

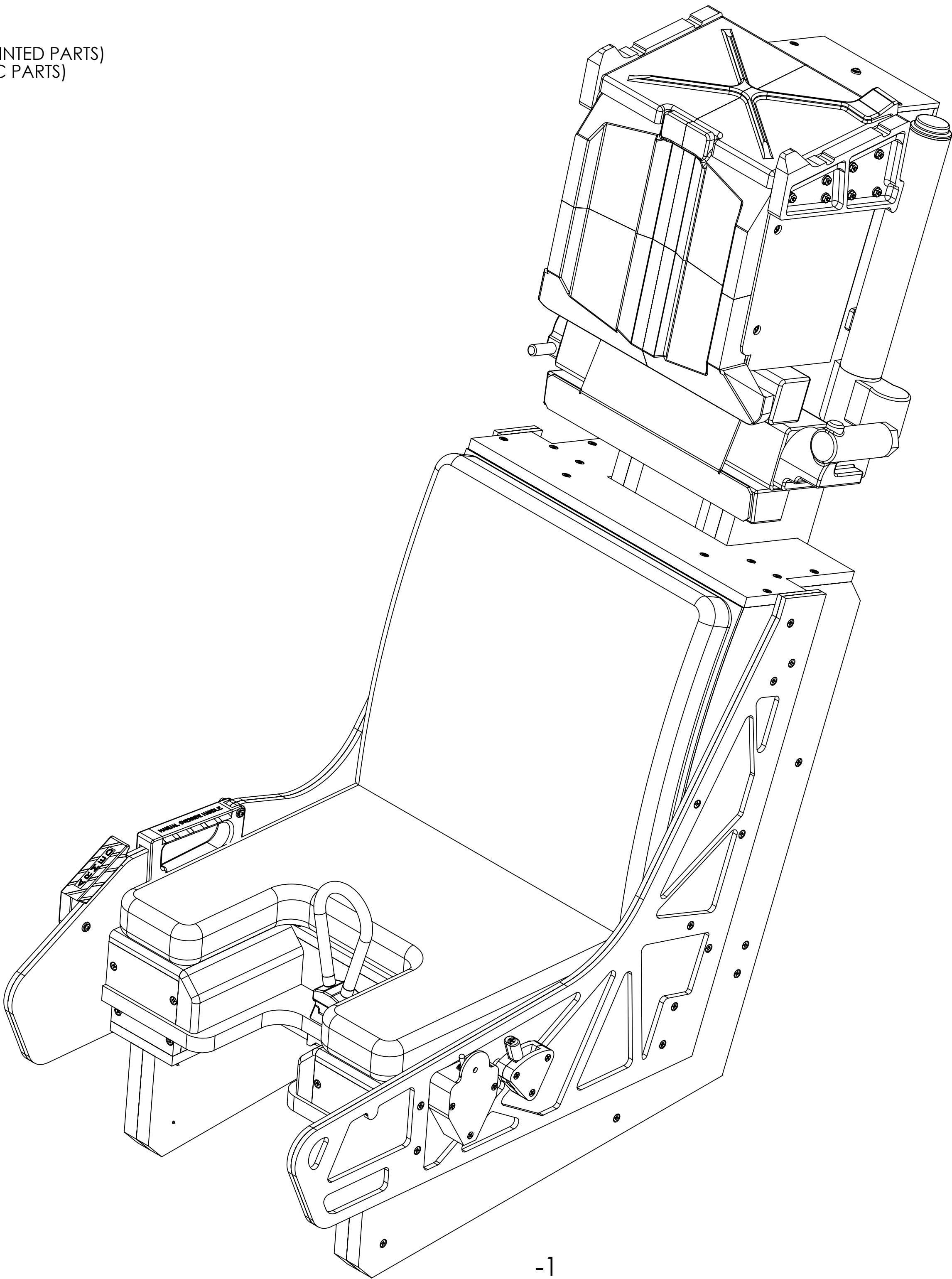
NOTES: UNLESS OTHERWISE SPECIFIED (UOS)

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]: OH3A2A-[APPLICABLE DASH] - [APPLICABLE DESCRIPTION].STL (PRINTED PARTS)
 - [APPLICABLE DASH(S)]: OH3A2A-1_SH[SHEET #]_ [SHEET THICKNESS]_MDF.DXF (MDF CNC PARTS)
 - [APPLICABLE DASH(S)]: OH3A2A-1_.125 ACRYLIC.DXF
 - [APPLICABLE DASH(S)]: OH3A2A-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.
4. MAKE SEAT PAN CUSHION, FN XX, FROM BLACK CANVAS/NYLON FABRIC WITH BLACK FAUX-LAMBSKIN UPPER SURFACES. FILL WITH 1.0" THK EVERFLEX V24 FOAM (TOP LAYER) (OR SIMILAR) AND EVERFLEX V54 MEDIUM-FIRM FOAM (BOTTOM LAYER) (OR SIMILAR). INSTALL TO SEAT WITH ADHESIVE BACKED VELCRO.
5. MAKE SEAT BACK CUSHION, FN XX, FROM BLACK CANVAS/NYLON FABRIC. FILL WITH 2.0" THK EVERFLEX V24 FOAM (OR SIMILAR). INSTALL TO SEAT WITH ADHESIVE BACKED VELCRO.

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


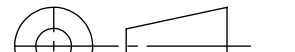

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	-	INITIAL RELEASE	12/02/2019
	A	REVISED IAW GITHUB ISSUE #118	12/9/2019
	B	REVISED NOTE 1 FOR PROPER FILE NAMES	12/14/2019

