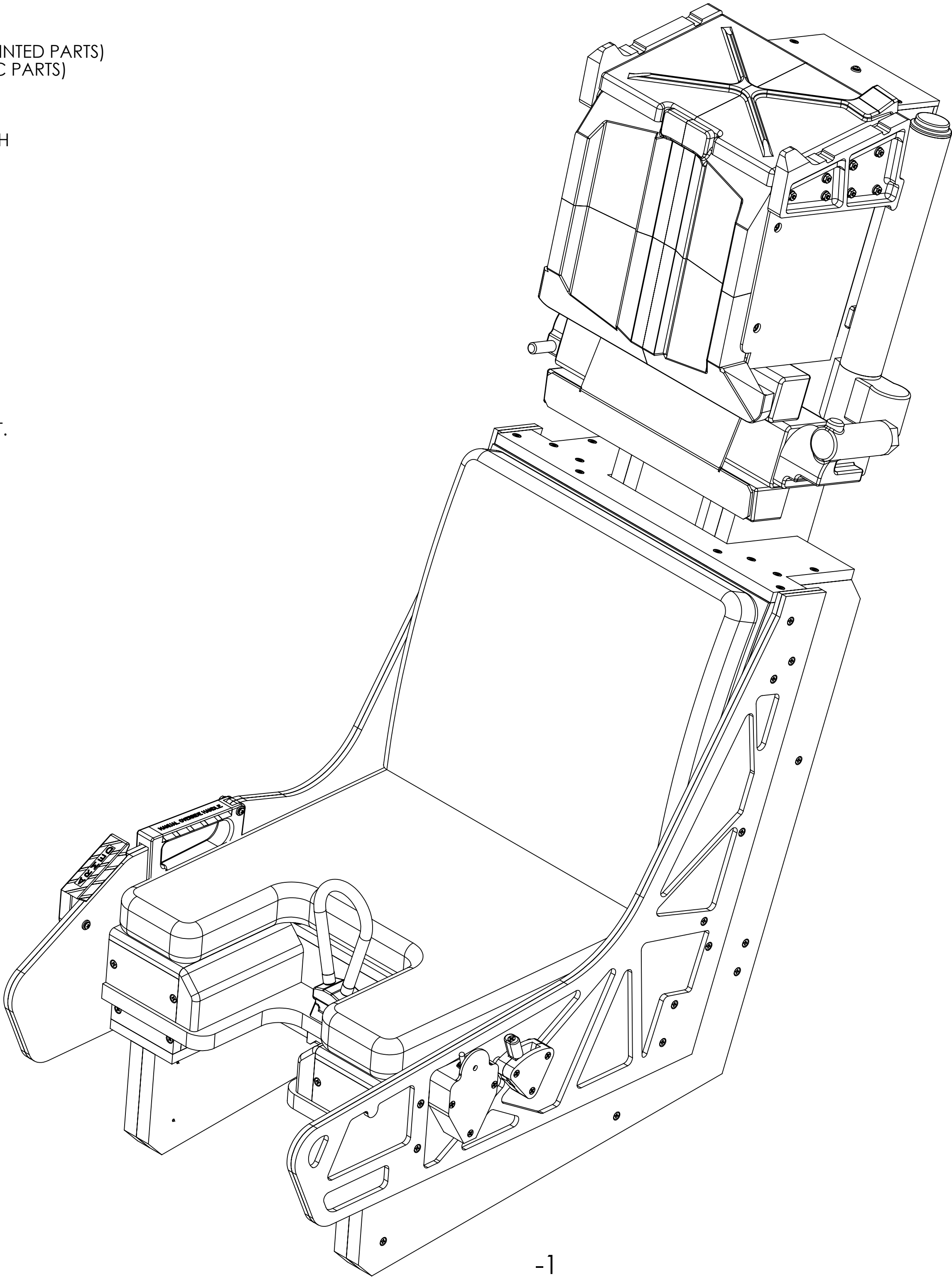


NOTES: UNLESS OTHERWISE SPECIFIED (UOS)


