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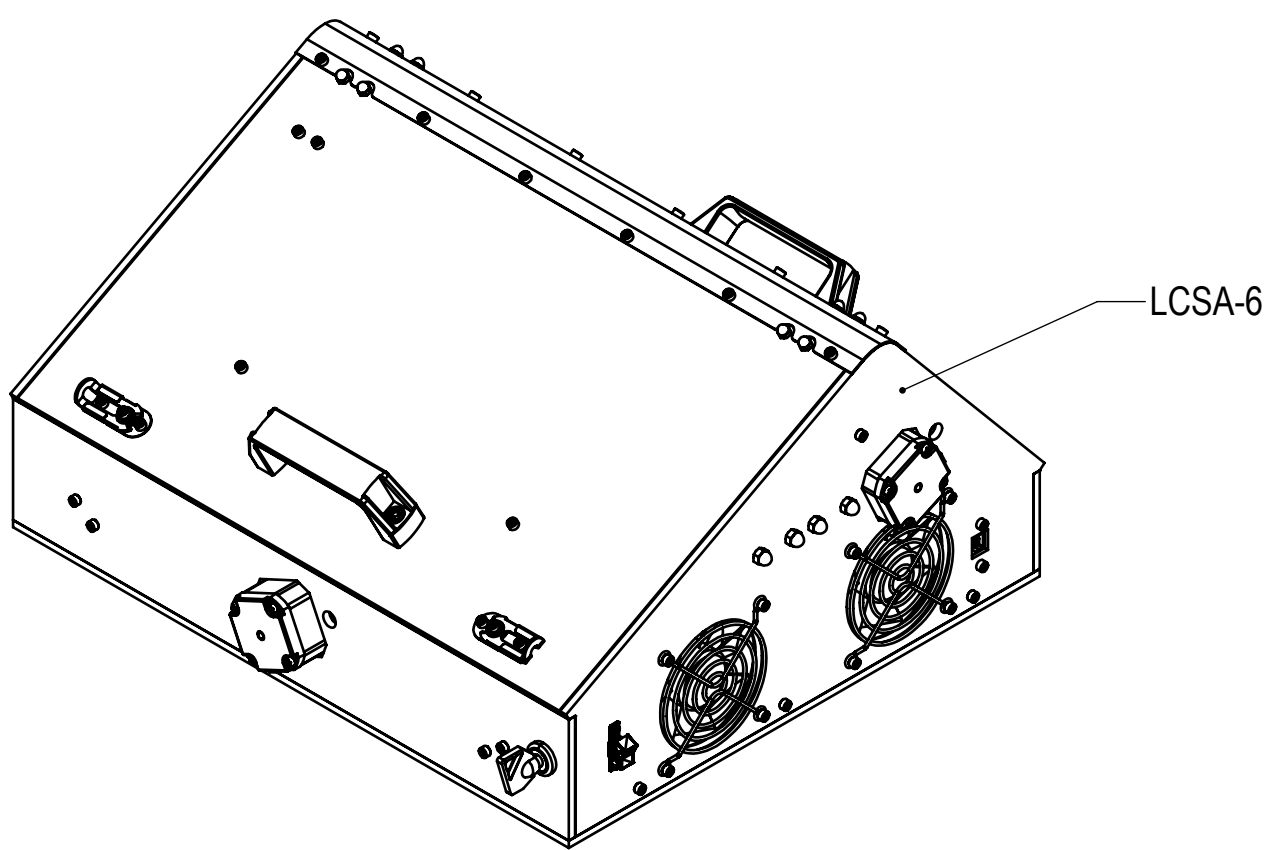
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102	1	UNO-CNC	ARDUINO UNO WITH CNC DAUGHTER BOARD
101	1	3.3V-5V	ADAPTER BOARD, ARDUINO UNO CNC/BLUETOOTH, 3.3V/5V
100	1	LRS-150-12	ENCLOSED POWER SUPPLY, 12VDC, 50W, 4.2A, 99MM X 97MM X 36MM
99	1	361939982999	TTL LASER DRIVER, 80-500 mA
98	1	5.6MMTO18AC	HOUSING, TO-18, 5.6MM DIODE, ALUMINUM, WITH FAN
97	4	989331222636	LIGHT, LED, 30 DEG SWIVEL
96	1	MZ-IEC320	RECEPTICAL, POWER, SWITCHED, FUSED, IEC-320
95	1	USBPNLBFBM3	USB, PANEL MOUNT, F-M, B
94	1	300SP3R1BLKM1QE	SWITCH, DP3T, ROCKER, .25 X .5
93	1	CKM12ATW01	2 POSITION KEYLOCK SWITCH, SPDT, 3A/250V, PANEL MOUNT
92	6	19N602	MICRO-SWITCH, 5A, PLUNGER, SILVER QUICK-CONNECTM SEALED, 20MM X 10MM X 6.5MM
91	2	65985K11	MAGNETIC SWITCH, PLASTIC HOUSING, 1/4" MAX SENSING DISTANCE
90	2	TB-1505L	TERMINAL BLOCK, 5 POSITION, 15A, 600V
89	4	19155K94	GRILL, FAN, 80MM, METAL WIRE
88	2	19155K91	GRILL, FAN, 40MM, METAL WIRE, MODIFIED
87	1	1372N52	STRIP, NEOPRENE, SHORE 60A, 4" X 36", 1/32 THK, BLACK
86	2	1872A720 Latch	SLIDE-SNAP LATCH, 0.081"-0.128" SURFACE THICKNES, LATCH
85	2	1872A720 Catch	SLIDE-SNAP LATCH, 0.081"-0.128" SURFACE THICKNES, CATCH
84	2	1078A311	HANDLE, PLASTIC, 3.6875 CENTER DIST, THROUGH HOLES
83	4	1603A300	SURFACE-MOUNT HINGE, BRASS, 1" HIGH, 3/4" WIDE
82	4	6111K511	SWIVEL LEVELING MOUNT, BLACK STEEL WITH PAD, 10-32 THREAD, 1" LONG
81	1	9417K111-B	SPRING, GAS, 1.18 STROKE, 5 LBS, BODY
80	1	9417K111-R	SPRING, GAS, 1.18 STROKE, 5 LBS, ROD