B_R1 REVISED IAW GITHUB ISSUE #180 04/16/2020

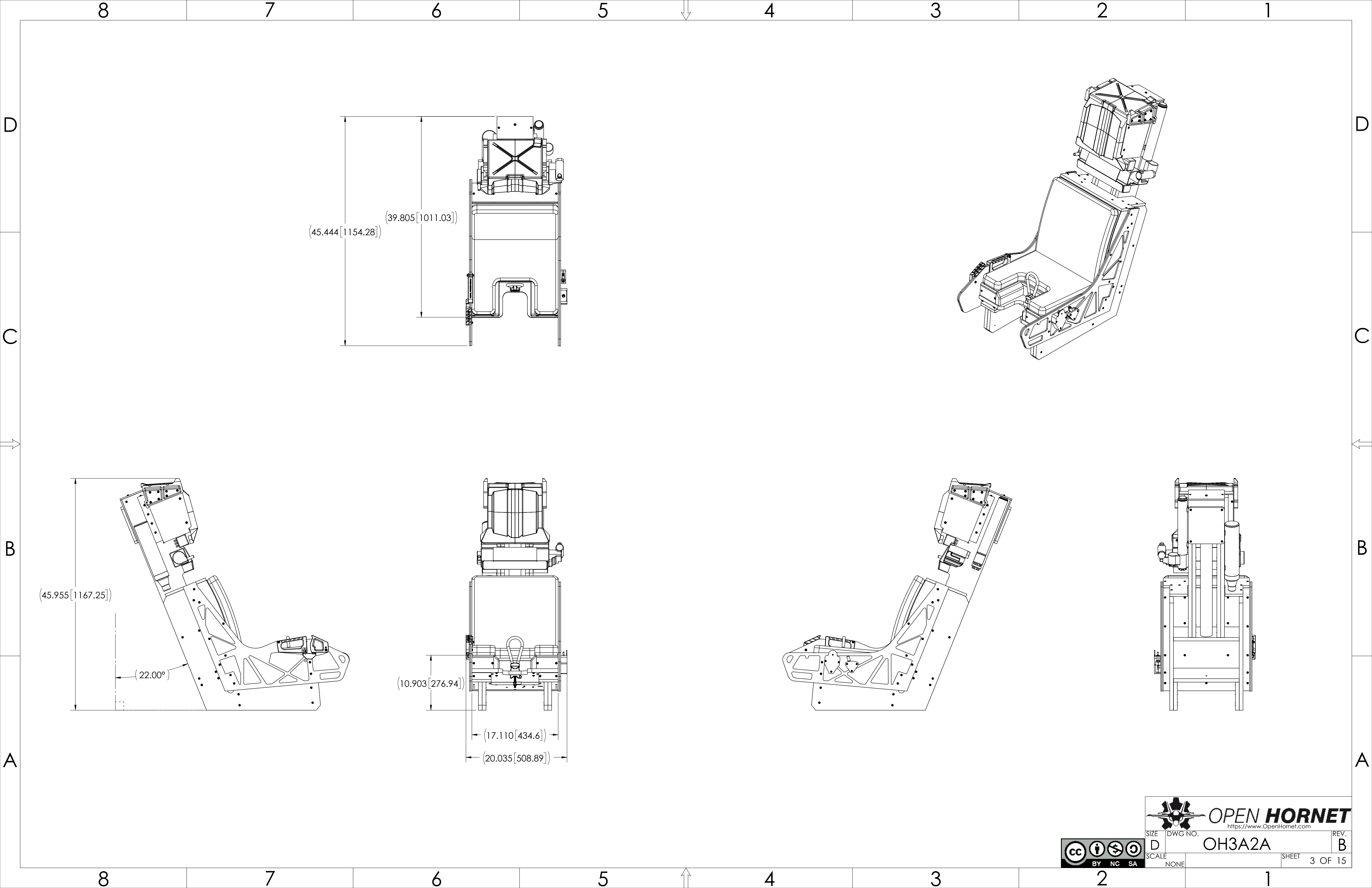


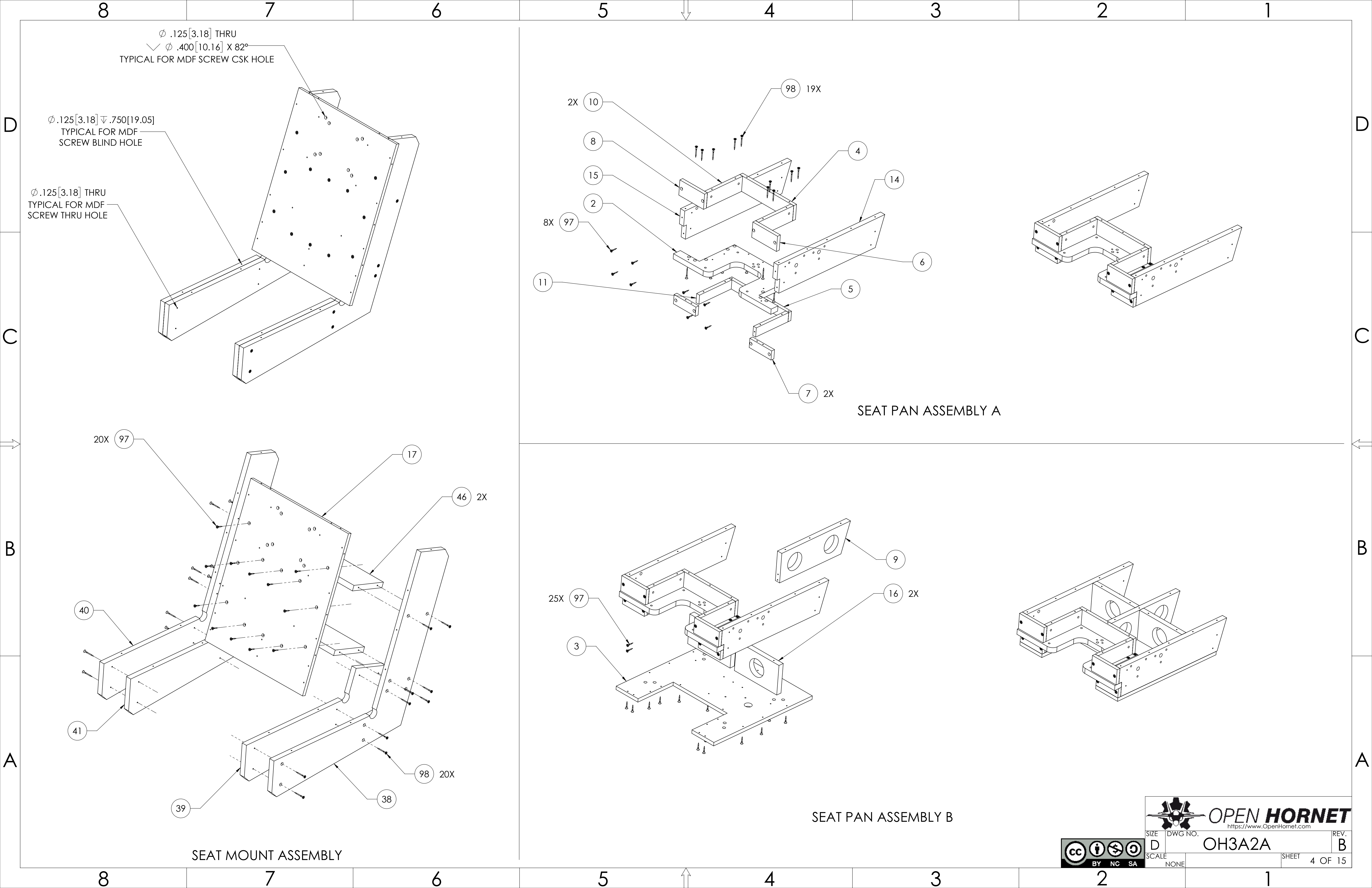
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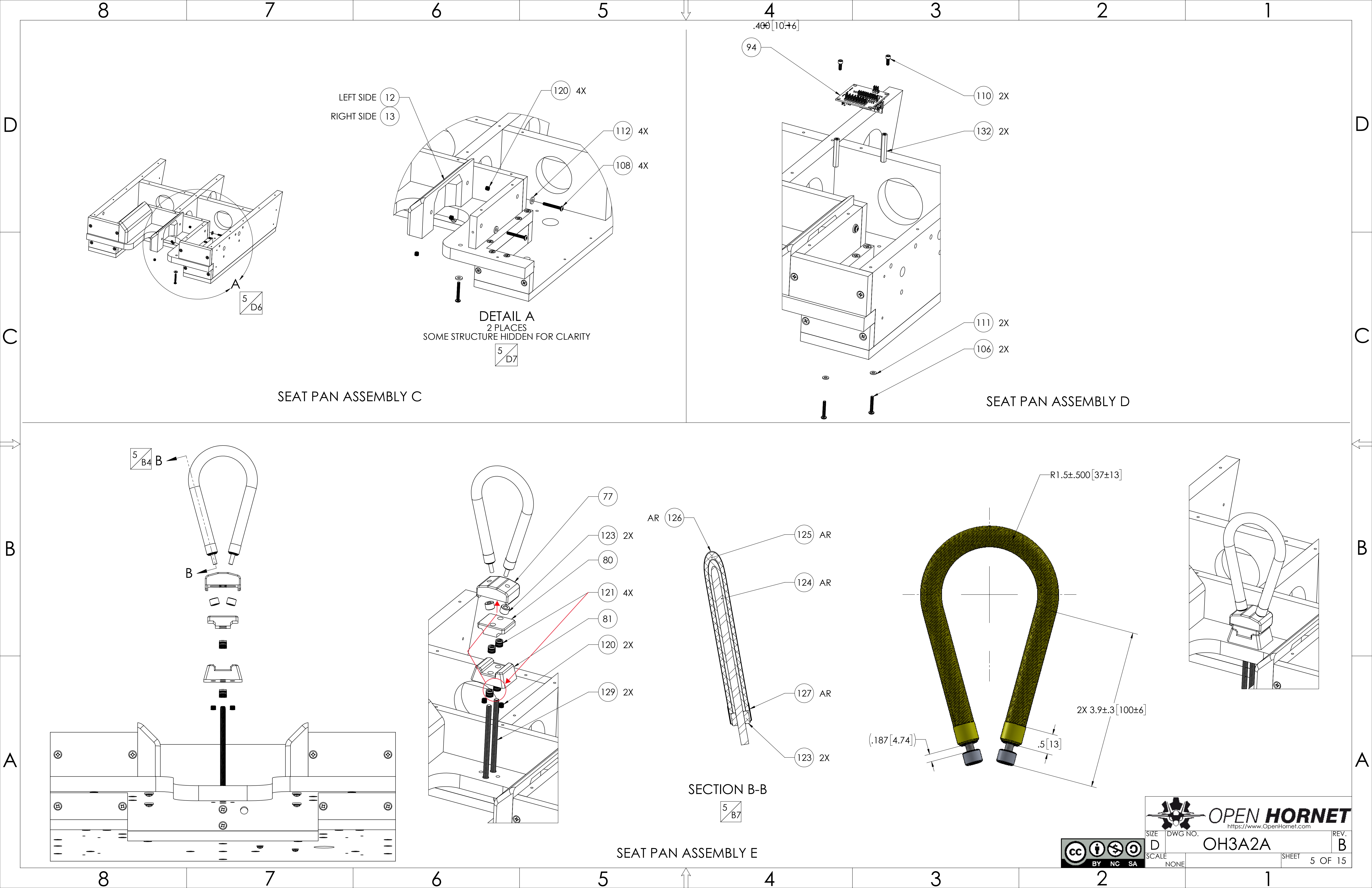
SEE PARTS LIST ON SHEET 2