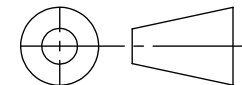

1.
- ALL ITEMS DEPICTED ON THIS DRAWING ARE CRITICAL TO THE FUNCTION OF THIS PART. ALL DIMENSIONS NOT DEPICTED ARE CONTAINED WITHIN THE FOLLOWING INTERMEDIATE FILES:
-[APPLICABLE DASH]: OH3A2A-[APPLICABLE DASH] - [APPLICABLE DESCRIPTION].STL (PRINTED PARTS)
-[APPLICABLE DASH(S)]: OH3A2A-1_SH[SHEET #]_[SHEET 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 FS37038, LUSTERLESS BLACK IAW FINISH SPECIFICATION, EXCEPT WHERE OTHERWISE NOTED. MASK ALL THREADS AND HOLES.
3.
- INSTALL WITH AN APPROPRIATE ADHESIVE.
4.
- MAKE SEAT PAN CUSHION, FN 92, 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. SEAT THICKNESS SHOULD BE ADJUSTED FOR USER COMFORT.
5.
- MAKE SEAT BACK CUSHION, FN 93, FROM BLACK CANVAS/NYLON FABRIC. FILL WITH 2.0" THK EVERFLEX V24 FOAM (OR SIMILAR). INSTALL TO SEAT WITH ADHESIVE BACKED VELCRO. SEAT THICKNESS SHOULD BE ADJUSTED FOR USER COMFORT.

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

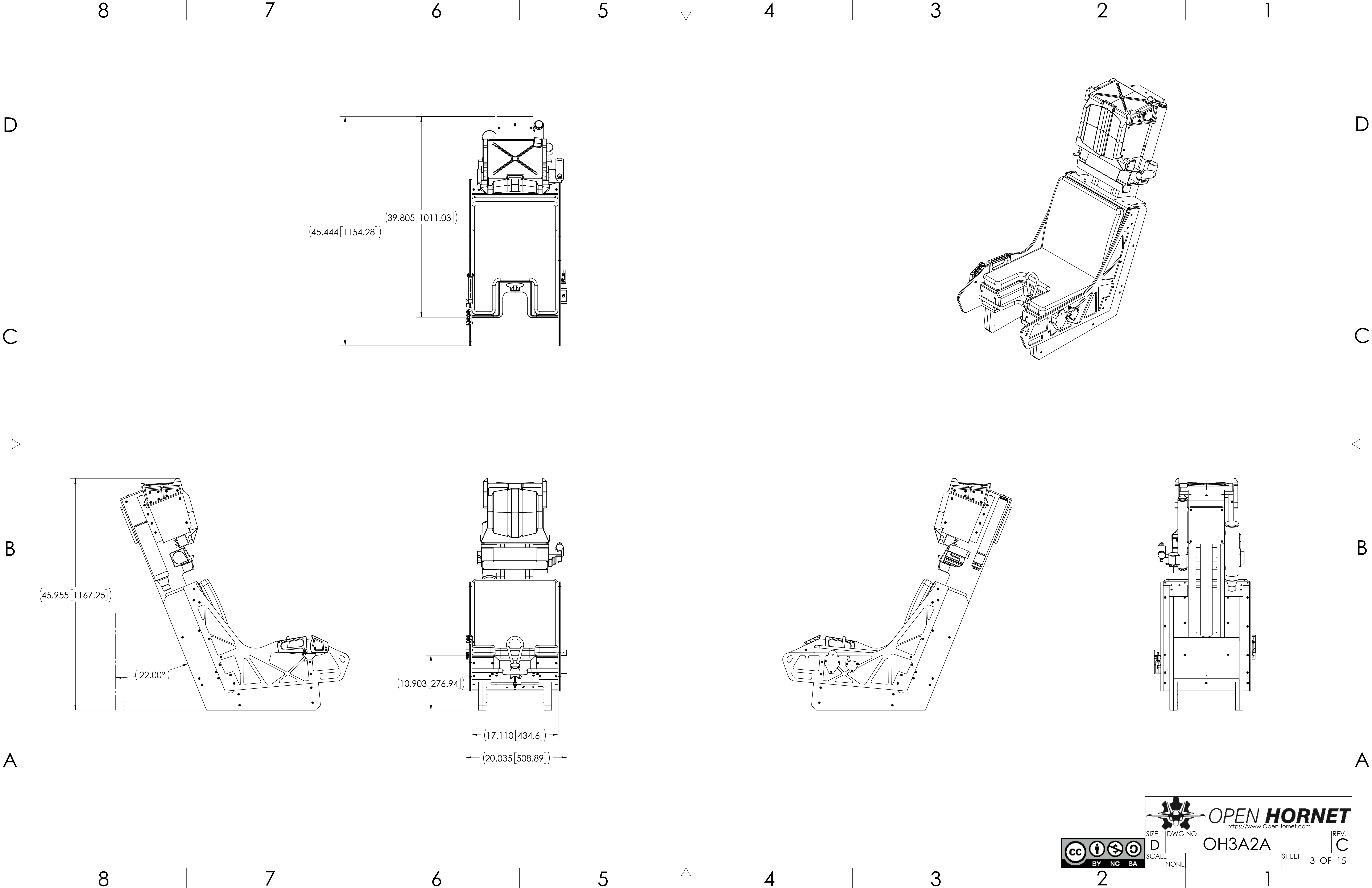
REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	-	INITIAL RELEASE	12/02/2019
	A	REVISED IAW GITHUB ISSUE #118	12/9/2019
	B	REVISED NOTE 1 FOR PROPER FILE NAMES	12/14/2019
	C	INCORPORATED REDLINES AND SHIFTED SEAT BACK AFT TO LENGTHEN SEAT PAN. SEAT CUSHION DIMENSIONS MODIFIED.	4/17/2020

