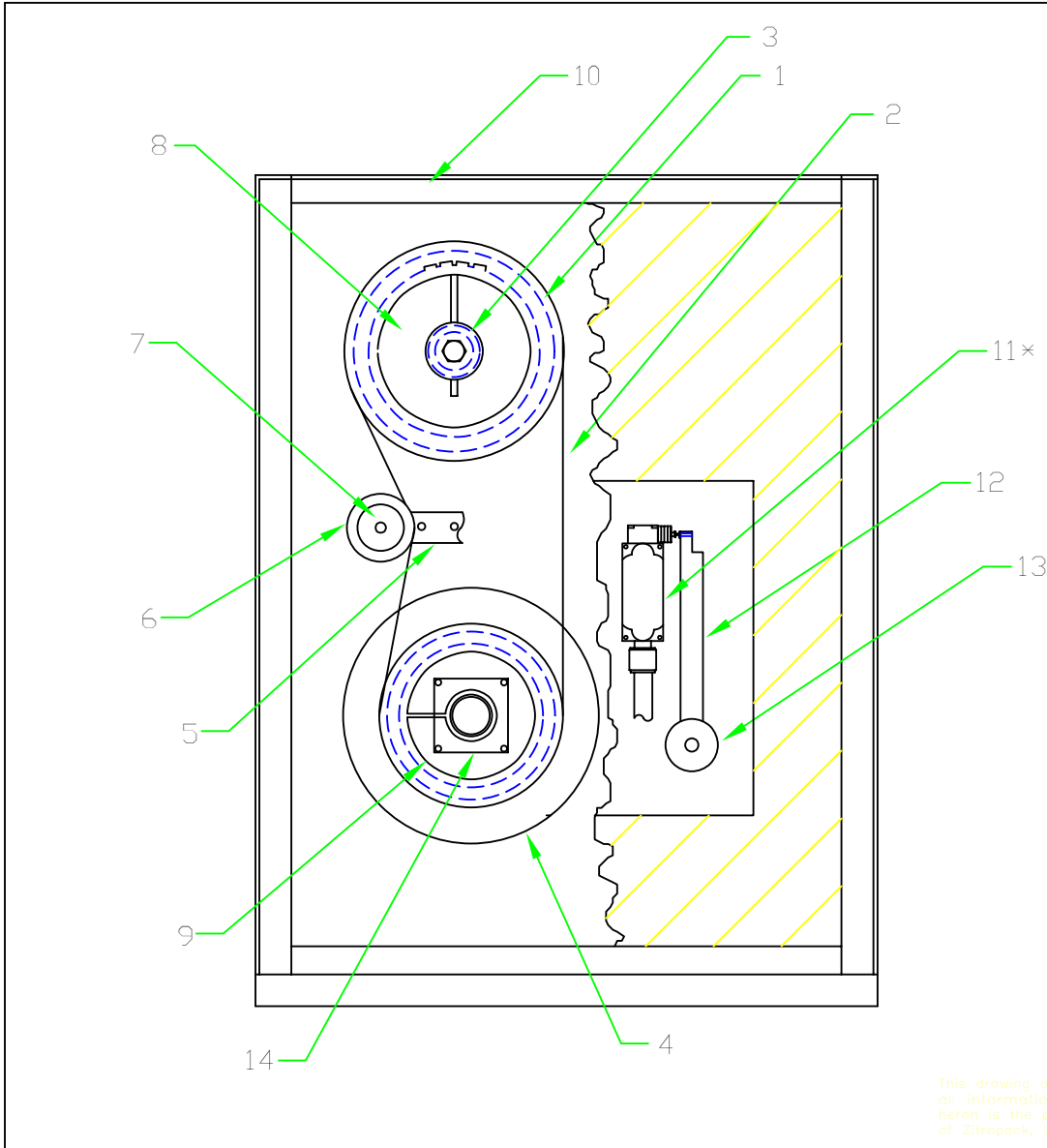


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	C	CAD ORIGINAL	03/10/00	

ITEM	PART NO.	DESCRIPTION	REQ'D	M/P
1	7781-2	CUP DISPENSER PLATE	1	M
2	5/16-18	FLEX NUT	24	M
3	53522-7.4375	DISPENSER GUIDE ROD 7-7/16	12	M
4	53522-48.5	DISPENSER GUIDE ROD 48-1/2	12	M
5	53504	CONNECTING SHAFT	1	M
6	FB 810-7	FLANGED BUSHING 1/2 x 5/8 x 7/8	1	P
7	53512-1	CONNECTING BLOCK	1	M
8	FCP2	FLOW CONTROL	2	P
9	KQ2H07-35S	STRAIGHT CONNECTOR 1/4 x 1/4	2	P
10	53503-1	PIVOT BRACKET	1	M
11	53501-5.564	END BRACKET	1	M
12	53505-27.250	GEAR RACK 27-1/4	2	M
13	53510-1350-1874	SINGLE SPIRAL R.H.	12	M
14	53511-1350-1874	SINGLE SPIRAL L.H.	12	M
15	53520-1.590	SPIRAL SHAFT	24	M
16	53521	SPIRAL FLAT WASHER	24	M
17	FB 68-5	FLANGED BUSHING 3/8 x 1/2 x 5/8	48	P
18	53501-5.564	END BRACKET DRIVE SIDE	1	M
19	53508	END BRACKET WEAR BOTTOM	4	M
20	SR-172-DP	ROUND AIR CYLINDER	1	P
21	53513	DISPENSER RACK GUIDE	4	M

Z	Zitropack, Ltd.			
	TEL: 630-766-7015 FAX: 630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
6 LANE CUP DISPENSER				
SERIAL # 2010	SIZE C	NAME R.O.	MFG NO. 600-2010	REV A
MACHINE MODEL Z-60M		SCALE	SHEET 1 OF 1	

This drawing and all information herein is the property of Zitropack, Ltd.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
X-X	A	CAD ORIGINAL	06/02/98	

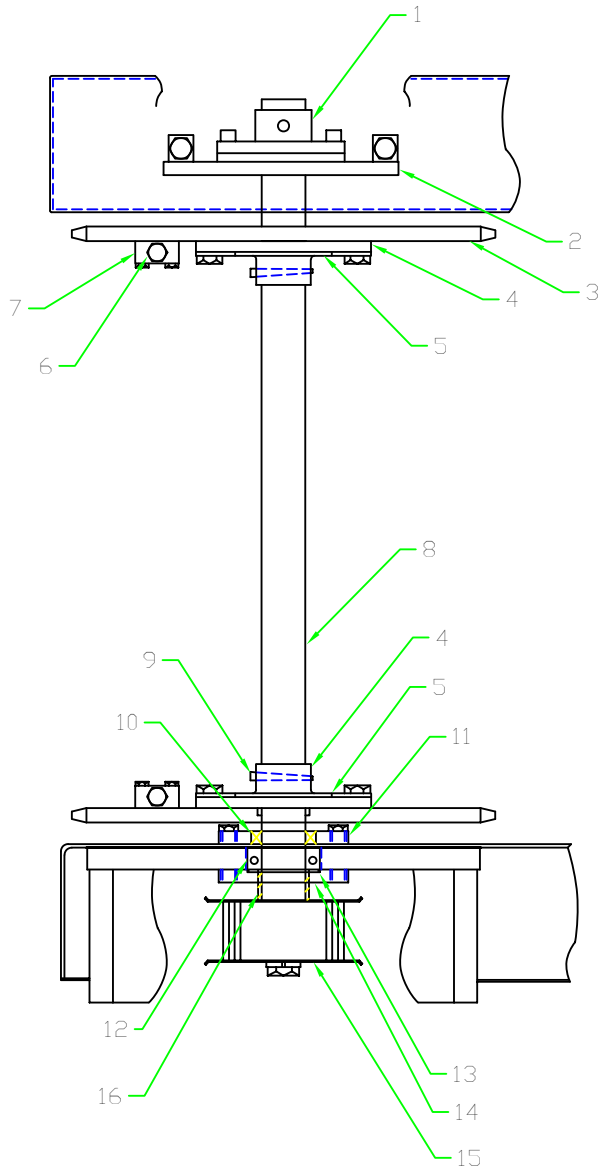
ITEM	PART NO.	DESCRIPTION	REQ'D	M/P
1	30XH200E	TIMING PULLEY	1	P
2	630XH200	TIMING BELT	1	P
3	51640	CONVEYOR SPROCKET WASHER	1	M
4	24XH200-SF	TIMING PULLEY BOTTOM	1	P
5	81637	TIGHTNER ROLLER BRACKET	1	M
6	81636	TIMING BELT IDLER ROLLER	1	M
7	62072RS	SKF BEARING	1	P
8	E 1-3/8 QD	TAPER LOCK	1	P
9	SFX-1 3/8 QD	TAPER LOCK	1	P
10	81609	FRAME BAR	2	M
11	4LS1	OVERLOAD MICROSWITCH	1	P
12	51633	DETECTOR ARM	1	M
13	81630	OVERLOAD ARM HOUSING	1	M
14	CFC-22	FLANGED BEARING 1 3/8 (INDEXER)	1	P

\* MICROSWITCH IS LOCATED ON THE GEAR BOX

SIDE VIEW

Z	Zitropack, Ltd.			
	TEL:630-766-1016 FAX:630-766-7211 E-MAIL: ZITROPACK@ADL.COM			
CONVEYOR DRIVE SPROCKET				
SERIAL # 2010	SIZE B	NAME R.O.	DWG NO. 1142-3	REV A
MACHINE: Z-6000	SCALE	SHEET 1 OF 1		

This drawing and all information herein is the property of Zitropack, LTD.