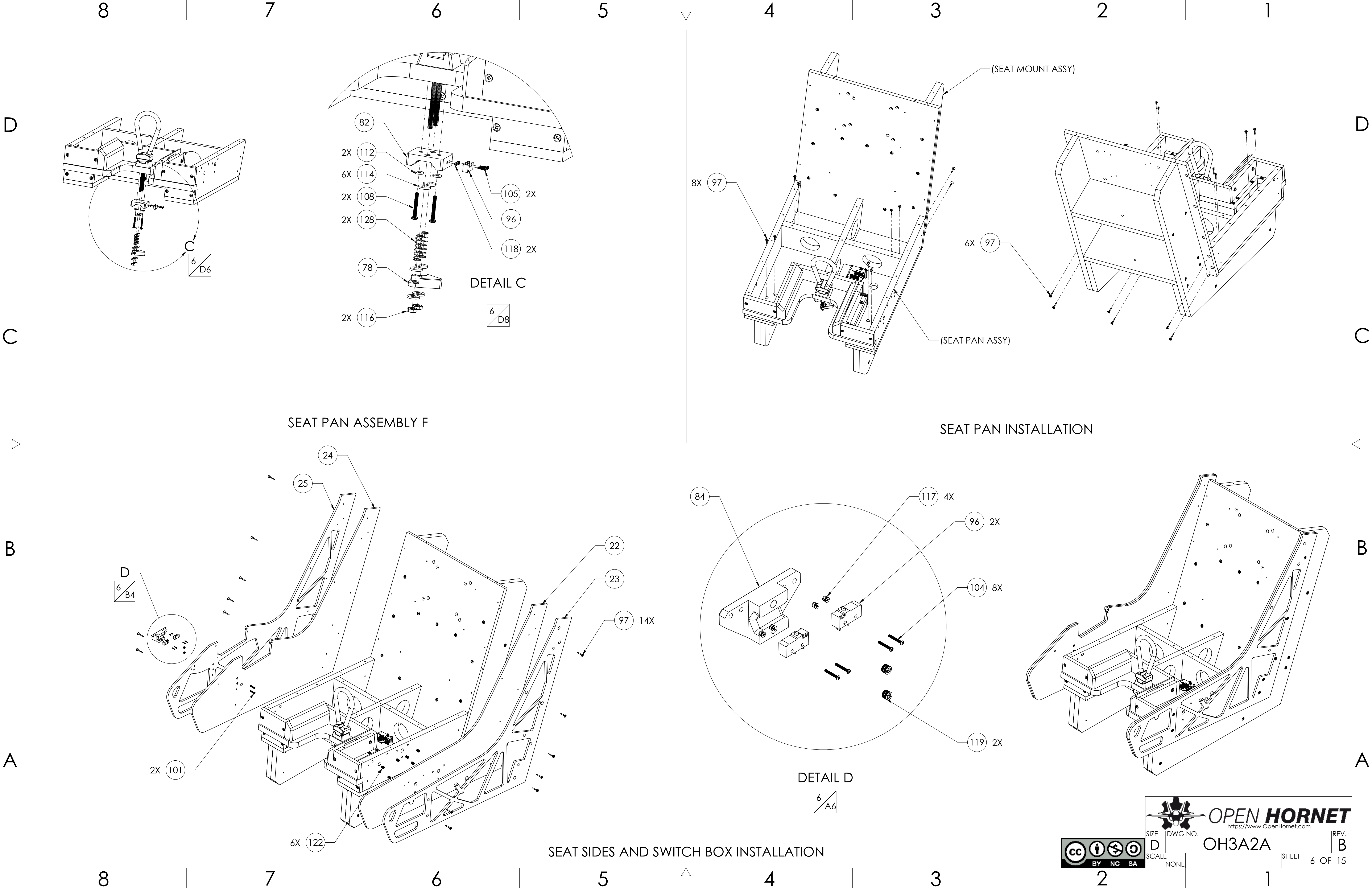
		THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED:		UOS INCH TOLERANCES ARE:		 OPEN HORNET https://www.OpenHornet.com	
				DIMENSIONS ARE IN INCHES.		DECIMALS: .X ± .1 .XX ± .03 .XXX ± .010		ANGLES: MACHINED ±0°30' LOCATING ±0°30' FORMED ±2° CHAMFERS ±5°	
		APPROVALS	DATE	DUAL DIMENSIONS ARE IN MILLIMETERS AND ENCLOSED IN SQUARE BRACKETS.		HOLE DIAMETERS:			
		DRAWN	02/12/2019	INTERPRET DRAWING IAW ASME Y14.100-2013.		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			
		MATERIAL		INTERPRET DIM AND TOL IAW ASME Y14.5-2009.					
		SEE PARTS LIST		REMOVE ALL BURRS AND SHARP EDGES TO .1 MAX.					
		FINISH		DIMENSIONS APPLY BEFORE FINISH.					
		SEE FINISH SPEC							
									
OH0A		TOP LEVEL				SIZE		DWG NO.	
NEXT ASSY		USED ON				D		OH3A2A	
APPLICATION						SCALE		REV.	
						NONE		B	
								SHEET 1 OF 15	

