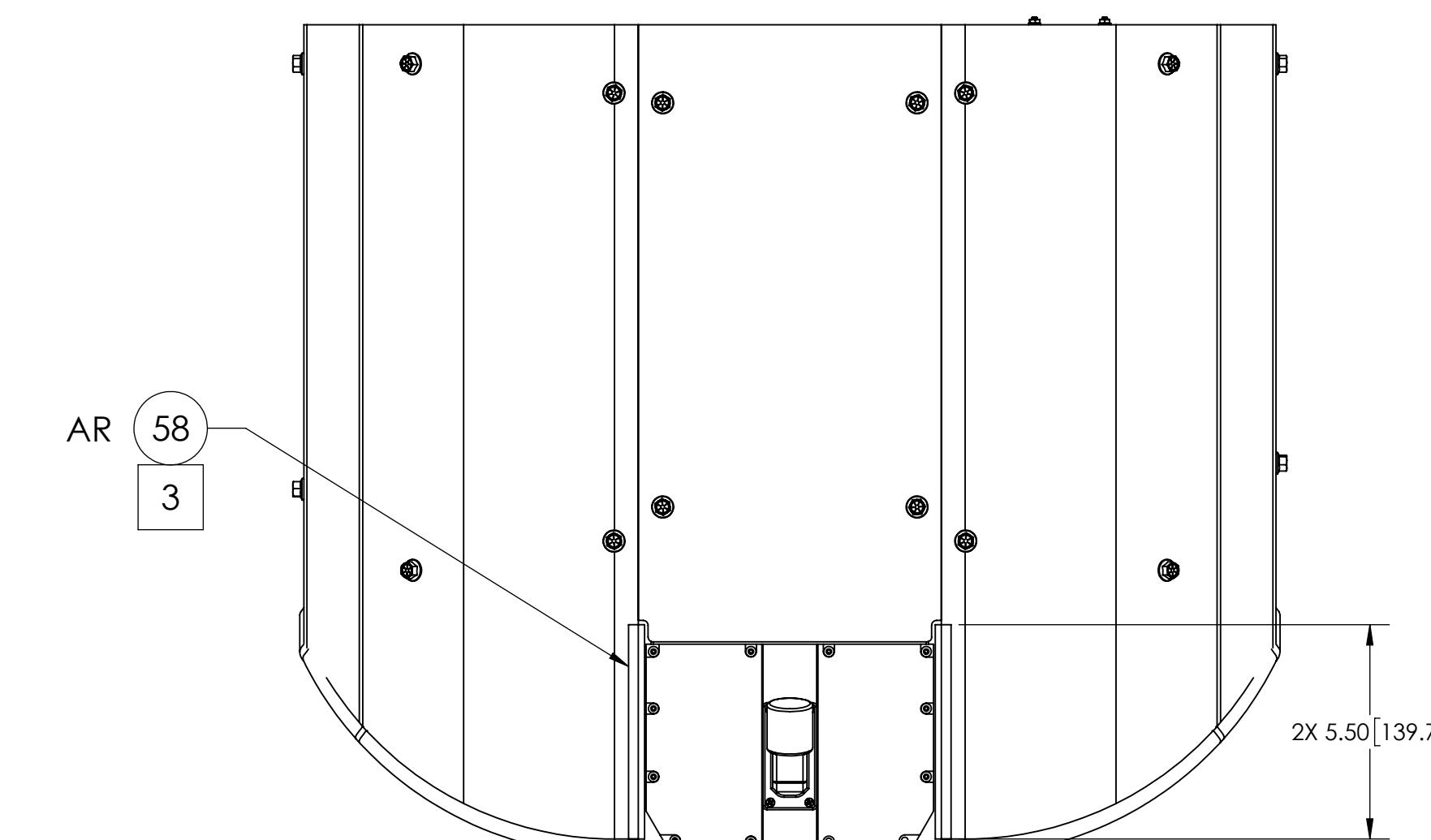
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D