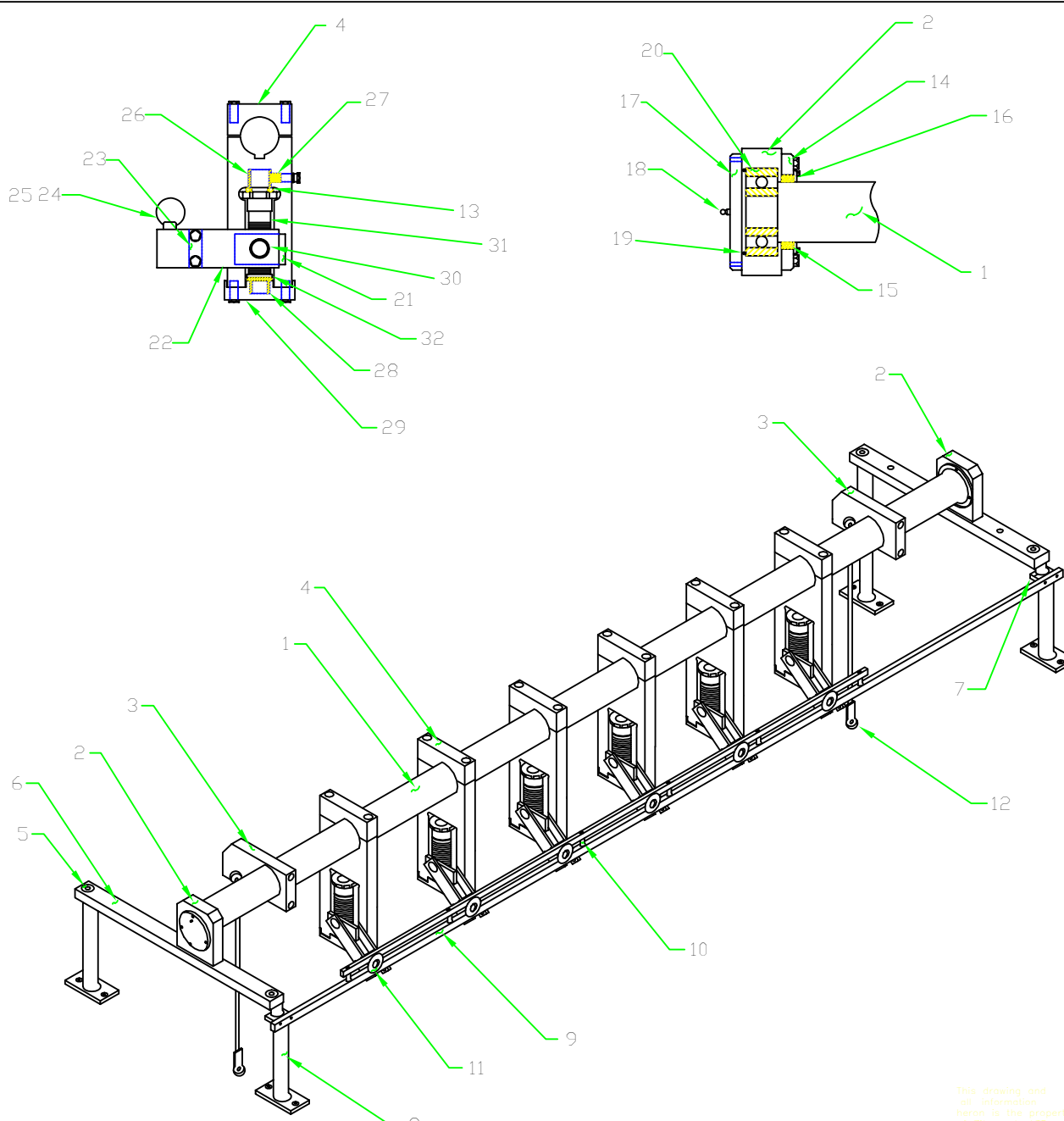
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
X-X	A	CAD ORIGINAL	05/29/98	

ITEM	PART NO.	DESCRIPTION	REQ'D	M/P
1	SFC-20	SET SCREW MOUNTED BEARING	1	P
2	51130	CONVEYOR DRIVE WELDMENT	1	M
3	51607	CONVEYOR DRIVE SPROCKET	2	M
4	51602	CONVEYOR DRIVE HUB	2	M
5	51604	CONVEYOR CLAMP RING	2	M
6	51605	ADJUSTMENT LOCKING BOLT	4	M
7	51606	THREADED ADJUSTMENT BLOCK	4	M
8	81600	CONVEYOR DRIVE SHAFT	1	M
9	#6-3.5	TAPER PIN	2	P
10	14960	OIL SEAL 1 1/2 x 2 1/4 x 1/4	2	P
11	51601	SEAL HOUSING	1	M
12	62072RS1	BEARING 1.378 x 2.835 x .670	2	P
13	231	O-RING 2 5/8 x 2 7/8 x 1/8	1	P
14	81644	BEARING RETAINER	1	M
15	24XH200SF	TIMING PULLEY	1	P
16	81646	BELT TIGHTENER BLOCK	1	M

TOP VIEW

Z	Zitropack, Ltd.			
	TEL:630-766-1016 FAX:630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
CONVEYOR DRIVE SPROCKET				
SERIAL# 2010	SIZE B	NAME R.O.	DWG NO. 1142-3	REV A
MACHINE: Z-6000	SCALE	SHEET 1 OF 1		

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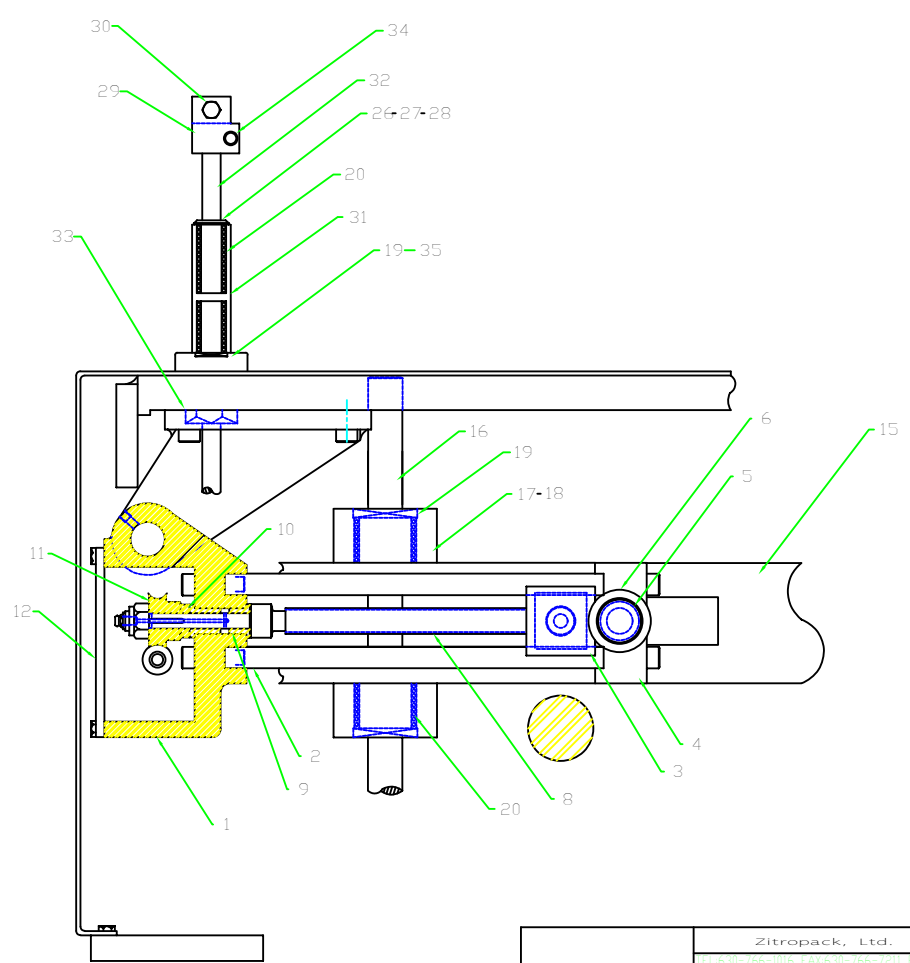
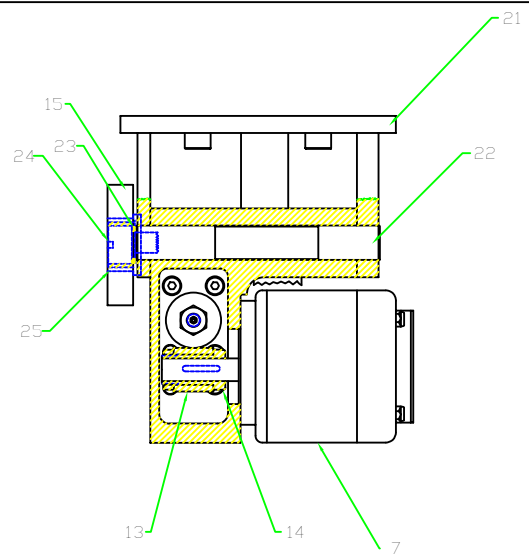
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
X=X	A	CAD ORIGINAL	05/14/98	