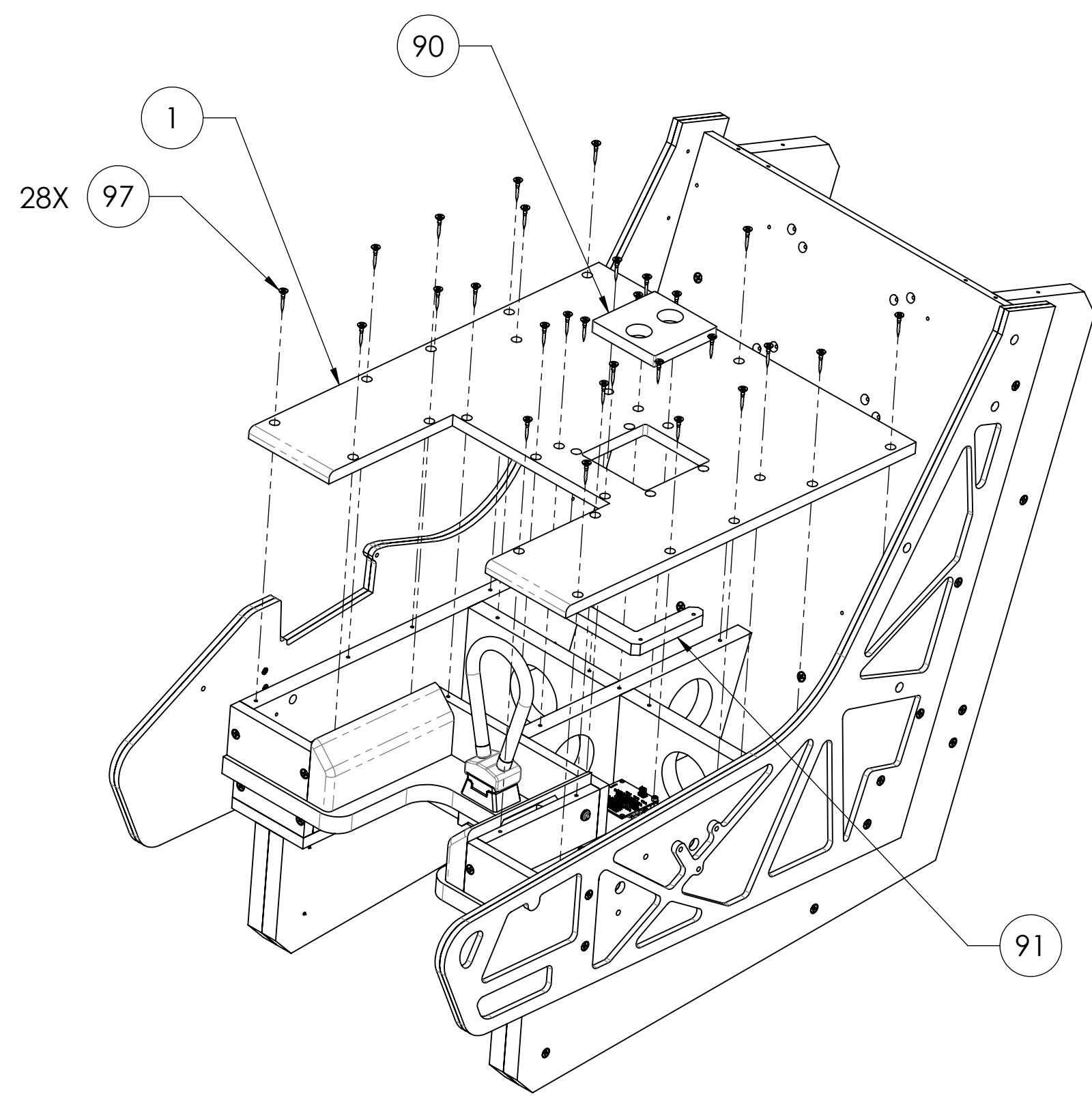
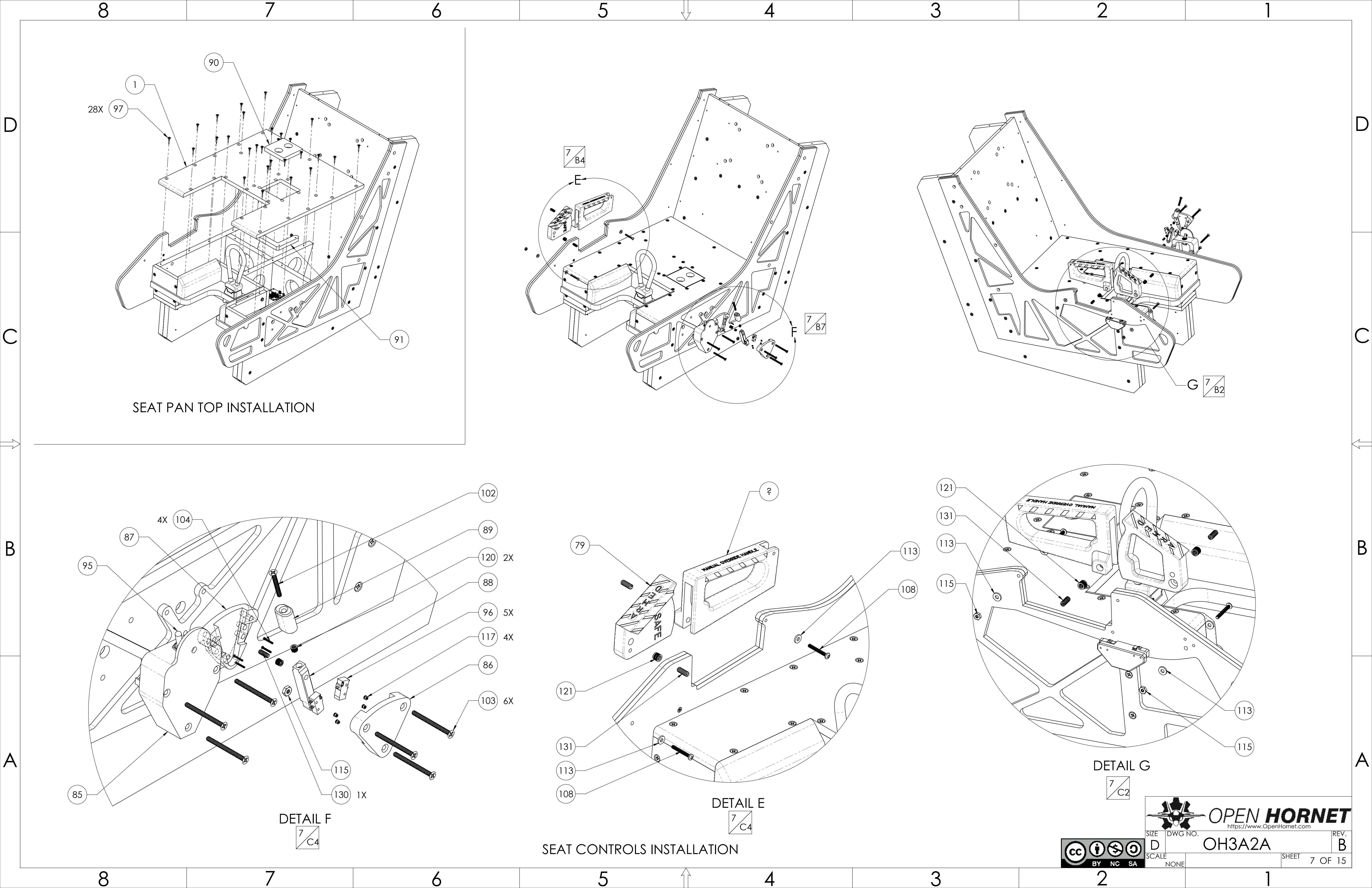
D	8			7			6			5			4			3			2			1		
	PARTS LIST			PARTS LIST																				
	QTY.	PART NUMBER	DESCRIPTION	MATERIAL	MFR	TYPE	ITEM NO.		QTY.	PART NUMBER	DESCRIPTION	MATERIAL	MFR	TYPE	ITEM NO.		QTY.	PART NUMBER	DESCRIPTION	MATERIAL	MFR	TYPE	ITEM NO.	
	1	OH3A2A-10	SEAT PAN TOP	.50 MDF	OPENHORN	CNC	1		1	OH3A2A-80	LOWER HEADREST BLOCK B	PETG	OPENHORN	PRINT	71		1	OH3A2A-81	LOWER HEADREST BLOCK C	PETG	OPENHORN	PRINT	72	
	1	OH3A2A-11	SEAT PAN BASE	.75 MDF	OPENHORN	CNC	2		1	OH3A2A-82	LOWER HEADREST BLOCK D	PETG	OPENHORN	PRINT	73		1	OH3A2A-83	LOWER HEADREST SKIN	.125 ABS	OPENHORN	CNC	74	
	1	OH3A2A-12	LOWER SEAT PAN BASE	.50 MDF	OPENHORN	CNC	3		1	OH3A2A-84	SEAT HARNESS REEL	PETG	OPENHORN	PRINT	75		1	OH3A2A-85	SEAT SEAWARS PROBE	PETG	OPENHORN	PRINT	76	
	1	OH3A2A-13	SEAT PAN FRONT A	.50 MDF	OPENHORN	CNC	4		1	OH3A2A-86	EJECTION HANDLE CAP	PETG	OPENHORN	PRINT	77		1	OH3A2A-87	EJECTION HANDLE SWITCH ACTUATOR	PETG	OPENHORN	PRINT	78	
	1	OH3A2A-14	SEAT PAN FRONT B	.50 MDF	OPENHORN	CNC	5		1	OH3A2A-88	SEAT ARMING LEVER	PETG	OPENHORN	PRINT	79		1	OH3A2A-89	EJECTION HANDLE CAP SUPPORT	PETG	OPENHORN	PRINT	80	
	1	OH3A2A-15	SEAT PAN FRONT C	.50 MDF	OPENHORN	CNC	6		1	OH3A2A-90	UPPER EJECTION HANDLE BASE	PETG	OPENHORN	PRINT	81		1	OH3A2A-91	LOWER EJECTION HANDLE BASE	PETG	OPENHORN	PRINT	82	
	2	OH3A2A-16	SEAT PAN FRONT D	.50 MDF	OPENHORN	CNC	7		1	OH3A2A-92	EMERGENCY RESTRAINT RELEASE HANDLE	PETG	OPENHORN	PRINT	83		1	OH3A2A-93	SEAT RH CONTROL SWITCH MOUNT	PETG	OPENHORN	PRINT	84	
	1	OH3A2A-17	SEAT PAN FRONT E	.50 MDF	OPENHORN	CNC	8		1	OH3A2A-94	SEAT HEIGHT ACTUATOR SWITCH HOUSING	PETG	OPENHORN	PRINT	85		1	OH3A2A-95	OUTER SHOULDER HARNESS CONTROL LEVER HOUSING	PETG	OPENHORN	PRINT	86	
	1	OH3A2A-18	CENTER SEAT PAN INTERNAL SUPPORT	.75 MDF	OPENHORN	CNC	9		1	OH3A2A-96	INNER SHOULDER HARNESS CONTROL LEVER HOUSING	PETG	OPENHORN	PRINT	87		1	OH3A2A-97	SHOULDER HARNESS CONTROL LEVER	PETG	OPENHORN	PRINT	88	
	2	OH3A2A-19	SEAT PAN SUPPORT B	.50 MDF	OPENHORN	CNC	10		1	OH3A2A-98	SHOULDER HARNESS CONTROL LEVER HANDLE	PETG	OPENHORN	PRINT	89		1	OH3A2A-99	SEAT PAN ACCESS PANEL PLUG	.50 MDF	OPENHORN	CNC	90	
	2	OH3A2A-20	LOWER SEAT PAN SUPPORT C	.50 MDF	OPENHORN	CNC	11		1	OH3A2A-100	SEAT PAN ACCESS PANEL SUPPORT	.50 MDF	OPENHORN	CNC	91		1	OH3A2A-101	SEAT PAN CUSHION	ASSY	OPENHORN	SEWN	92	
	1	OH3A2A-21	SEAT PAN DETAIL A	PETG	OPENHORN	PRINT	12		1	OH3A2A-102	SEAT BACK CUSHION	ASSY	OPENHORN	SEWN	93		1	ABSYS NANO IO	ABSYS NANO IO PCB	PCB	OPENHORN	PCB	94	
	1	OH3A2A-22	SEAT PAN DETAIL C	PETG	OPENHORN	PRINT	13		1	100SP4T8B13M1QEH	SWITCH, TOGGLE, SPDT, 18mm BAT	N/A	E-SWITCH	COTS	95		5	7658K170	SWITCH, SUBMINIATURE, SNAP-ACTING, PLUNGER ACTUATOR, SPST-NO	PLASTIC	MCMaster-CARR	COTS	96	
	1	OH3A2A-23	LH SEAT PAN OUTBOARD SUPPORT	.75 MDF	OPENHORN	CNC	14		152	90252A1112	FHS, 82 DEG, #8X1.0, BLK, STEEL, FOR MDF	STEEL	MCMaster-CARR	COTS	97		69	90252A1115	FHS, 82 DEG, #8X1.5, BLK, STEEL, FOR MDF	STEEL	MCMaster-CARR	COTS	98	
	1	OH3A2A-24	RH SEAT PAN OUTBOARD SUPPORT	.75 MDF	OPENHORN	CNC	15		8	90252A1118	FHS, 82 DEG, #8X2.0, BLK, STEEL, FOR MDF	STEEL	MCMaster-CARR	COTS	99		14	90275A196	FHS, 82 DEG, 8-32 X .625, SLOTTED HEAD, STEEL	STEEL	MCMaster-CARR	COTS	100	
	2	OH3A2A-25	HORIZONTAL SEAT PAN SUPPORT	.75 MDF	OPENHORN	CNC	16		2	90471A223	FHS, 100 DEG, 6-32 X .750, STEEL	STEEL	MCMaster-CARR	COTS	101		2	90471A436	FHS, 100 DEG, 8-32 X 1.25 L, STEEL	STEEL	MCMaster-CARR	COTS	102	