79	1	9416K260	BRACKET, GAS SPRING, .5 SHOULDER, .16 EYELET, 90 DEG
78	4	6391K161	BEARING, SINTERED, .375 ID, .4375 OD, .25 LONG
77	2	1688K3	BEARING, SINTERED, .25 ID, .375 OD, .5 LONG
76	4	6659K65	BEARING, SINTERED, 4MM ID, 7MM OD, .6MM LONG, FLANGED
75	5	R1810-2Z	BALL BEARING, DOUBLE SHIELDED, 5 MM SHAFT, 16 MM OD
74	2	17HS19-2004S1	STEPPER MOTOR, BIPOLAR, 200 STEPS/REV, 1.9 IN, 2.0A, 85 OZ.IN
73	1	14HR05-0504S	STEPPER MOTOR, BIPOLAR, 400 STEPS/REV, 12.5MM, 0.5A, 7NCM (10 OZ.IN), THIN
72	4	9961K14	COLLAR, 5/16 ID, 7/16 OD, .3125 THK
71	2	1031K64-13.75	LINEAR MOTION SHAFT, 1/4 DIAMETER, 400 MM LONG, MODIFIED TO 13.75"
70	2	6112K12-11.75	LINEAR MOTION SHAFT, 4 MM DIAMETER, 400 MM LONG, MODIFIED TO 11.75"
69	2	6112K34-2.5	LINEAR MOTION SHAFT, 4 MM DIAMETER, 200 MM LONG, MODIFIED TO 2.5"
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

		UNLESS OTHERWISE SPECIFIED	.XX	.XXX	ANGLE	DRAWN:	MAVB	03/22/17
			± .03	± .010	± 0.5 °	CHECKED:		
		MACHINED SURFACE FINISHES	125 ✓	DIMENSIONS ARE IN INCHES	REVIEWED:			
NEXT ASSY	FINAL ASSY	MACHINED FILLET RADII .015-.030	INTERPRET DRAWING PER ASME Y14.5M	APPROVED:	MAVB	30/22/17		
APPLICATION		REMOVE BURRS AND BREAK SHARP EDGES	DIMENSION LIMITS HELD AFTER PLATING	WEIGHT:				
MATERIAL		SEE BILL OF MATERIALS	FINISH	N/A				

68	1	90034A052	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 1-1/2' LONG
67	1	90034A052	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 1-1/2' LONG, MODIFIED TO 14"
66	2	90034A420	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 1' LONG