NUMBER	DESCRIPTION	PART NO.	REQ'D
1	PISTON DRIVE SHAFT	52186	1
2	PUMP DRIVE BEARING BLOCK	52183	2
3	PISTON DRIVE ARM	52195	2
4	PISTON ADJUSTMENT ARM ASSEMBLY	52197	6
5	HTD POST HEAVY WASHER	52248	4
6	PISTON DRIVE MTG. BAR	52211	2
7	POST CLAMP	52185	2
8	PUMP DRIVE MTG. POST	52209	4
9	PISTON GUIDE BAR	52249	1
10	GUIDE BAR STUD	52213	6
11	PISTON GUIDE SLEEVE	52214	6
12	FEMALE ROD END	KW102	4
13	THRUST WASHER	52208	6
14	SEAL CAP	52181	2
15	OIL SEAL	14939	2
16	FLAN DRIVER	52182	2
17	BEARING CAP	52180	2
18	STRAIGHT GREASE FITTING	1/4-28-3	1
19	O-RING 2 1/2 x 2 3/4 x 1/8	230	2
20	SELF-ALIGNMENT BEARING	7306 WN	4
21	ADJUSTMENT VOLUME BLOCK	52199	6
22	CONNECTING LINK	52206	6
23	CONNECTING LINK SPACER BLOCK	52247	6
24	LINK BUSHING	52246	12
25	QUICK RELEASE PIN	28404A500	6
26	PLAIN BUSHING 7/16 x 2/16 x 5/8	B 79-5	6
27	RICTION BOTTOM	52208	6
28	FLANGED BUSHING 1/2 x 3/8 x 7/8	FB 810-7	6
29	PISTON ARM BOTTOM BLOCK	52245	6
30	FLANGED BUSHING 3/8 x 1/4 x 1/2	FB 1012-4	12
31	ADJUSTING HANDWHEEL	52201	6
32	BACK-UP WASHER	52203	6

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<b>TOLERANCES</b> Unless otherwise specified:  Fraction $\pm .015$ Decimal $\pm .005$ Angle $\pm .1^\circ$	Zitropack, Ltd.			
	TEL: 630-765-0016 FAX: 630-765-7251 E-MAIL: ZIT@PACKMAIL.COM <b>UPPER PUMP DRIVE ASSEMBLY</b>			
SERIAL # 2010	SIZE C	DATE R.O.	REV NO. 5200	REV A
ISSUE NO. 2-98	SCALE	SHEET	OF 1	

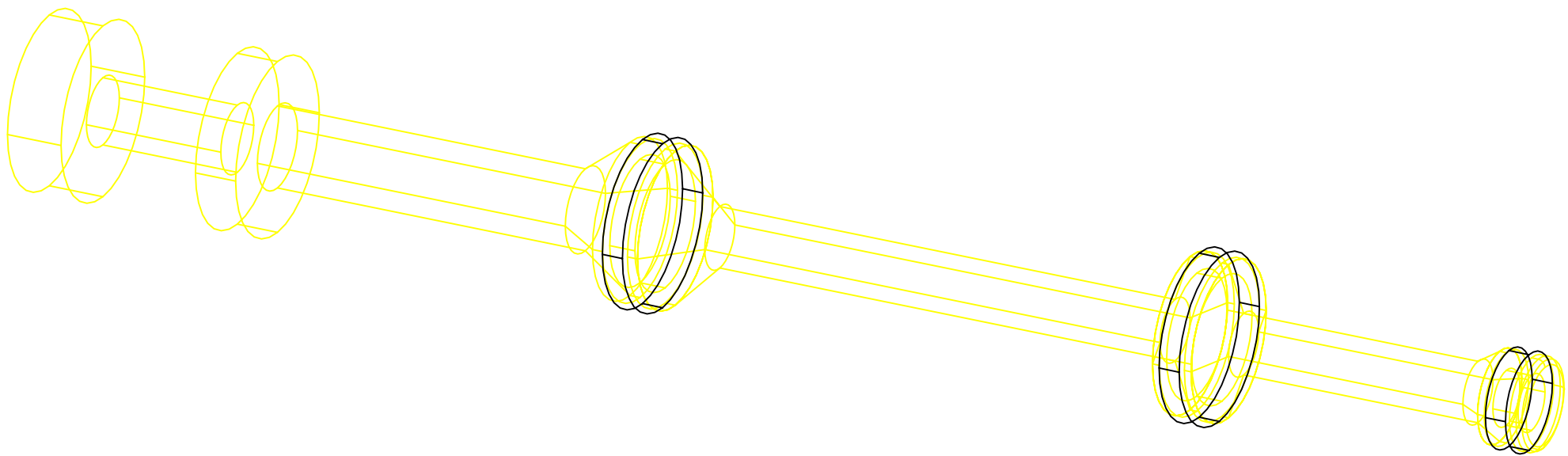
REVISED				
ZONE	REV	DESCRIPTION	DATE	APPROVED
X-X	A	CAD ORIGINAL	05/28/98	



NUMBER	DESCRIPTION	PART NO.	REQ'D	M/P
1	VOLUME CONTROL CASTING	52109	1	M
2	END PLATE PUMP	52110	2	M
3	ADJUSTING PIVOT	52111	1	M
4	VOLUME CONTROL END PLATE	52112	1	M
5	PUMP CAM SPACER	52113	1	M
6	CAM FOLLOWER	CF-1 3/4 SR	1	P
7	MOTOR DRIVE ASSEMBLY	52114	1	M
8	VOLUME CONTROL SHAFT	52117	1	M
9	FLANGED BUSHING 3/8 x 7/8 x 5/8	FB 1014-5	2	P
10	VOLUME CONTROL SPACER	52118	1	M
11	VOLUME CONTROL WORM GEAR	D 1600	1	P
12	CASTING COVER	52119	1	M
13	WORM GEAR RH	D 1607K	1	P
14	MOTOR WORM BUSHING	52115	1	M
15	PUMP BUSHING PLATE	52106	1	M
16	THOMSON ROD	51180-18	1	M
17	PUMP BUSHING BLOCK	52104	2	M
18	BEARING SPACER	52105	2	M
19	OIL SEAL	9235	6	P
20	1" BALL BEARING	B 162936	8	P
21	PIVOT BRACKET	52120	1	M
22	PUMP DRIVE PIVOT SHAFT	52108	1	M
23	CAM FOLLOWER SPACER	52124	1	M
24	CAM FOLLOWER	CF-1 3/4 SR	1	P
25	SLIDE BLOCK	52106	1	M
26	O-RING 1 x 1 1/4 x 1/8	214	2	P
27	OIL SEAL	S-1000	2	M
28	UPRIGHT SEAL CAP	51142	2	M
29	PISTON DRIVE CLAVIS	52191	2	M
30	LOWER ROD END BOLT	52193	2	M
31	BEARING HOUSING	51115	2	M
32	PISTON DRIVE SHAFT	51180-20.5	2	M
33	HEX NUT 2"	51143	2	M
34	ROD LOCK	10185	2	M
34	INTERNAL RETAINING RING	HD-162-S1P	2	P

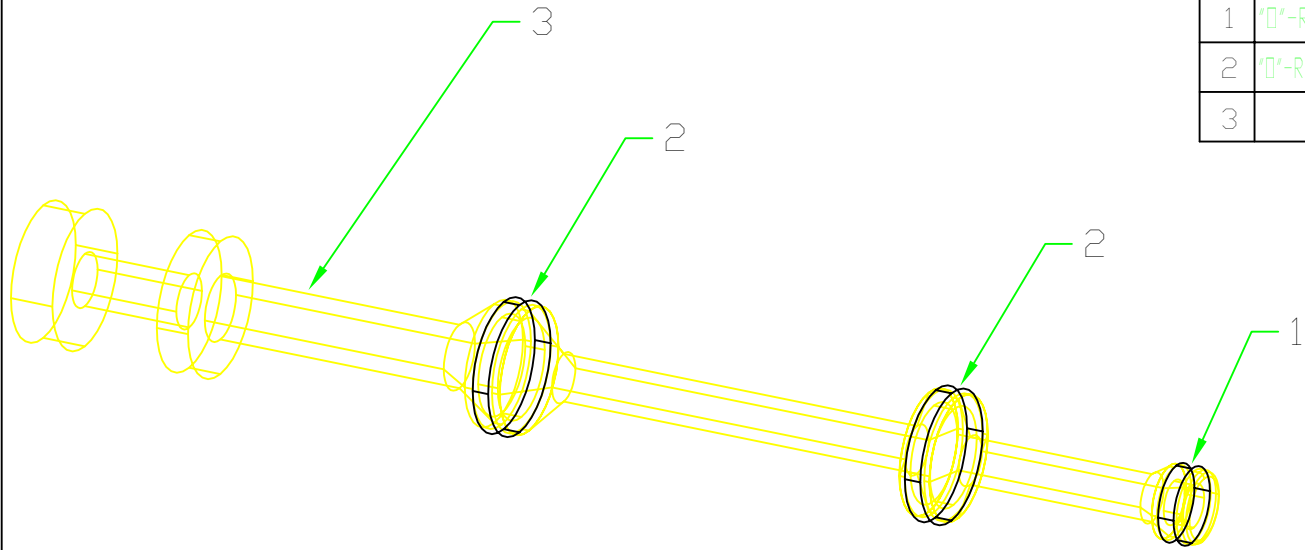
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Z	Zitropack, Ltd.			
	TEL: 630-766-0000 FAX: 630-766-7231 E-MAIL: ZIT@PACKMAIL.COM			
LOWER PUMP DRIVE ASSEMBLY				
SERIAL# 2010	SIZE C	DATE R.O.	DWG NO. 5201	REV A
MACHINE MODEL Z-600	SCALE		SHEET	OF 1