	1	OH3A2A-26	AFT SEAT BACK SUPPORT	.50 MDF	OPENHORN	CNC	17		6	93085A854	FHS, 100 DEG, 8-32 X 2.00, 18-8	18-8	MCMaster-CARR	COTS	103		8	91772A064	PHS, 0-80 X .4375, 18-8	18-8	MCMaster-CARR	COTS	104	
	2	OH3A2A-27	SEAT BACK VERTICAL SUPPORT, A	.75 MDF	OPENHORN	CNC	18		8	91772A064	PHS, 0-80 X .4375, 18-8	18-8	MCMaster-CARR	COTS	104		2	90272A079	PHS, 2-56 X .375, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	105	
	2	OH3A2A-28	SEAT BACK VERTICAL SUPPORT, B	.75 MDF	OPENHORN	CNC	19		2	91249A156	PHS, 6-32 X .8750, 18-8, BLACK-OXIDE	18-8	MCMaster-CARR	COTS	106		22	91249A197	PHS, 8-32 X .750, 18-8, BLACK OXIDE	18-8	MCMaster-CARR	COTS	107	
	1	OH3A2A-29	SEAT BACK SKIN	.125 ABS	OPENHORN	CNC	20		36	90272A201	PHS, 8-32 X 1.25, STEEL	STEEL	MCMaster-CARR	COTS	108		6	90272A203	PHS, 8-32 X 1.50, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	109	
	1	OH3A2A-30	SEAT BACK TOP	.50 MDF	OPENHORN	CNC	21		2	91251A146	SHCS, 6-32 X .375, STEEL, BLACK-OXIDE	STEEL	MCMaster-CARR	COTS	110		2	92141A008	WASHER, #6, 18-8	18-8	McMaster-Carr	COTS	111	
	1	OH3A2A-31	LH SEAT BUCKET EXTERIOR	.25 MDF	OPENHORN	CNC	22		72	98023A113	WASHER, #8, .188 ID X .438 OD, STEEL, ZINC YELLOW-CHROMATE	STEEL	MCMaster-CARR	COTS	112		4	97416A113	WASHER, #8, .188 ID X .438 OD, STEEL, BLACK OXIDE	STEEL	MCMaster-CARR	COTS	113	
	1	OH3A2A-32	LH SEAT BUCKET EXTERIOR DETAIL	.25 MDF	OPENHORN	CNC	23		6	90126A029	WASHER, .25 SCREW, .281 ID X .625 OD, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	114		23	90480A009	NUT, 8-32, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	115	
	1	OH3A2A-33	RH SEAT BUCKET EXTERIOR	.25 MDF	OPENHORN	CNC	24		2	91078A029	NUT, THIN, .25-20, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	116		8	93365A102	INSERT, 0-80, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	117	
	1	OH3A2A-34	RH SEAT BUCKET EXTERIOR DETAIL	.25 MDF	OPENHORN	CNC	25		2	93365A110	INSERT, 2-56, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	118		2	93365A130	INSERT, 6-32, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	119	
									58	93365A140	INSERT, 8-32, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	120		6	93365A160	INSERT, .25-20, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	121	
									6	92105A660	INSERT, 8-32 X .3906 INSTALLED L, FOR SOFTWOOD	ZINC ALLOY	MCMaster-CARR	COTS	122		4	3914T5	STOP, WIRE ROPE, .1875 WIRE DIA	ALUMINUM	MCMaster-CARR	COTS	123	
									1	8912T54	ROPE, WIRE, COATED, .1875 ROPE DIA, .3125 COATING DIAMETER, BLACK	STEEL	MCMaster-CARR	COTS	124		1	5648K33	TUBING, .500OD X .3281 ID, 95A DUROMETER, POLYURETHANE, YELLOW	PUR	MCMaster-CARR	COTS	125	
									1	PTN0.50SS	SLEEING, BRAIDED, SAFETY STRIPE (YELLOW-BLACK), .500 DIA, PET	PET	TECHFLEX	COTS	126		2	7856K18	HEAT-SHRINK, .75ID SHRINK TO .375ID, POLYOLEFIN, YELLOW	PP	MCMaster-CARR	COTS	127	
									2	9657K332	SPRING, COMPRESSION, 1.25 L X .360 OD X .296 ID, 6.7 LB MAX LOAD, 6.8 LB/IN	STEEL	MCMaster-CARR	COTS	128		2	95412A560	ROD, .25-20 X 4.50 L, 18-8	18-8	MCMaster-CARR	COTS	129	
									1	5901A122	PLUNGER, SPRING, 8-32X .445 L, .025 X .094 NOSE, 1.3LBS FORCE, STEEL BLACK	STEEL	MCMaster-CARR	COTS	130		2	5901A142	PLUNGER, SPRING, .25-20 X .625 L, .125 X .035 NOSE, 7LBS FORCE, STEEL, BLACK	STEEL	MCMaster-CARR	COTS	131	
									2	91780A337	STANDOFF, FEMALE, 6-32 X .25 HEX X 1.50 L, 6061-T6	6061-T6	MCMaster-CARR	COTS	132									