65	1	90032A011	THREADED ROD, ZINC PLATED, T8 TRAPAZOIDAL, 11.375" LONG
64	2	90034A420	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 6.875" LONG
63	9	91565A565	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 6" LONG
62	4	98750A025	THREADED ROD, ZINC PLATED, 1/4"-20 THREAD, 4" LONG
61	1	90322A641	THREADED ROD, ZINC PLATED, 10-32 THREAD, 2" LONG
60	68	91090A105	WASHER, ZINC PLATED, 0.5" X 0.266", FOR 1/4" SCREW
59	12	90126A509	WASHER, ZINC PLATED, 0.375" X 0.156", FOR #6 SCREW
58	2	T8-AB	NUT, ANTI-BACKLASH, T8, 4 START
57	16	95117A433	NUT, PRESS-FIT, SOFT METAL/PLASTIC, 6-32 THREAD SIZE, .213 HOLE
56	8	91875A110	NUT, CAP, ZINC-PLATED, 6-32 THREAD
55	8	91875A101	NUT, CAP, ZINC-PLATED, 2-56 THREAD
54	60	90473A029	NUT, HEX, ZINC-PLATED, 1/4"-20 THREAD
53	2	90480A195	NUT, HEX, ZINC-PLATED, 10-32 THREAD
52	65	90480A007	NUT, HEX, ZINC-PLATED, 6-32 THREAD
51	2	90480A005	NUT, HEX, ZINC-PLATED, 4-40 THREAD
50	34	94855A247	NUT, SQUARE, ZINC-PLATED, 1/4"-20 THREAD
49	6	94855A283	NUT, SQUARE, ZINC-PLATED, 10-32 THREAD
48	62	94855A201	NUT, SQUARE, ZINC-PLATED, 6-32 THREAD
47	22	94855A279	NUT, SQUARE, ZINC-PLATED, 2-56 THREAD
46	4	93705A540	SCREW, SOCKET HEAD, STAINLESS, 1/4-20 THREAD, 3/4" LONG
45	4	91292A033	SCREW, SOCKET HEAD, STAINLESS, M3 X 0.5 MM THREAD, 35 MM LONG
44	3	91292A113	SCREW, SOCKET HEAD, STAINLESS, M3 X 0.5 MM THREAD, 10 MM LONG
43	3	91292A111	SCREW, SOCKET HEAD, STAINLESS, M3 X 0.5 MM THREAD, 6 MM LONG
42	2	92196A237	SCREW, SOCKET HEAD, STAINLESS, 6-32 THREAD, 1-5/8" LONG