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	CAD ORIGINAL	03/31/98	

ITEM	DESCRIPTION	PART#	REQ'D
1	O-RING 1/2 x 7/8 x 3/16	310	1
2	O-RING 1 1/8 x 1 1/2 x 3/16	320	2
3	STEM SHAFT	5807	1



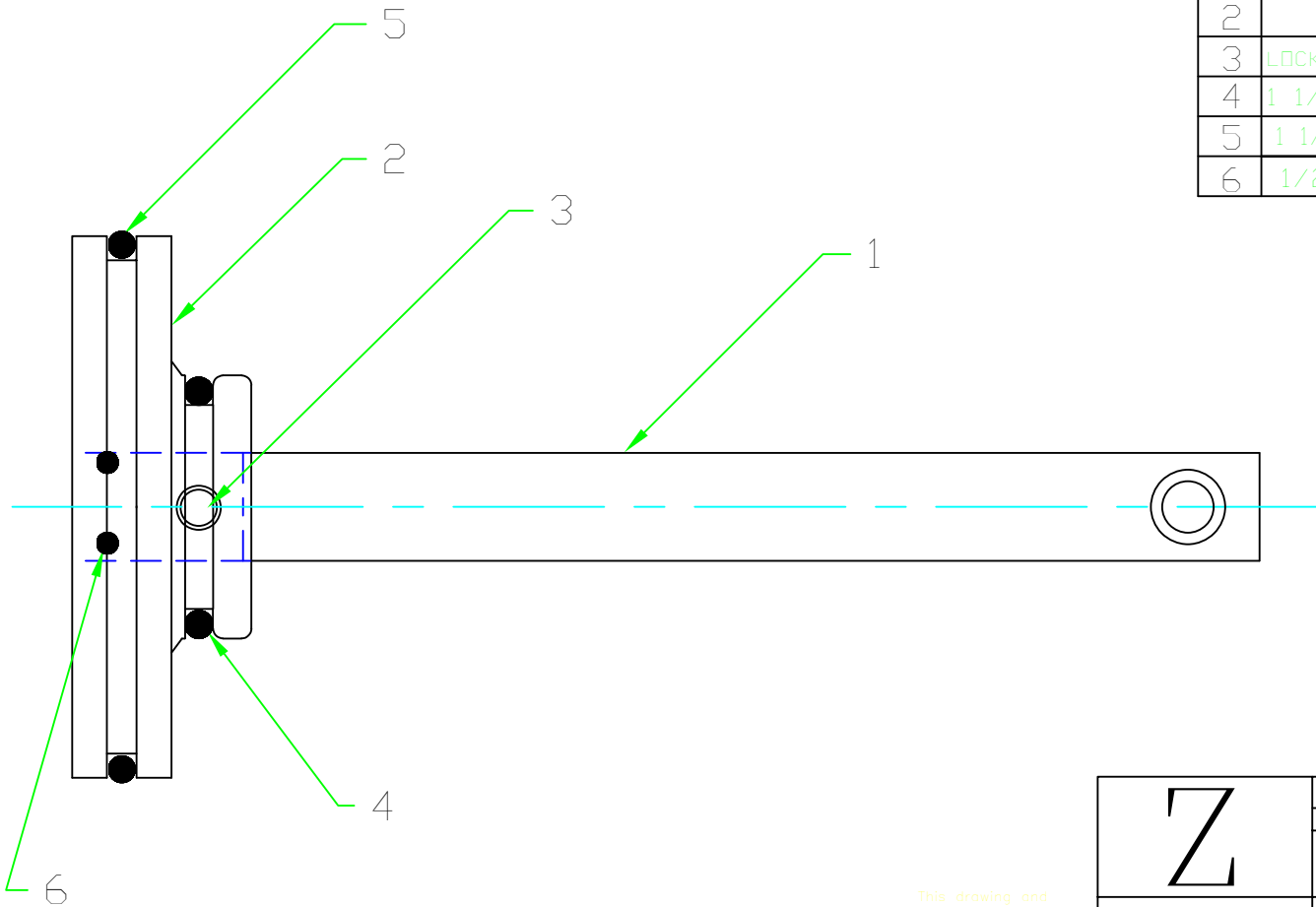
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Z	ZITROPACK, LTD.			
	TEL: 630-766-1015 FAX: 630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
STEM SHAFT ASSEMBLY				
MACHINE MODEL: Z-6000	R	R.O.	5807	A
SERIAL NUMBER: 2011	NONE			



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	CAD ORIGINAL	06/10/96	

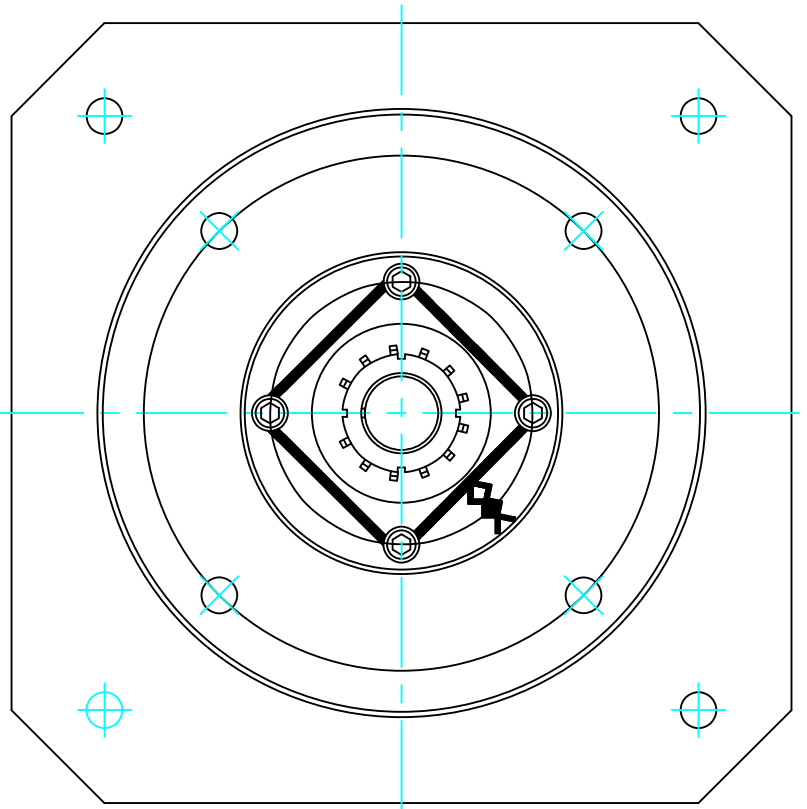
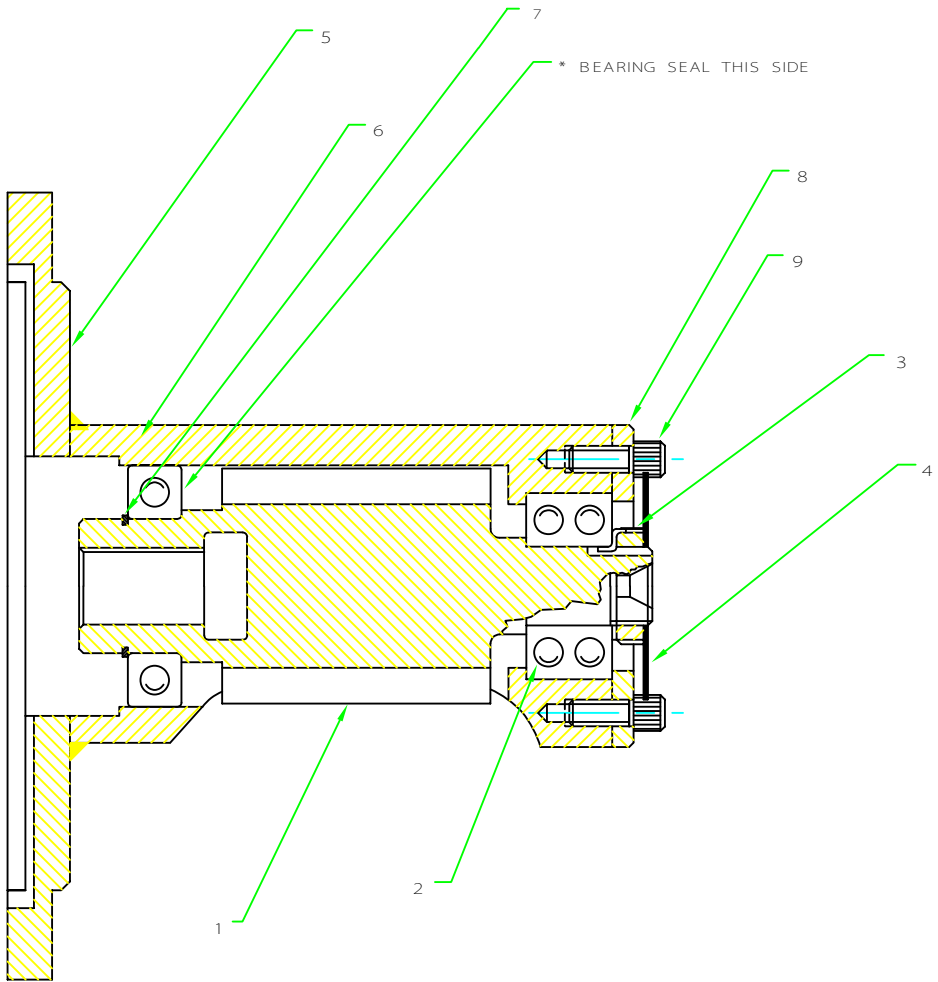
ITEM	DESCRIPTION	PART NO.
1	PISTON SHAFT	6006
2	PISTON HUB	6005
3	LOCK PIN 5/16 x 1 3/16	606
4	1 1/4 x 1 1/2 x 1/8	218
5	1 1/4 x 1 5/8 x 3/16	322
6	1/2 x 3/4 x 1/8	206