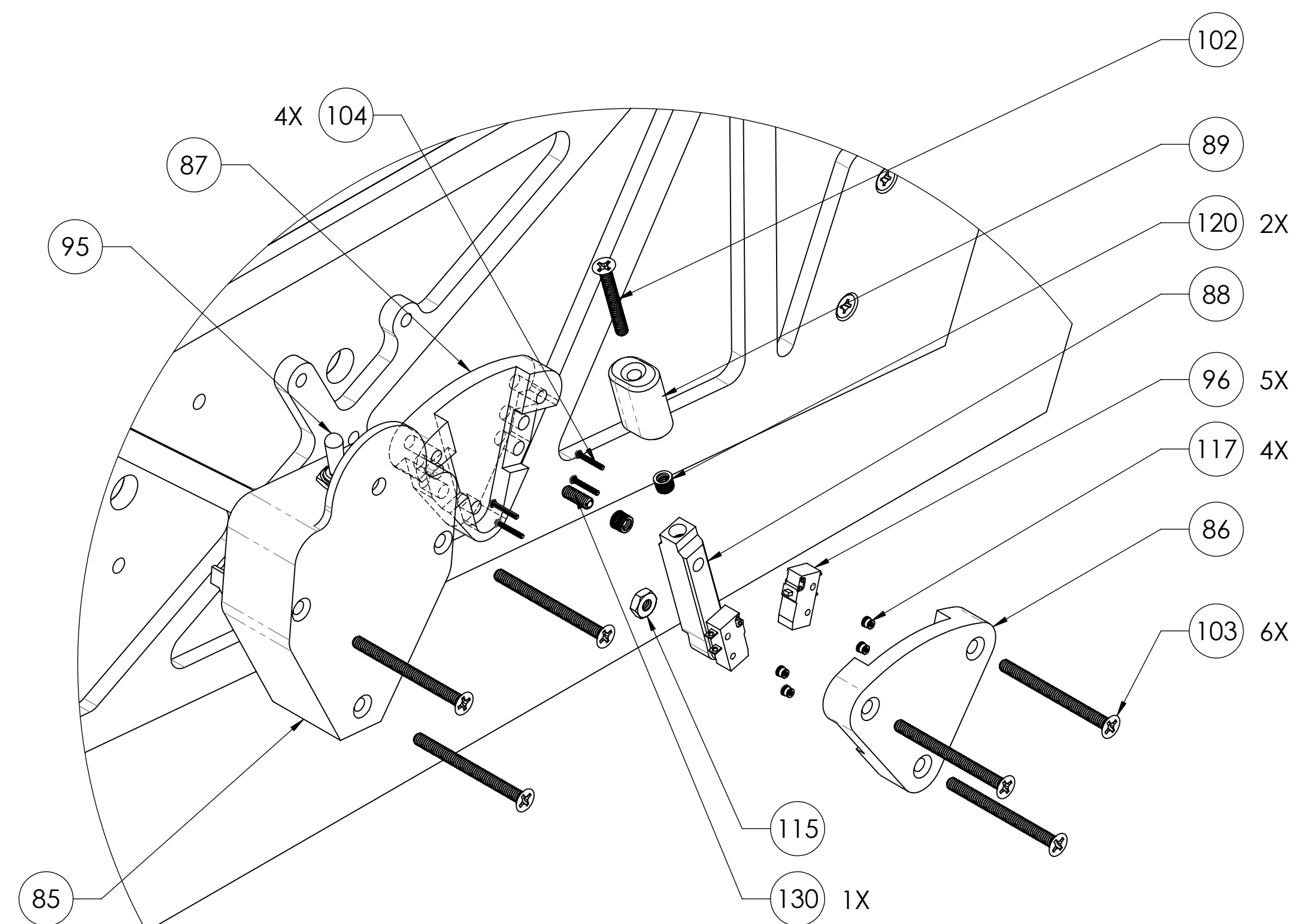
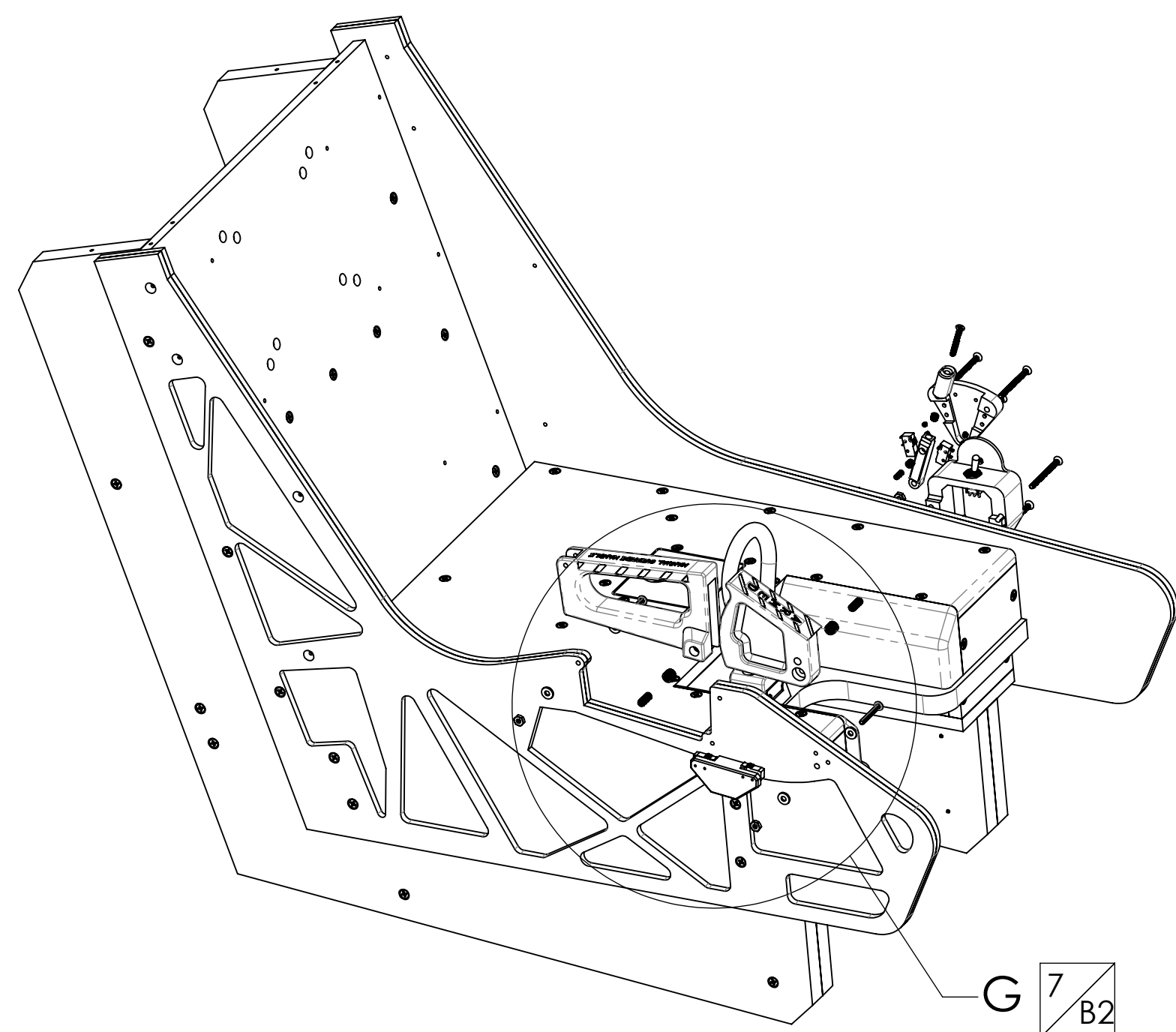
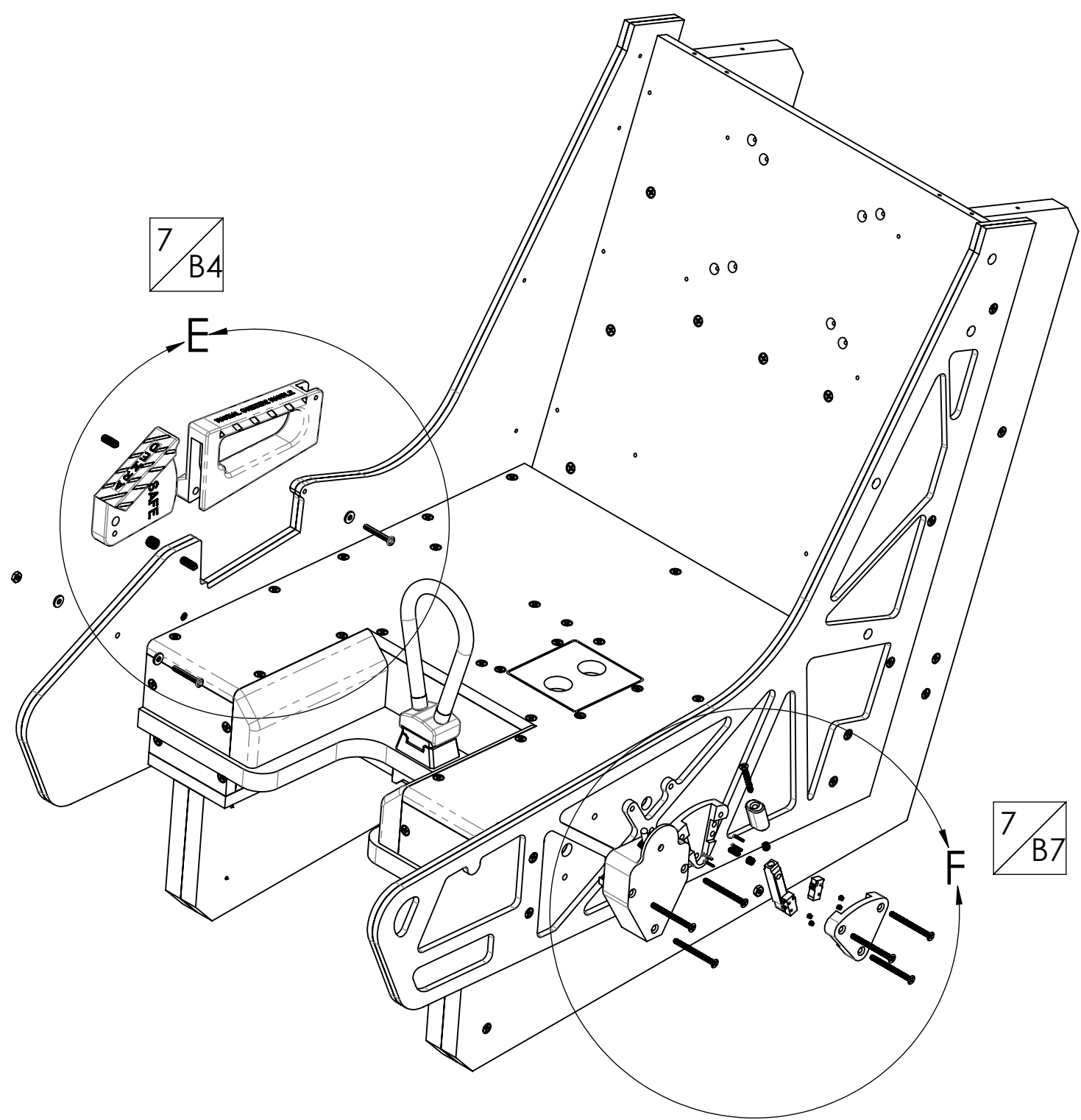