41	20	92196A236	SCREW, SOCKET HEAD, STAINLESS, 6-32 THREAD, 1-3/8" LONG
40	2	92196A153	SCREW, SOCKET HEAD, STAINLESS, 6-32 THREAD, 1" LONG
39	66	92196A150	SCREW, SOCKET HEAD, STAINLESS, 6-32 THREAD, 5/8" LONG
38	10	97334A146	SCREW, SOCKET HEAD, NYLON, 6-32 THREAD, 3/8 LONG
37	34	92196A145	SCREW, SOCKET HEAD, STAINLESS, 6-32 THREAD, 5/16" LONG
36	1	92210A145	SCREW, SOCKET FLAT HEAD, STAINLESS, 6-32 THREAD, 5/16 LONG
35	2	92210A108	SCREW, SOCKET FLAT HEAD, STAINLESS, 4-40 THREAD, 3/8" LONG
34	14	92185A081	SCREW, SOCKET HEAD, STAINLESS, 2-56 THREAD, 7/16" LONG
33	16	92210A078	SCREW, SOCKET FLAT HEAD,STAINLESS, 2-56 THREAD, 5/16" LONG
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

				SCALE 1:4		SIZE C	DATE
				ANGLE	DRAWN:	MAVB	03/22/17
				± .03	± .010	± 0.5 °	CHECKED:
				MACHINED SURFACE FINISHES	125 ✓	DIMENSIONS ARE IN INCHES	REVIEWED:
				MACHINED FILLET RADII .015-.030	INTERPRET DRAWING PER ASME Y14.5M	APPROVED:	MAVB 30/22/17
				REMOVE BURRS AND BREAK SHARP EDGES	DIMENSION LIMITS HELD AFTER PLATING	WEIGHT:	
				FINISH	N/A		

REVISIONS					
DESCRIPTION			DRN	APPR	DATE
<div><div>LCSA-6</div></div>					
32	4	LCMP-101	BEARING KEEPER		
31	2	LCSAP-610	POWER CABLE HOOK		
30	4	LCSAP-609	LIGHT MOUNTING BRACKET		
29	6	LCSAP-608	SHELL FRAME BINDING BLOCK		
28	1	LCSAP-607	BOTTOM HORIZONTAL PLATE		
27	1	LCSAP-606	RIGHT VERTICAL PLATE		
26	1	LCSAP-605	LEFT VERTICAL PLATE		
25	1	LCSAP-604	REAR VERTICAL PLATE		
24	1	LCSAP-603	REAR ELEVATED PLATE		
23	1	LCSAP-602	FRONT VERTICAL PLATE		
22	1	LCSAP-601	FRONT ELEVATED PLATE		
21	1	LCSAP-505	BOARDS TO POWER SUPPLY BRACKET, LEFT		