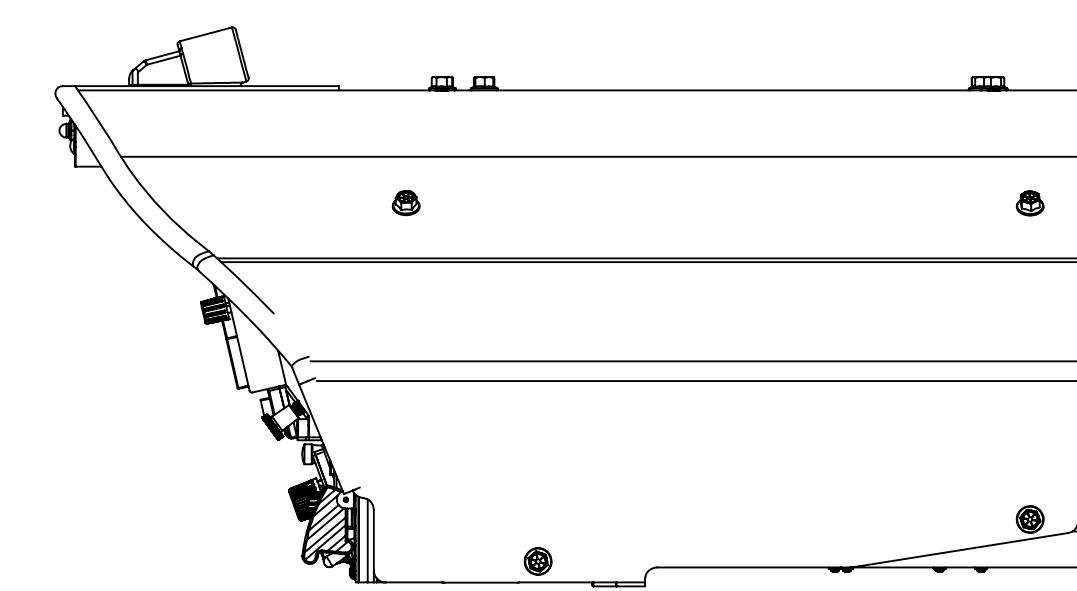
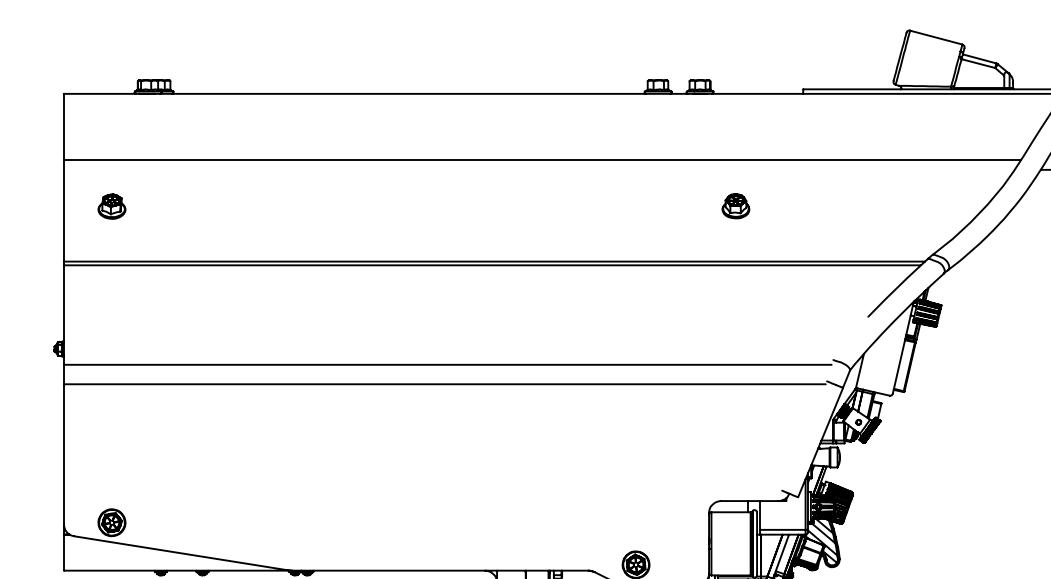