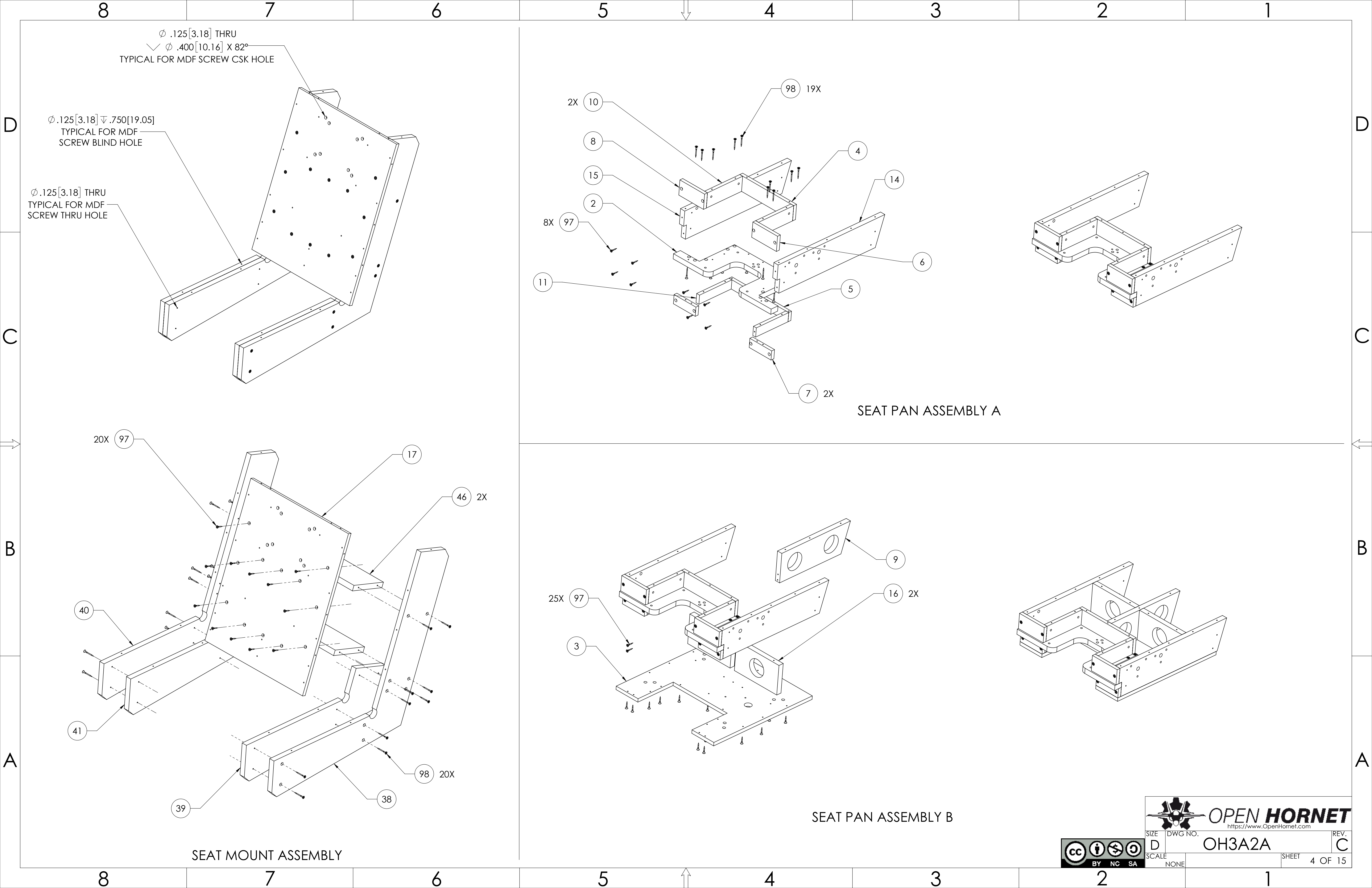


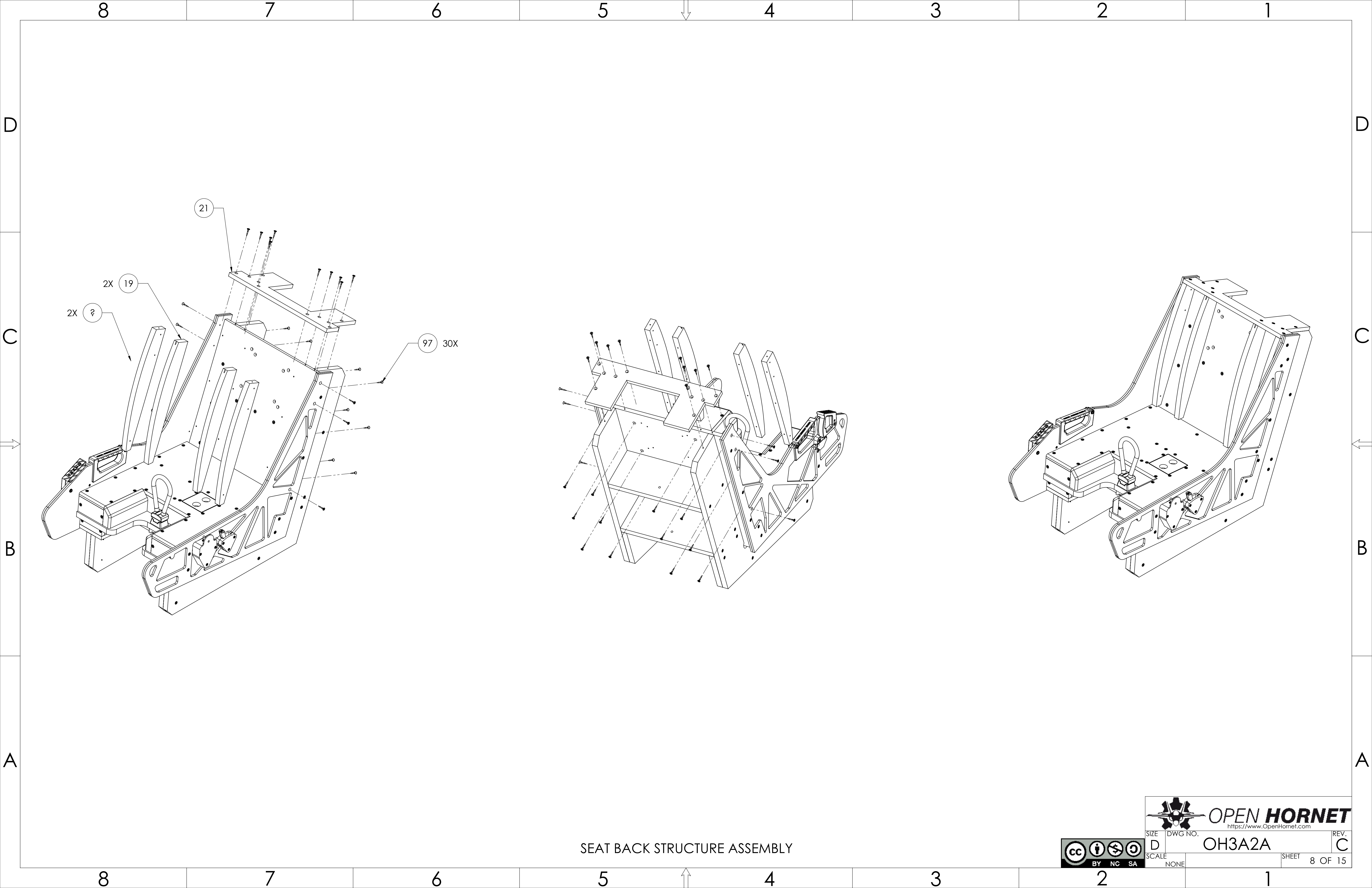
SEE PARTS LIST ON SHEET 2

		THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED:	UOS INCH TOLERANCES ARE:		<div> OPEN HORNET https://www.OpenHornet.com</div>			
				DIMENSIONS ARE IN INCHES.	DECIMALS: ANGLES: .X ± .1 MACHINED ±0°30' .XX ± .03 LOCATING ±0°30' .XXX ± .010 FORMED ±2° CHAMFERS ±5°					
		APPROVALS DATE DRAWN J. STEENSEN 02/12/2019		DUAL DIMENSIONS ARE IN MILLIMETERS AND ENCLOSED IN SQUARE BRACKETS.	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					
		MATERIAL SEE PARTS LIST		INTERPRET DRAWING IAW ASME Y14.100-2013.						
		FINISH SEE FINISH SPEC		INTERPRET DIM AND TOL IAW ASME Y14.5-2009.			TITLE ASSY, SJU-17 EJECTION SEAT			
OH0A		TOP LEVEL		REMOVE ALL BURRS AND SHARP EDGES TO .1 MAX.			SIZE D	DWG NO. OH3A2A	REV. C	
NEXT ASSY		USED ON		DIMENSIONS APPLY BEFORE FINISH.						
APPLICATION							SCALE NONE	SHEET 1 OF 15		