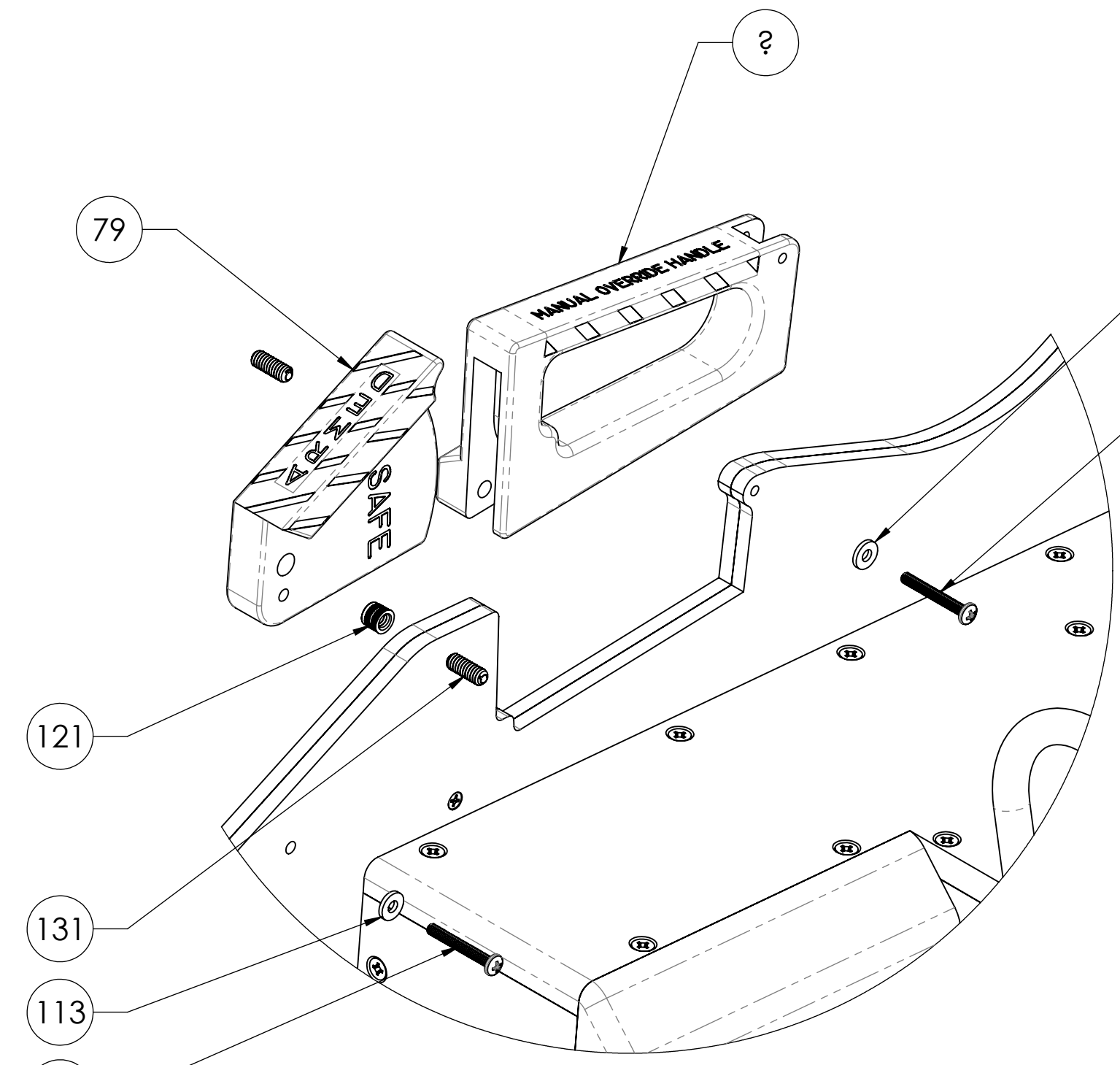




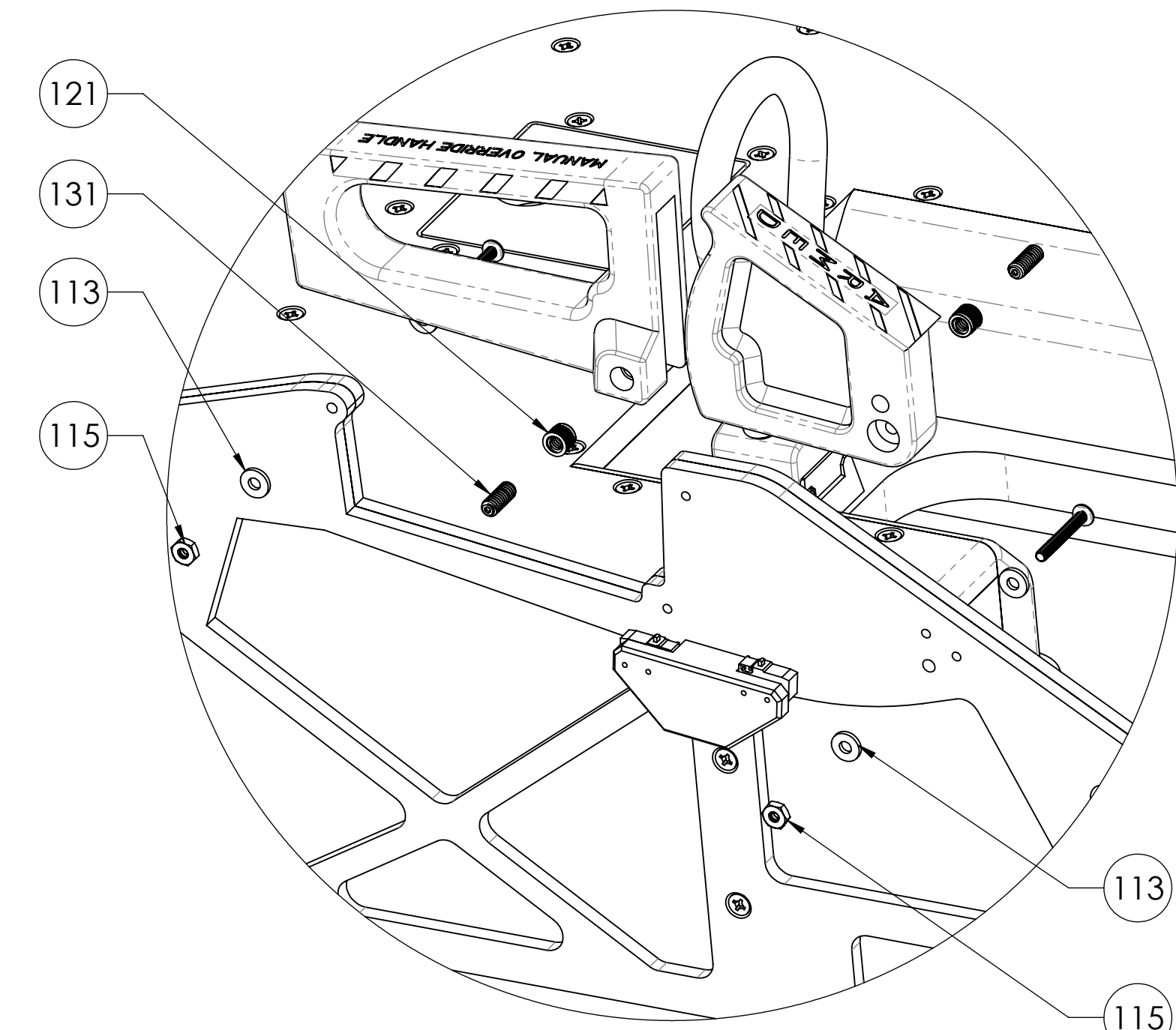
SEAT PAN TOP INSTALLATION



DETAIL F
7/C4

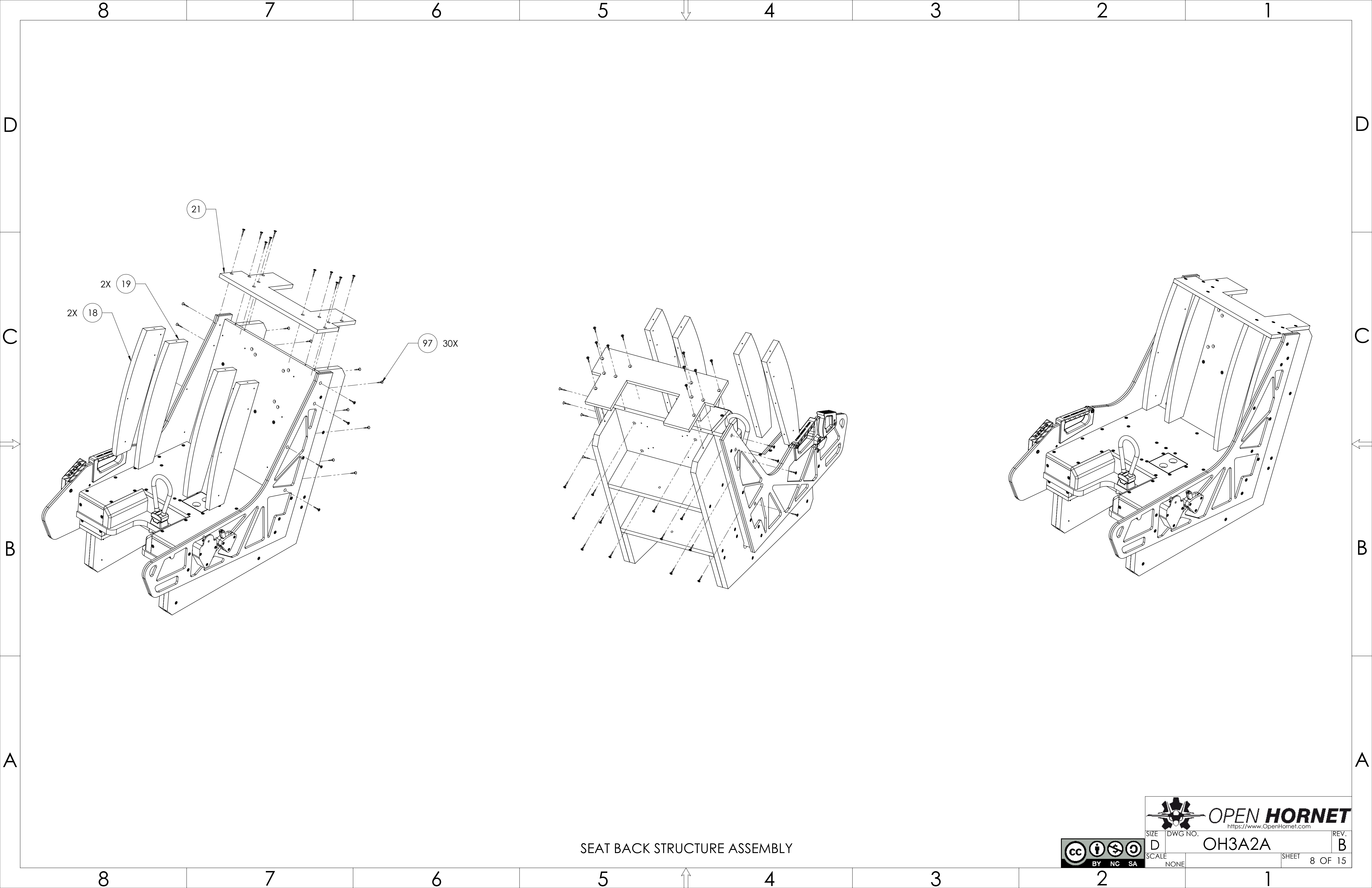


DETAIL E
7/C4



DETAIL G
7/C2

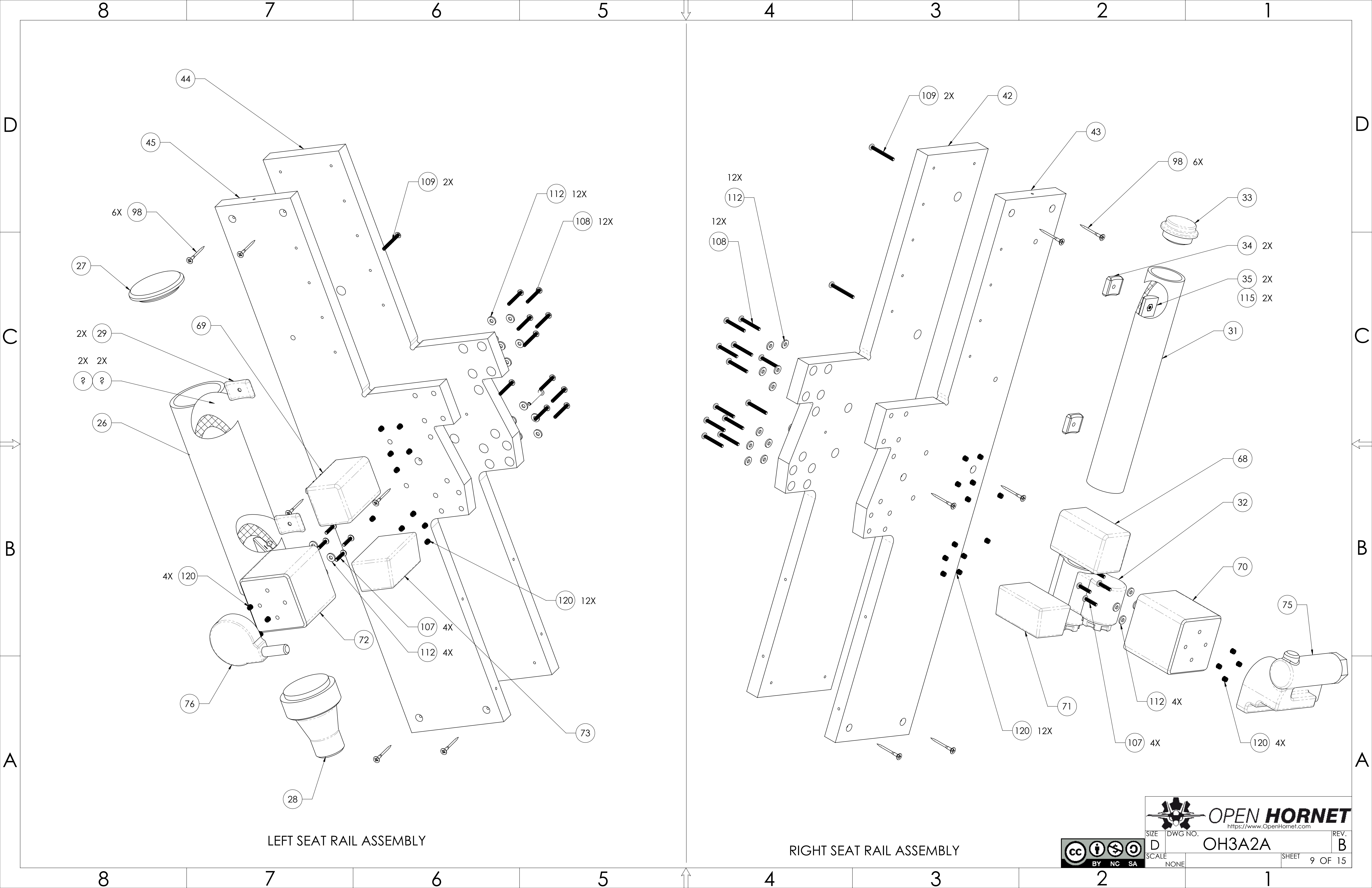
SEAT CONTROLS INSTALLATION



SEAT BACK STRUCTURE ASSEMBLY