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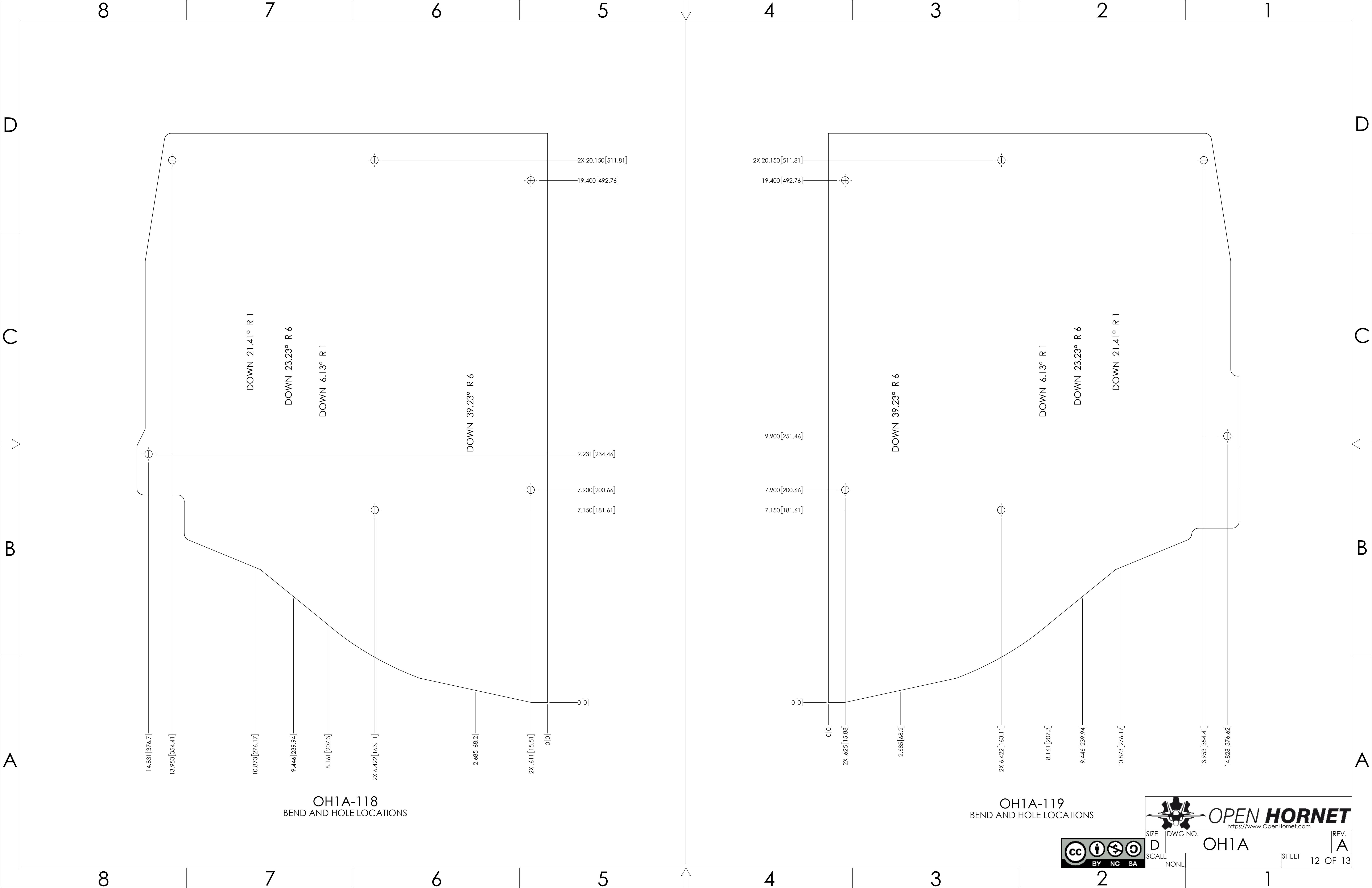
COMPONENT INSTALLATION
GLARESHIELDS