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<b>Z</b>	Zitropack, Ltd.			
	TEL:630-766-1016 FAX:630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
PISTON SHAFT ASSEMBLY				
SERIAL# 2010	SIZE B	NAME R.O.	DWG NO. 6004	REV A
MACHINE MODEL: Z-8000	SCALE		SHEET	1 OF 1

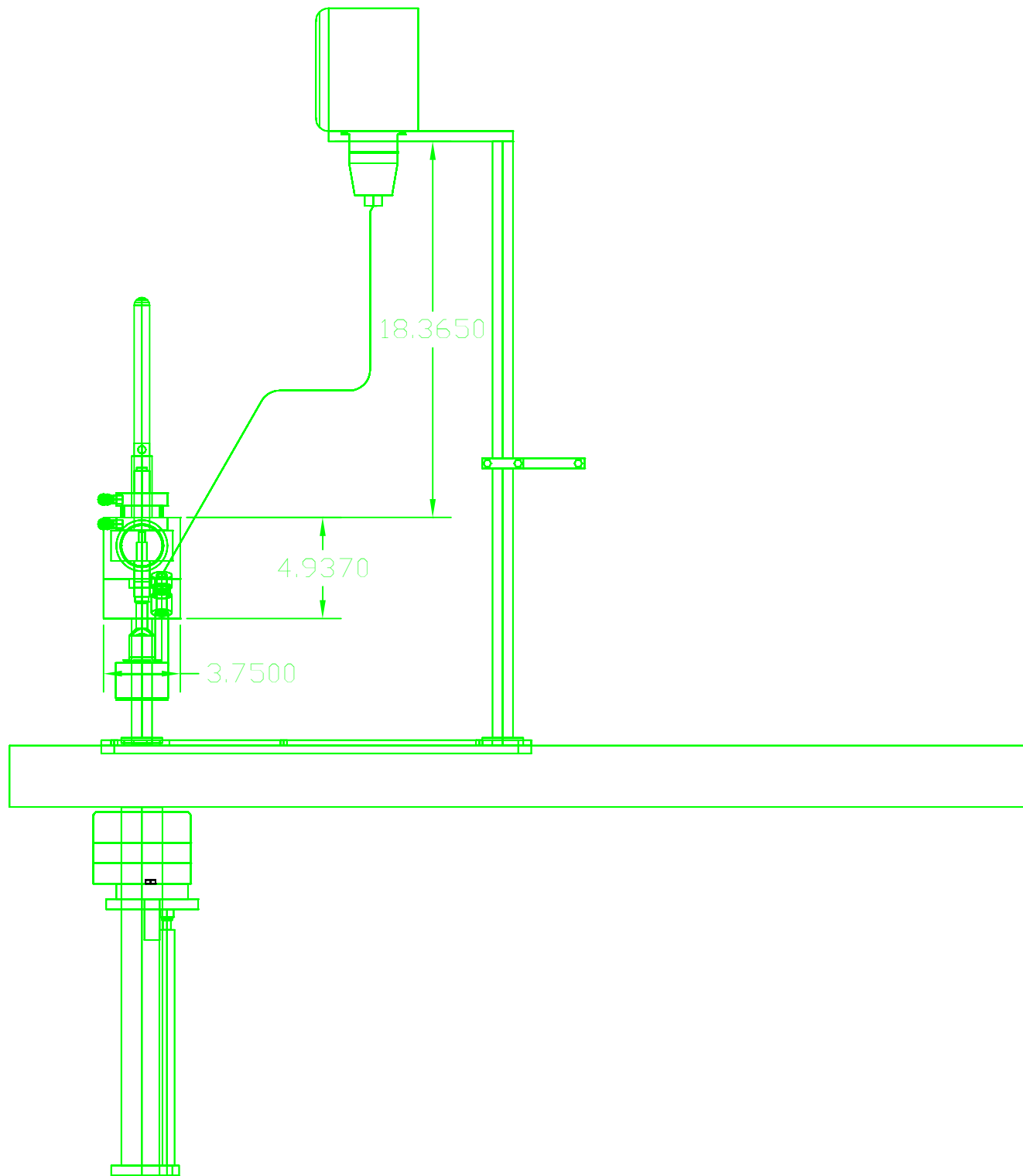
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
X-X	A	CAD ORIGINAL	07/21/98	