20	1	LCSAP-504	BOARDS BRACKET, BOTTOM		
19	1	LCSAP-503	BOARDS BRACKET		
18	1	LCSAP-502	POWER SUPPLY BRACKET, RIGHT TOP		
17	1	LCSAP-501	POWER SUPPLY BRACKET, RIGHT BOTTOM		
16	2	LCSAP-403	LOWER VERTICAL BINDING BLOCK		
15	1	LCSAP-402	RIGHT VERTICAL BINDING BLOCK		
14	1	LCSAP-401	LEFT VERTICAL BINDING BLOCK		
13	1	LCSAP-304	X AXIS CARRIAGE		
12	1	LCSAP-303	Z AXIS BEARING KEEPER		
11	1	LCSAP-302	Z AXIS CLEVIS		
10	1	LCSAP-301	Z AXIS CARRIAGE		
9	1	LCSAP-202	Y AXIS CARRIAGE		
8	1	LCSAP-201	Y AXIS CARRIAGE PLATE		
7	2	LCSAP-107	FRAME SHEAR BLOCK		
6	1	LCSAP-106	REAR CENTER FRAME BINDING BLOCK		
5	1	LCSAP-105	REAR LEFT FRAME BINDING BLOCK		
4	1	LCSAP-104	REAR RIGHT FRAME BINDING BLOCK		
3	1	LCSAP-103	FRONT CENTER FRAME BINDING BLOCK		
2	1	LCSAP-102	FRONT LEFT FRAME BINDING BLOCK		
1	1	LCSAP-101	FRONT RIGHT FRAME BINDING BLOCK		
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION		

DWG TITLE		DWG NO.	
LASER CUTTER OVERALL ASSEMBLY		LCOA-1	
		SHEET 1 OF 2	REV 0
		FILENAME LCOA-1.SLDDRW	

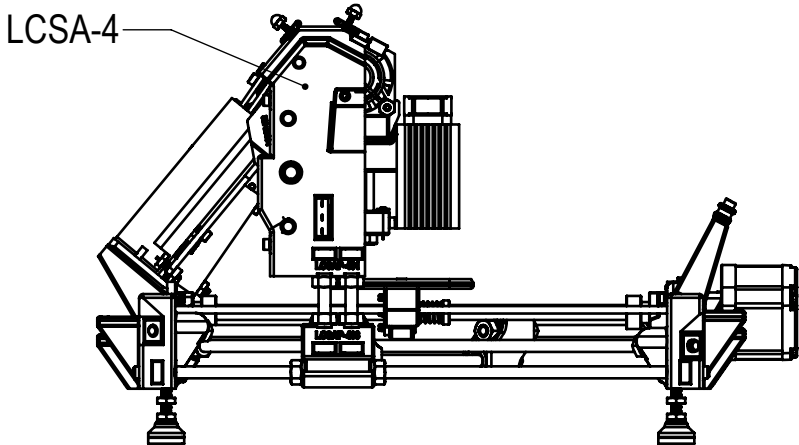
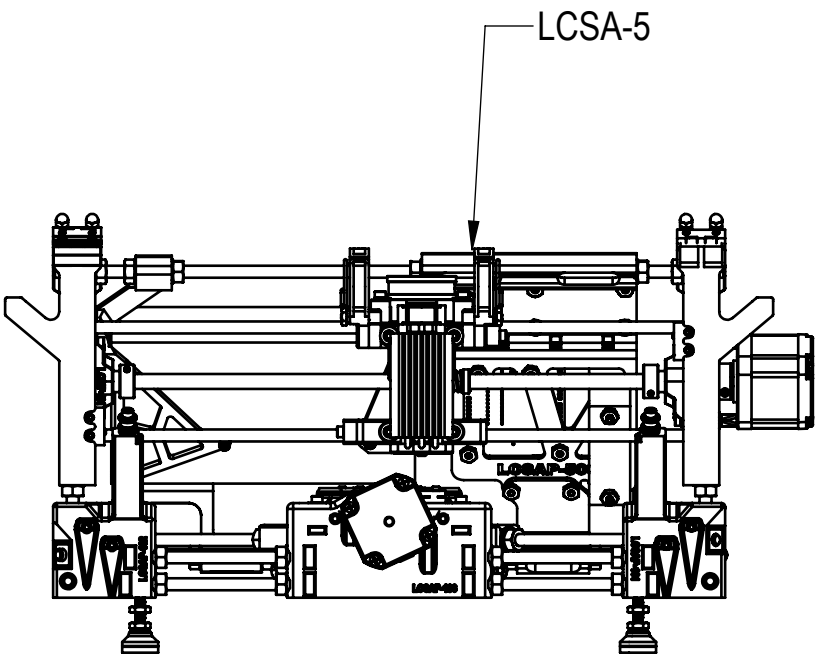
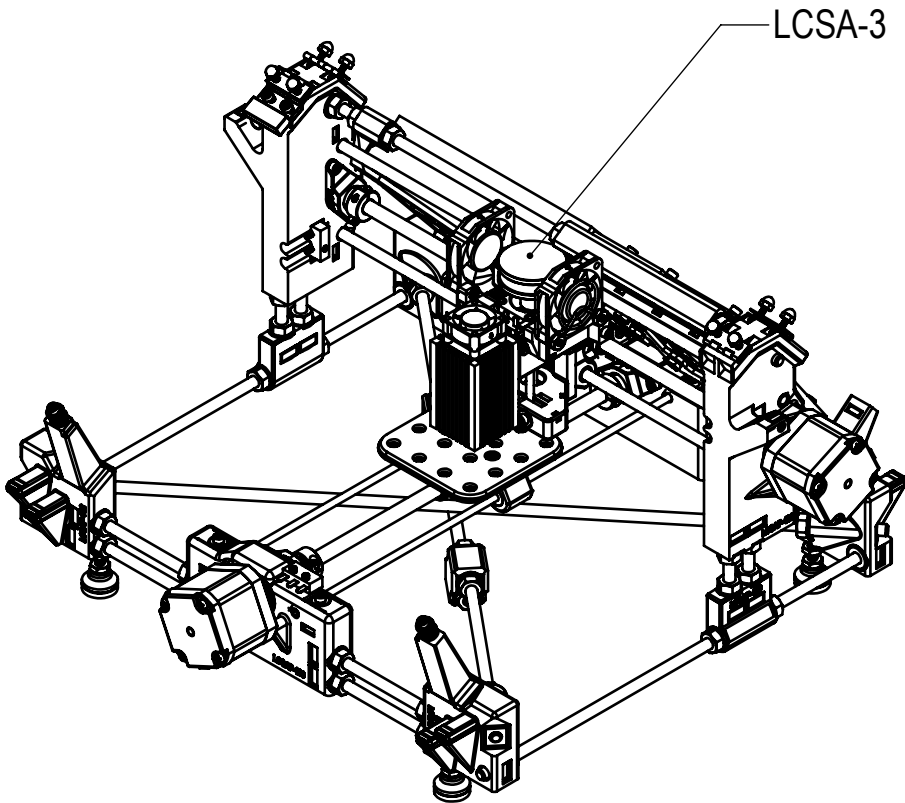
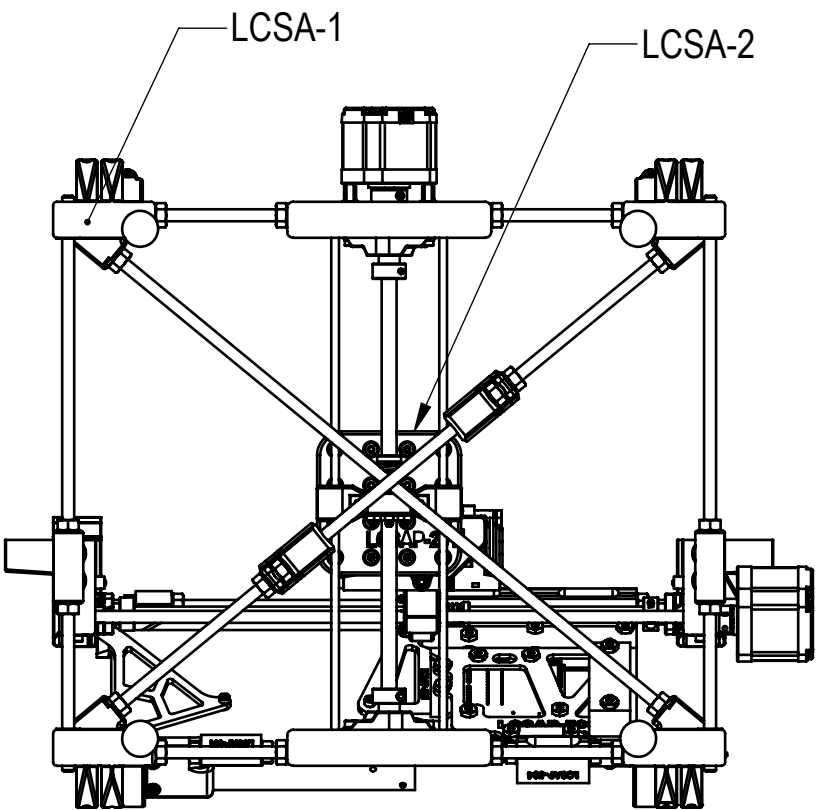
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INDEX		
DRAWING	DESCRIPTION	NEXT ASSEMBLY
LCOA-1	LC	N/A
LCSA-1	FRAME ASSEMBLY	LCOA-1
LCSAP-101	FRONT RIGHT FRAME BINDING BLOCK	LCSA-1
LCSAP-102	FRONT LEFT FRAME BINDING BLOCK	LCSA-1
LCSAP-103	FRONT CENTER FRAME BINDING BLOCK	LCSA-1
LCSAP-104	REAR RIGHT FRAME BINDING BLOCK	LCSA-1
LCSAP-105	REAR LEFT FRAME BINDING BLOCK	LCSA-1