D	8			7			6			5			4			3			2			1		
	PARTS LIST			PARTS LIST			PARTS LIST			PARTS LIST			PARTS LIST			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	NET	CNC	1	1	OH3A2A-80	LOWER HEADREST BLOCK B	PETG	OPENHORN	NET	PRINT	71	1	OH3A2A-81	LOWER HEADREST BLOCK C	PETG	OPENHORN	NET	PRINT	72
	1	OH3A2A-11	SEAT PAN BASE	.75 MDF	OPENHORN	NET	CNC	2	1	OH3A2A-82	LOWER HEADREST BLOCK D	PETG	OPENHORN	NET	PRINT	73	1	OH3A2A-83	LOWER HEADREST SKIN	.125 ABS	OPENHORN	NET	CNC	74
	1	OH3A2A-12	LOWER SEAT PAN BASE	.50 MDF	OPENHORN	NET	CNC	3	1	OH3A2A-84	SEAT HARNESS REEL	PETG	OPENHORN	NET	PRINT	75	1	OH3A2A-85	SEAT SEAWARS PROBE	PETG	OPENHORN	NET	PRINT	76
	1	OH3A2A-13	SEAT PAN FRONT A	.50 MDF	OPENHORN	NET	CNC	4	1	OH3A2A-86	EJECTION HANDLE CAP	PETG	OPENHORN	NET	PRINT	77	1	OH3A2A-87	EJECTION HANDLE SWITCH ACTUATOR	PETG	OPENHORN	NET	PRINT	78
	1	OH3A2A-14	SEAT PAN FRONT B	.50 MDF	OPENHORN	NET	CNC	5	1	OH3A2A-88	SEAT ARMING LEVER	PETG	OPENHORN	NET	PRINT	79	1	OH3A2A-89	EJECTION HANDLE CAP SUPPORT	PETG	OPENHORN	NET	PRINT	80
	1	OH3A2A-15	SEAT PAN FRONT C	.50 MDF	OPENHORN	NET	CNC	6	1	OH3A2A-90	UPPER EJECTION HANDLE BASE	PETG	OPENHORN	NET	PRINT	81	1	OH3A2A-91	LOWER EJECTION HANDLE BASE	PETG	OPENHORN	NET	PRINT	82
	2	OH3A2A-16	SEAT PAN FRONT D	.50 MDF	OPENHORN	NET	CNC	7	1	OH3A2A-92	EMERGENCY RESTRAINT RELEASE HANDLE	PETG	OPENHORN	NET	PRINT	83	1	OH3A2A-93	SEAT RH CONTROL SWITCH MOUNT	PETG	OPENHORN	NET	PRINT	84
	1	OH3A2A-17	SEAT PAN FRONT E	.50 MDF	OPENHORN	NET	CNC	8	1	OH3A2A-94	SEAT HEIGHT ACTUATOR SWITCH HOUSING	PETG	OPENHORN	NET	PRINT	85	1	OH3A2A-95	OUTER SHOULDER HARNESS CONTROL LEVER HOUSING	PETG	OPENHORN	NET	PRINT	86
	1	OH3A2A-18	CENTER SEAT PAN INTERNAL SUPPORT	.75 MDF	OPENHORN	NET	CNC	9	1	OH3A2A-96	INNER SHOULDER HARNESS CONTROL LEVER HOUSING	PETG	OPENHORN	NET	PRINT	87	1	OH3A2A-97	SHOULDER HARNESS CONTROL LEVER	PETG	OPENHORN	NET	PRINT	88
	2	OH3A2A-19	SEAT PAN SUPPORT B	.50 MDF	OPENHORN	NET	CNC	10	1	OH3A2A-98	SHOULDER HARNESS CONTROL LEVER HANDLE	PETG	OPENHORN	NET	PRINT	89	1	OH3A2A-99	SEAT PAN ACCESS PANEL PLUG	.50 MDF	OPENHORN	NET	CNC	90
	2	OH3A2A-20	LOWER SEAT PAN SUPPORT C	.50 MDF	OPENHORN	NET	CNC	11	1	OH3A2A-100	SEAT PAN ACCESS PANEL SUPPORT	.50 MDF	OPENHORN	NET	CNC	91	1	OH3A2A-101	SEAT PAN CUSHION	ASSY	OPENHORN	NET	SEWN	92
	1	OH3A2A-21	SEAT PAN DETAIL A	PETG	OPENHORN	NET	PRINT	12	1	OH3A2A-102	SEAT BACK CUSHION	ASSY	OPENHORN	NET	SEWN	93	1	ABSYS NANO IO	ABSYS NANO IO PCB	PCB	OPENHORN	NET	PCB	94