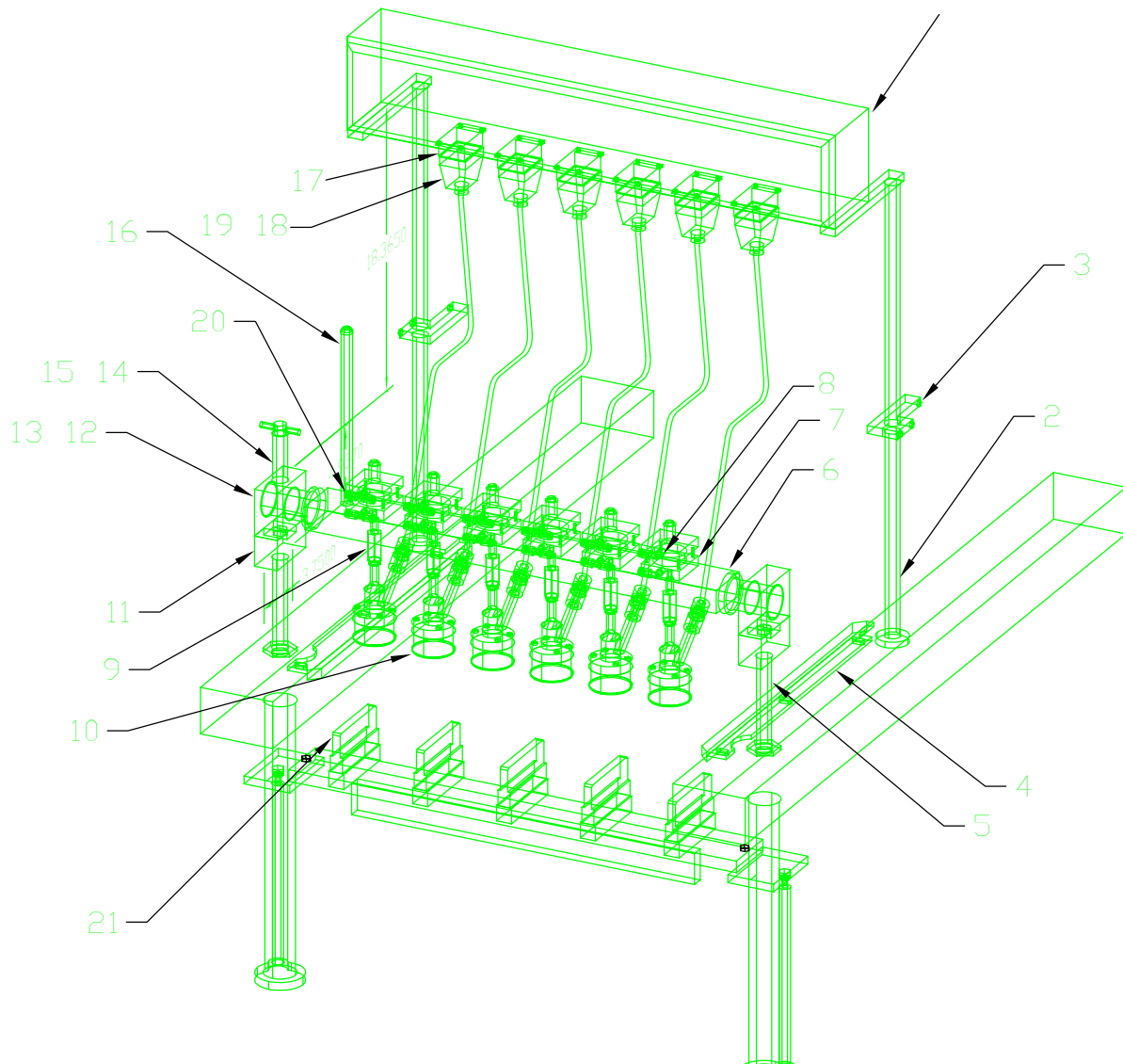


PART NO.	DESCRIPTION
51518	DRIVE WORM
5306CZZ	DOUBLE BEARING
W-06	LOCK WASHER
N-06	LOCK NUT
51519	MOTOR WORM PLATE
50112RS	SKF BEARING 2.1654 x 3.5433 x .7087
H 215ST PA	EXTERNAL RETAINING RING 1.993 I.D.
51520	WORM BEARING CAP
51521	BEARING CAP SCREW

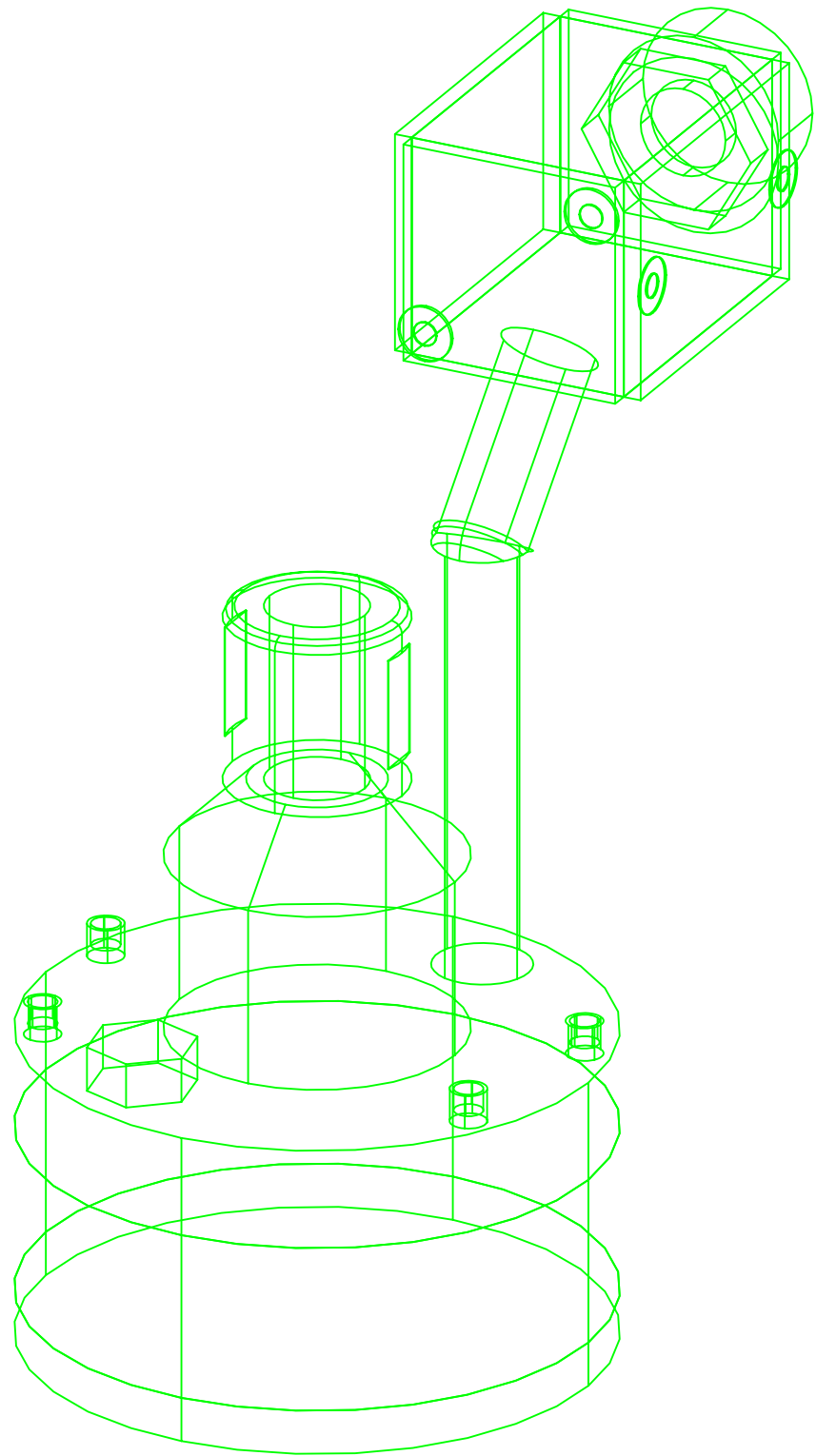
This drawing and all information herein is the property of Zitropack, LTD

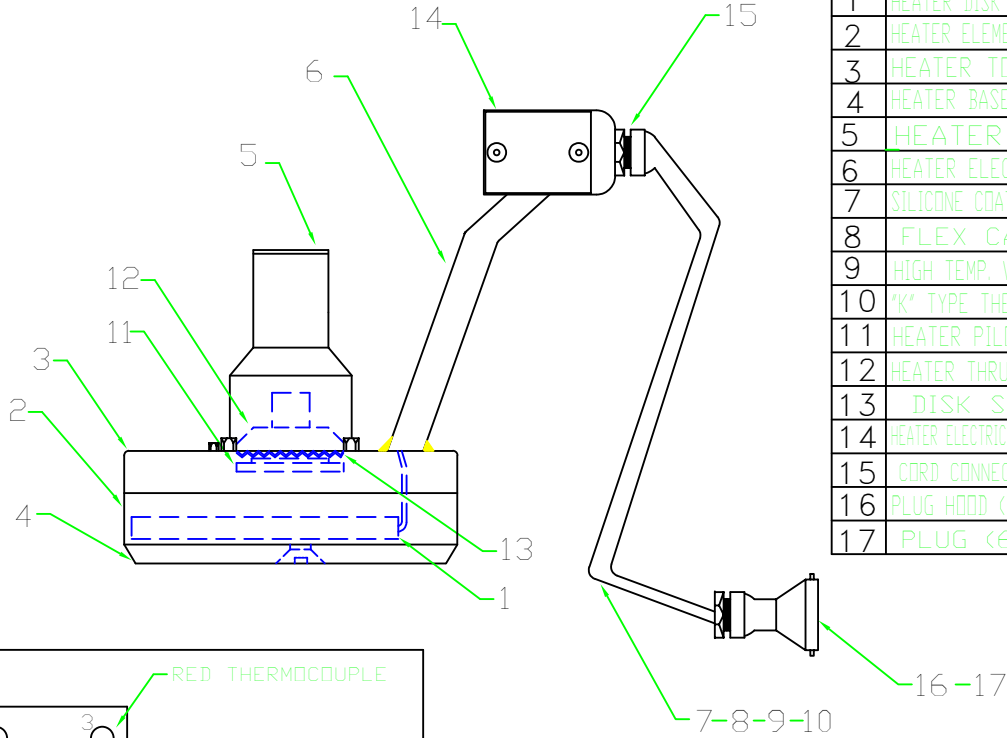
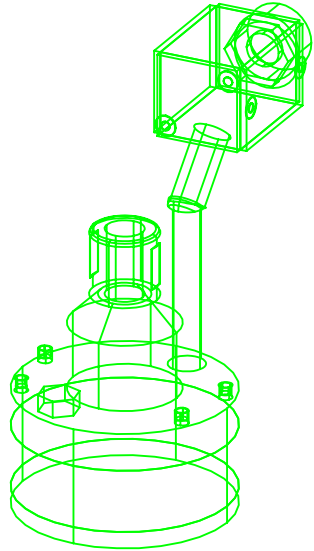
<h1>Z</h1>	Zitropack, Ltd.		
	TEL: 630-766-1016 FAX: 630-766-7211 E-MAIL: ZITROPACK@AOL.COM		
<h2>WORM SHAFT DRIVE</h2>			
SERIAL# 2010	SIZE <b>B</b>	NAME <b>R.O.</b>	DWG NO. 51517
MACHINE MODEL: Z-6000	SCALE	SHEET	1 OF 1