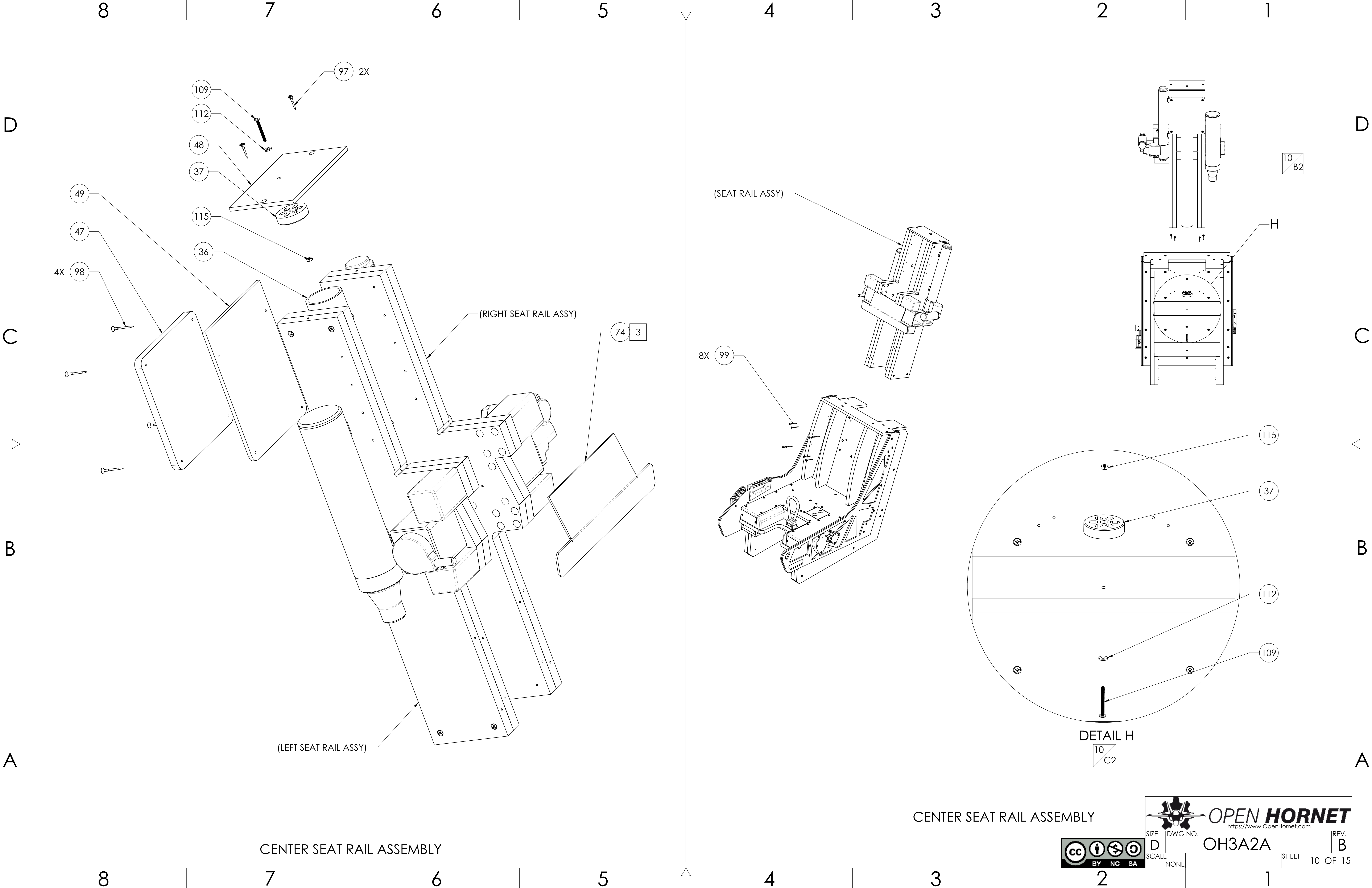
SIZE D	DWG NO. OH3A2A	REV. B
SCALE NONE	SHEET 8 OF 15	

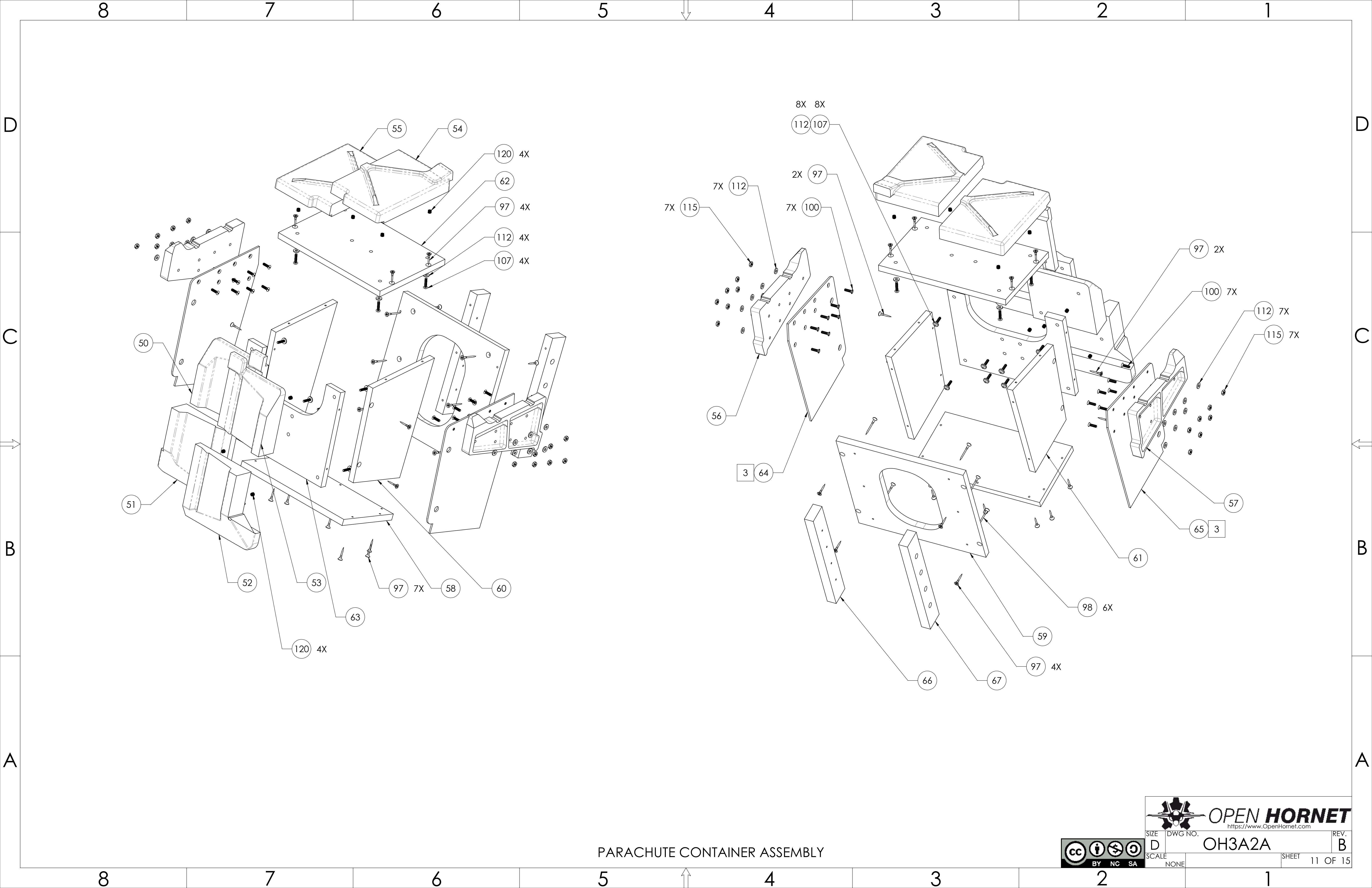


LEFT SEAT RAIL ASSEMBLY

RIGHT SEAT RAIL ASSEMBLY







PARACHUTE CONTAINER ASSEMBLY



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

SIZE D	DWG NO. OH3A2A	REV. B
SCALE NONE	SHEET 11 OF 15	