	1	OH3A2A-22	SEAT PAN DETAIL C	PETG	OPENHORN	NET	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	NET	CNC	14	150	90252A112	FHS, 82 DEG, #8X1.0, BLK, STEEL, FOR MDF	STEEL	MCMaster-CARR	COTS	97	69	90252A115	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	NET	CNC	15	8	90252A118	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	NET	CNC	16	2	90471A223	FHS, 100 DEG, 6-32 X .750, STEEL	STEEL	MCMaster-CARR	COTS	101	1	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	NET	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	NET	CNC	18	2	90272A079	PHS, 2-56 X .375, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	105	2	91249A156	PHS, 6-32 X .8750, 18-8, BLACK-OXIDE	18-8	MCMaster-CARR	COTS	106		
2	OH3A2A-28	SEAT BACK VERTICAL SUPPORT, B	.75 MDF	OPENHORN	NET	CNC	19	22	91249A197	PHS, 8-32 X .750, 18-8, BLACK OXIDE	18-8	MCMaster-CARR	COTS	107	36	90272A201	PHS, 8-32 X 1.25, STEEL	STEEL	MCMaster-CARR	COTS	108			
1	OH3A2A-29	SEAT BACK SKIN	.125 ABS	OPENHORN	NET	CNC	20	6	90272A203	PHS, 8-32 X 1.50, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	109	2	91251A146	SHCS, 6-32 X .375, STEEL, BLACK-OXIDE	STEEL	MCMaster-CARR	COTS	110			
1	OH3A2A-30	SEAT BACK TOP	.50 MDF	OPENHORN	NET	CNC	21	2	92141A008	WASHER, #6, 18-8	18-8	McMaster-Carr	COTS	111	72	98023A113	WASHER, #8, .188 ID X .438 OD, STEEL, ZINC YELLOW-CHROMATE	STEEL	MCMaster-CARR	COTS	112			
1	OH3A2A-31	LH SEAT BUCKET EXTERIOR	.25 MDF	OPENHORN	NET	CNC	22	4	97416A113	WASHER, #8, .188 ID X .438 OD, STEEL, BLACK OXIDE	STEEL	MCMaster-CARR	COTS	113	6	90126A029	WASHER, .25 SCREW, .281 ID X .625 OD, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	114			
1	OH3A2A-32	LH SEAT BUCKET EXTERIOR DETAIL	.25 MDF	OPENHORN	NET	CNC	23	23	90480A009	NUT, 8-32, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	115	2	91078A029	NUT, THIN, .25-20, STEEL, ZINC	STEEL	MCMaster-CARR	COTS	116			
1	OH3A2A-33	RH SEAT BUCKET EXTERIOR	.25 MDF	OPENHORN	NET	CNC	24	8	93365A102	INSERT, 0-80, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	117	2	93365A110	INSERT, 2-56, HEAT SET, BRASS	BRASS	MCMaster-CARR	COTS	118			
1	OH3A2A-34	RH SEAT BUCKET EXTERIOR DETAIL	.25 MDF	OPENHORN	NET	CNC	25	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			
C	1	OH3A2A-35	DROGUE DEPLOYMENT CATAPULT BODY	2.5 NOMINAL ID PVC, SCH 40	OPENHORN	NET	CUT	26	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		