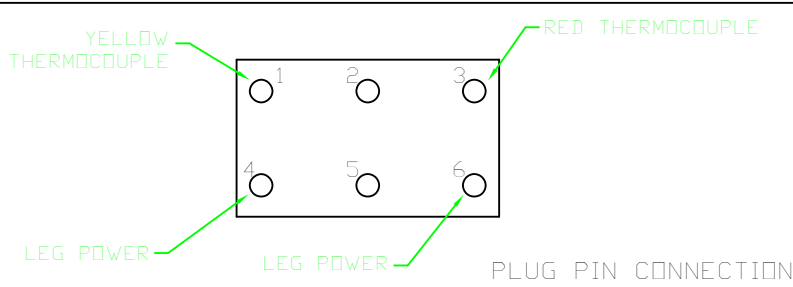
ITEM	PART NO.
1	61357
2	81362
3	82822
4	81648
5	1-32.75-S
6	62820-10
7	FP-313
8	KQ2L07-34S
9	8220
10	62920-10
11	82808
12	82809
13	CB-3236-24-M
14	82810
15	82811
16	82818
17	H-BE 10.0030
18	HUB13 10.0110
19	HB-E 10.1900
20	KQ2L07-34S
21	5830





REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	CAD ORIGINAL	03/04/97	

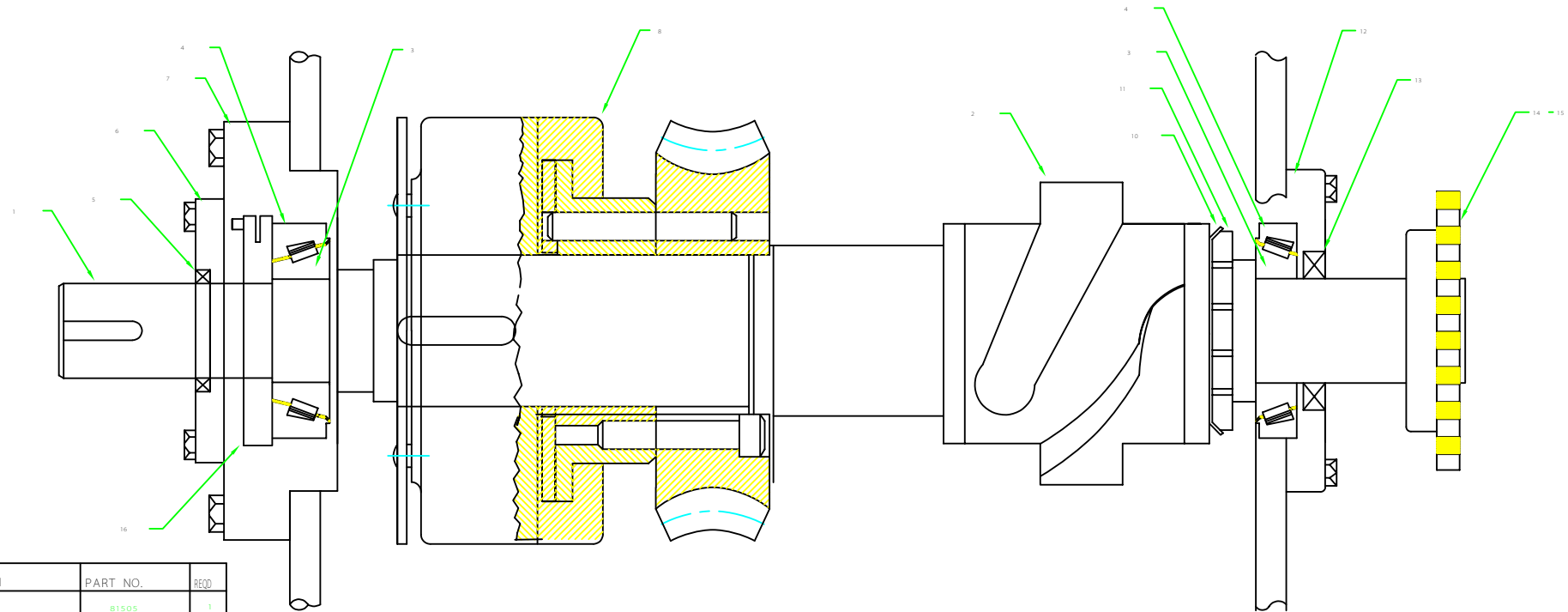
ITEM	DESCRIPTION	PART NO.
1	HEATER DISK 240v 300w	241-600031-005 A-00 VW
2	HEATER ELEMENT HOUSING	62922
3	HEATER TOP PLATE	82923-3.100
4	HEATER BASE ASSEMBLY	82921-3.100-4140-S
5	HEATER SHAFT	82924-1/2-20
6	HEATER ELECTRIC STUD	5903
7	SILICONE COATED SLEEVE	8772K524
8	FLEX CABLE	54915K48
9	HIGH TEMP. WIRE 16 GA	116-616
10	K* TYPE THERMOCOUPLE	RS10-0-B36K
11	HEATER PILOT SLEEVE	62927
12	HEATER THRUST WASHER	5843-1.5
13	DISK SPRING	9713K86-1.5
14	HEATER ELECTRIC STUD HOUSING	DA6391-1
15	CORD CONNECTOR ST-13	12.9902
16	PLUG HOOD (TOP ENTRY)	HUB 13 10.0110
17	PLUG (6 PINS)	HB-E 10.1900



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<b>Z</b>	Zitropack, Ltd.			
	TEL: 630-766-0005 FAX: 630-766-7200 E-MAIL: ZITROPACK@AOL.COM			
<b>HEATER HEAD ASSEMBLY</b>				
SERIAL# 2010	NAME R.O.	DWG NO. 62920-2010	REV A	
MACHINE MODEL: Z-6000			PAGE 1 OF 1	

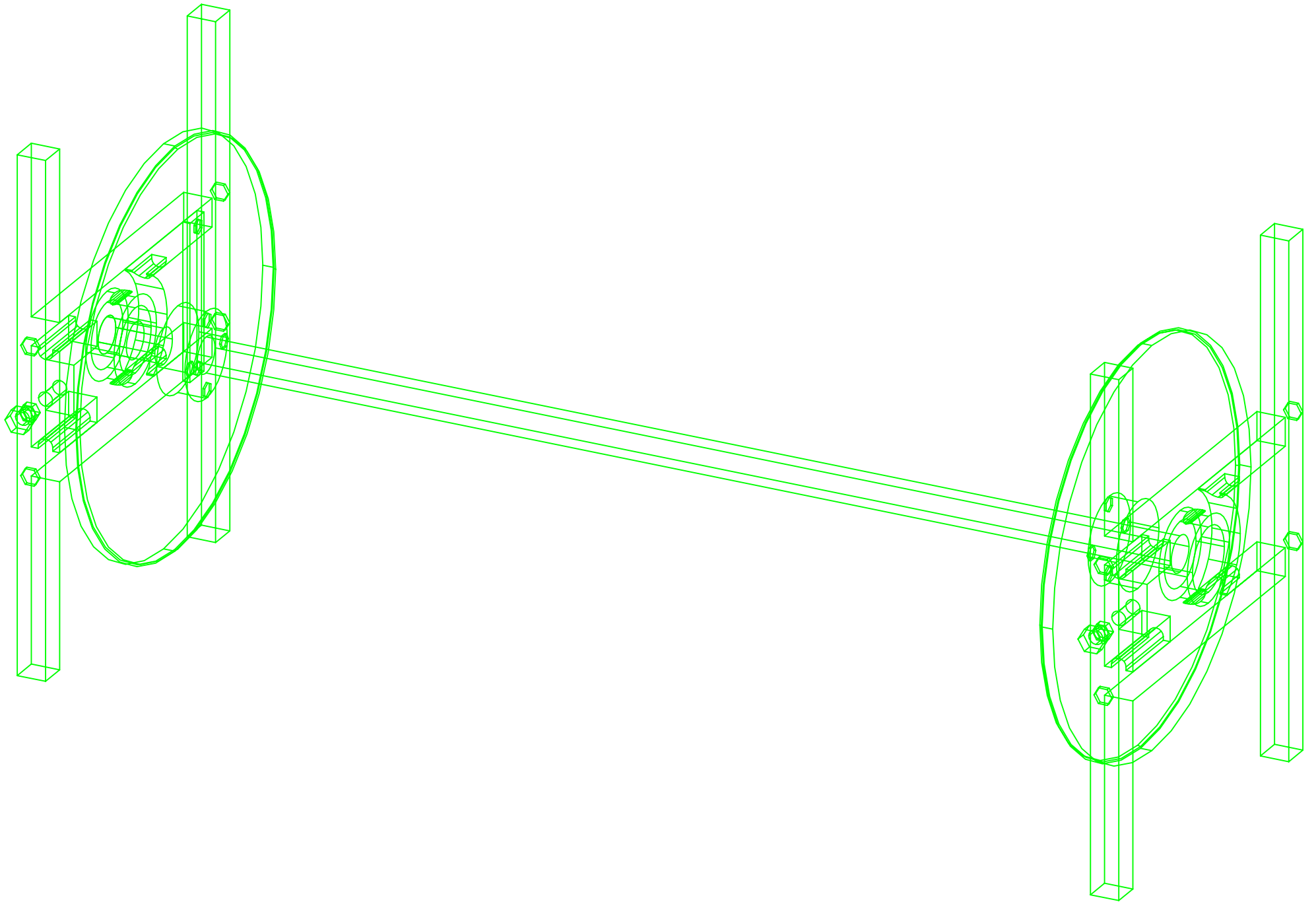
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
X-X	A	CAD ORIGINAL	11/04/98	