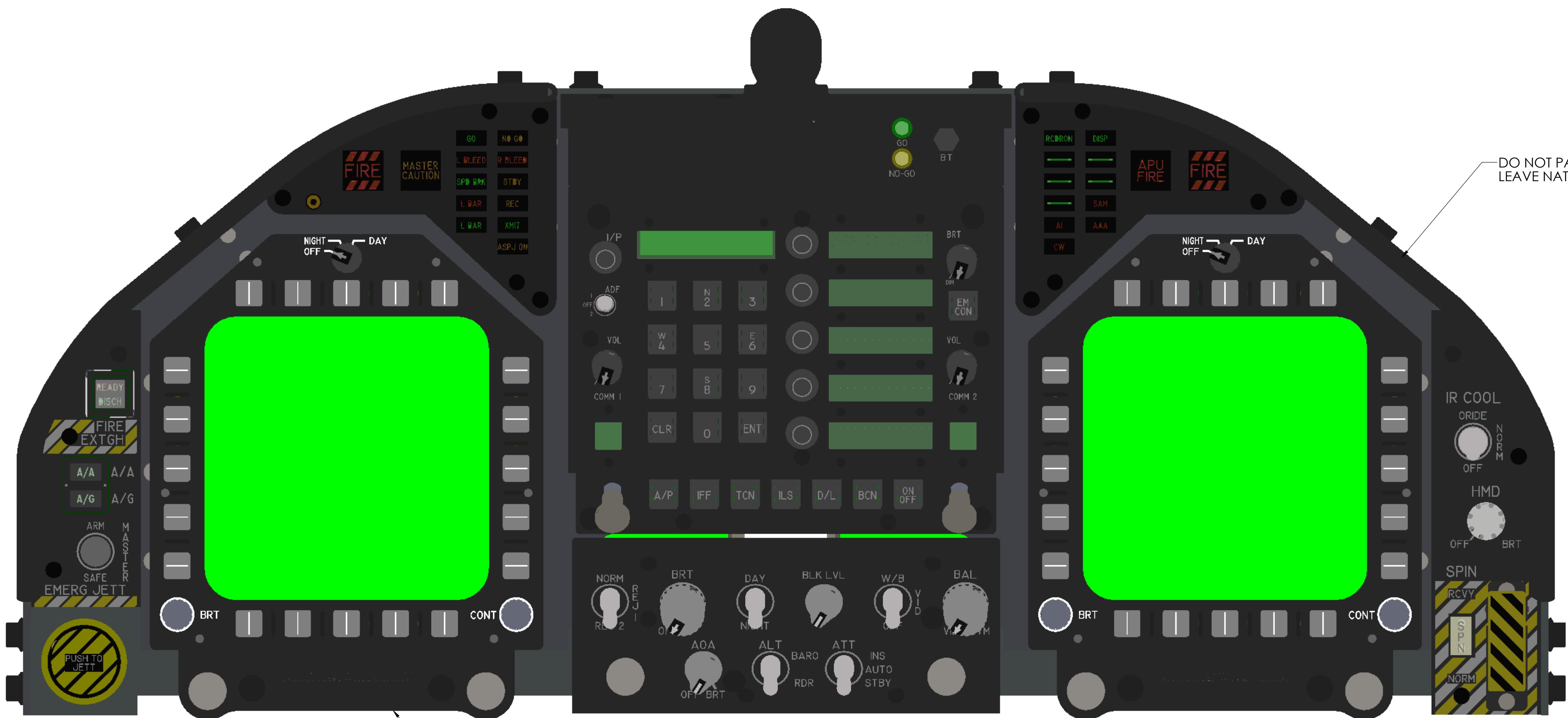


COMPONENT INSTALLATION
GLARESHIELD TRIM



8 7 6 5 4 3 2 1





FS37038, LUSTERLESS BLACK (EXTERIOR SURFACES)
 FS37875, INSIGNIA WHITE (LEGENDS)
 APPLIES TO LEFT/RIGHT MFD SUPPORTS AND HUD PANEL SUPPORT

PAINT DIAGRAM



OPEN HORNET
<https://www.OpenHornet.com>

SIZE DWG NO.

D

REV.

OH1A



SCALE

NONE

SHEET

13 OF 13