	1	OH3A2A-36	DROGUE DEPLOYMENT CATAPULT UPPER CAP	PETG	OPENHORN	NET	PRINT	27	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	OH3A2A-37	DROGUE DEPLOYMENT CATAPULT LOWER CAP	PETG	OPENHORN	NET	PRINT	28	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	OH3A2A-38	OUTER DROGUE DEPLOYMENT CATAPULT MOUNT	PETG	OPENHORN	NET	PRINT	29	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	OH3A2A-39	INNER DROGUE DEPLOYMENT CATAPULT MOUNT	PETG	OPENHORN	NET	PRINT	30	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		
	1	OH3A2A-40	PARACHUTE DEPLOYMENT ROCKET BODY	1.5 NOMINAL ID PVC, SCH 40	OPENHORN	NET	CUT	31	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		
	1	OH3A2A-41	PARACHUTE DEPLOYMENT ROCKET LOWER BODY	PETG	OPENHORN	NET	PRINT	32																
	1	OH3A2A-42	PARACHUTE DEPLOYMENT ROCKET UPPER CAP	PETG	OPENHORN	NET	PRINT	33																
	2	OH3A2A-43	OUTER PARACHUTE DEPLOYMENT ROCKET CLAMP	PETG	OPENHORN	NET	PRINT	34																
	2	OH3A2A-44	INNER PARACHUTE DEPLOYMENT ROCKET CLAMP	PETG	OPENHORN	NET	PRINT	35																
	B	1	OH3A2A-45	SEAT CATAPULT	2.0 NOMINAL ID PVC, SCH 40	OPENHORN	NET	CUT	36															
		2	OH3A2A-46	SEAT CATAPULT MOUNT	PETG	OPENHORN	NET	PRINT	37															
		1	OH3A2A-47	LEFT OUTBOARD SEAT MOUNT	.75 MDF	OPENHORN	NET	CNC	38															
		1	OH3A2A-48	LEFT INBOARD SEAT MOUNT	.75 MDF	OPENHORN	NET	CNC	39															
		1	OH3A2A-49	RIGHT OUTBOARD SEAT MOUNT	.75 MDF	OPENHORN	NET	CNC	40															
		1	OH3A2A-50	RIGHT INBOARD SEAT MOUNT	.75 MDF	OPENHORN	NET	CNC	41															
1		OH3A2A-51	VERTICAL MOUNTING RAIL A	.75 MDF	OPENHORN	NET	CNC	42																
1		OH3A2A-52	VERTICAL MOUNTING RAIL B	.75 MDF	OPENHORN	NET	CNC	43																
1		OH3A2A-53	VERTICAL MOUNTING RAIL C	.75 MDF	OPENHORN	NET	CNC	44																
1		OH3A2A-54	VERTICAL MOUNTING RAIL D	.75 MDF	OPENHORN	NET	CNC	45																
2		OH3A2A-55	LOWER HORIZONTAL MOUNTING RAIL	.75 MDF	OPENHORN	NET	CNC	46																
1		OH3A2A-56	DROGUE BRIDLE CONTAINER	.50 MDF	OPENHORN	NET	CNC	47																
1		OH3A2A-57	UPPER RAIL CAP	.25 MDF	OPENHORN	NET	CNC	48																
1		OH3A2A-58	AFT RAIL CAP	.25 MDF	OPENHORN	NET	CNC	49																
1		OH3A2A-59	HEADREST, A	PETG	OPENHORN	NET	PRINT	50																
1		OH3A2A-60	HEADREST, B	PETG	OPENHORN	NET	PRINT	51																
1	OH3A2A-61	HEADREST, C	PETG	OPENHORN	NET	PRINT	52																	
1	OH3A2A-62	HEADREST, D	PETG	OPENHORN	NET	PRINT	53																	