LCSAP-106	REAR CENTER FRAME BINDING BLOCK	LCSA-1
LCSAP-107	FRAME SHEAR BLOCK	LCSA-1
LCSA-2	Y AXIS CARRIAGE ASSEMBLY	LCOA-1
LCSAP-201	Y AXIS CARRIAGE PLATE	LCSA-2
LCSAP-202	Y AXIS CARRIAGE	LCSA-2
LCSA-3	X AXIS CARRIAGE ASSEMBLY	LCOA-1
LCSAP-301	Z AXIS CARRIAGE	LCSA-3
LCSAP-302	Z AXIS CLEVIS	LCSA-3
LCSAP-303	BEARING KEEPER	LCSA-3
LCSAP-304	X AXIS CARRIAGE	LCSA-3
LCSA-4	X AXIS ASSEMBLY	LCOA-1
LCSAP-401	RIGHT VERTICAL BINDING BLOCK	LCSA-4
LCSAP-402	LEFT VERTICAL BINDING BLOCK	LCSA-4
LCSAP-403	LOWER VERTICAL BINDING BLOCK	LCSA-4
LCSA-5	ELECTRICAL MOUNT ASSEMBLY	LCOA-1
LCSAP-501	POWER SUPPLY BRACKET, RIGHT BOTTOM	LCSA-5
LCSAP-502	POWER SUPPLY BRACKET, RIGHT TOP	LCSA-5
LCSAP-503	BOARDS BRACKET	LCSA-5
LCSAP-504	BOARDS BRACKET, BOTTOM	LCSA-5
LCSAP-505	BOARDS TO POWER SUPPLY BRACKET, LEFT	LCSA-5
LCSA-6	OUTER SHELL ASSEMBLY	LCOA-1
LCSAP-601	FRONT ELEVATED PLATE	LCSA-6
LCSAP-602	FRONT VERTICAL PLATE	LCSA-6
LCSAP-603	REAR ELEVATED PLATE	LCSA-6
LCSAP-604	REAR VERTICAL PLATE	LCSA-6
LCSAP-605	LEFT VERTICAL PLATE	LCSA-6
LCSAP-606	RIGHT VERTICAL PLATE	LCSA-6
LCSAP-607	BOTTOM HORIZONTAL PLATE	LCSA-6
LCSAP-608	SHELL FRAME BINDING BLOCK	LCSA-6
LCSAP-609	LIGHT MOUNTING BRACKET	LCSA-6
LCSAP-610	POWER CABLE HOOK	LCSA-6
LCMP-101	BEARING KEEPER	LCSA-1, LCSA-4



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DWG NO.

LCOA-1

REV.

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SEE SHEET 1 FOR ALL NOTES, REVISIONS AND TOLERANCES		SIZE C	DWG NO. LCOA-1
LASER CUTTER OVERALL ASSEMBLY		SHEET 2 OF 2	REV 0
		FILENAME LCOA-1.SLDDRW	