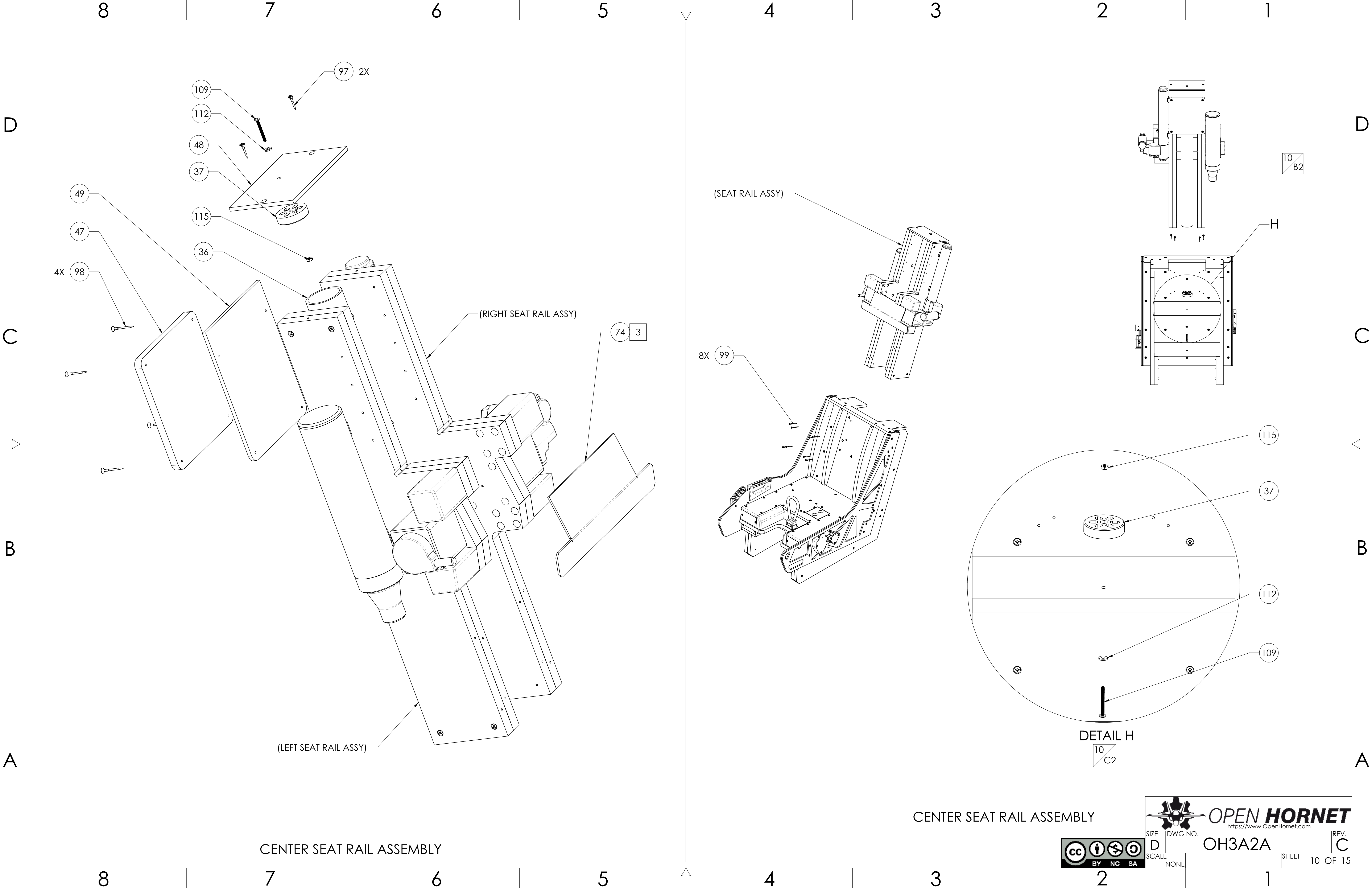


SEAT BACK STRUCTURE ASSEMBLY



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





CENTER SEAT RAIL ASSEMBLY

(SEAT RAIL ASSY)

(RIGHT SEAT RAIL ASSY)

(LEFT SEAT RAIL ASSY)

DETAIL H

CENTER SEAT RAIL ASSEMBLY



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

SIZE D	DWG NO. OH3A2A	REV. C
SCALE NONE	SHEET 10 OF 15	