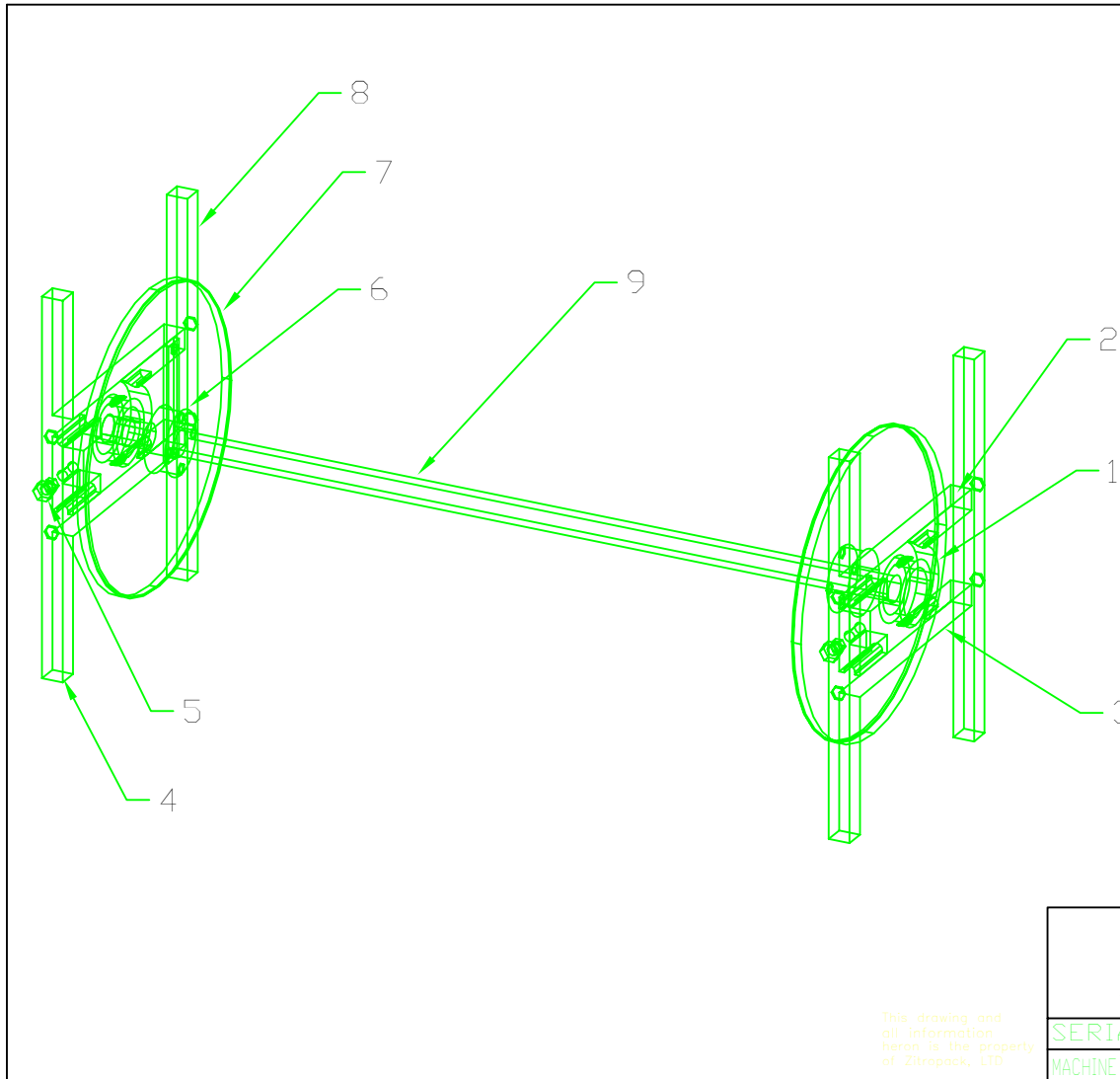
ITEM	DESCRIPTION	PART NO.	REQD.
1	DRIVE SHAFT	81505	1
2	INDEXER CAM	756150-LH	1
3	CONE BEARING	527-S	2
4	CUP BEARING	520-X	2
5	SEAL 1 3/4 x 2 3/4 x 5/16	CR 17523	1
6	SEAL CAP	81530	1
7	OUTPUT BEARING HOUSING	81528	1
8	OVERLOAD CLUTCH	51507	1
9			
10	LOCK WASHER	W-14	1
11	LOCK NUT	N-14	1
12	INPUT BEARING HOUSING	81531	1
13	SEAL 1 3/4 x 2 3/4 x 5/16	CR 17523	1
14	CHAIN COUPLING SPROCKET	6020H	1
15	TAPER LOCK	2012-1 3/4	1
16	BEARING LOCK NUT	81529	1

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<h1>Z</h1>	Zitropack, Ltd.			
	TEL: 630-766-1016 FAX: 630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
GEAR BOX DRIVE SHAFT ASSEMBLY				
SERIAL# 2010	SIZE	NAME	ENG. NO.	REV.
MACHINE MODEL: Z-6000	B	R.O.	81504	A
SCALE			SHEET	1 OF 1





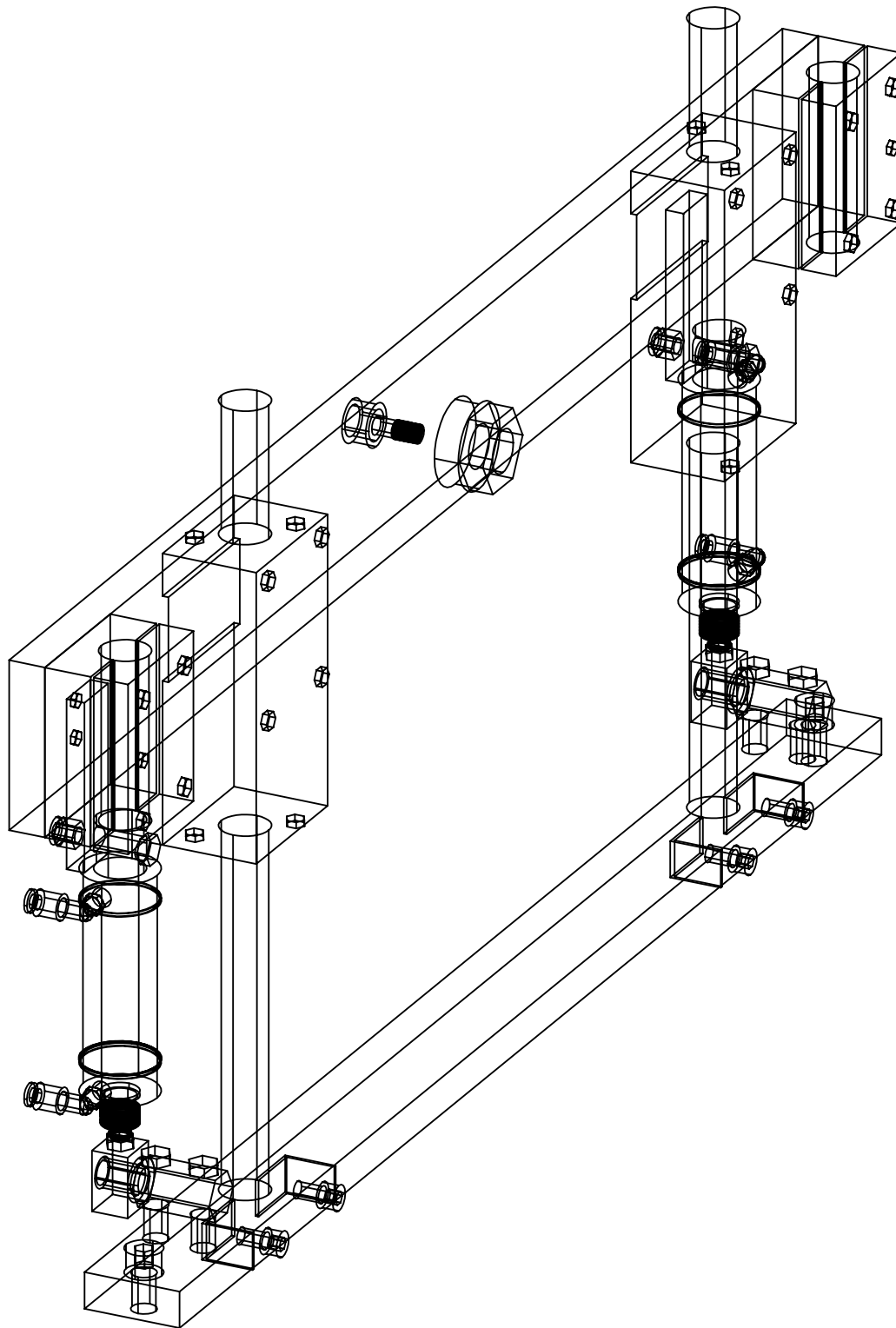


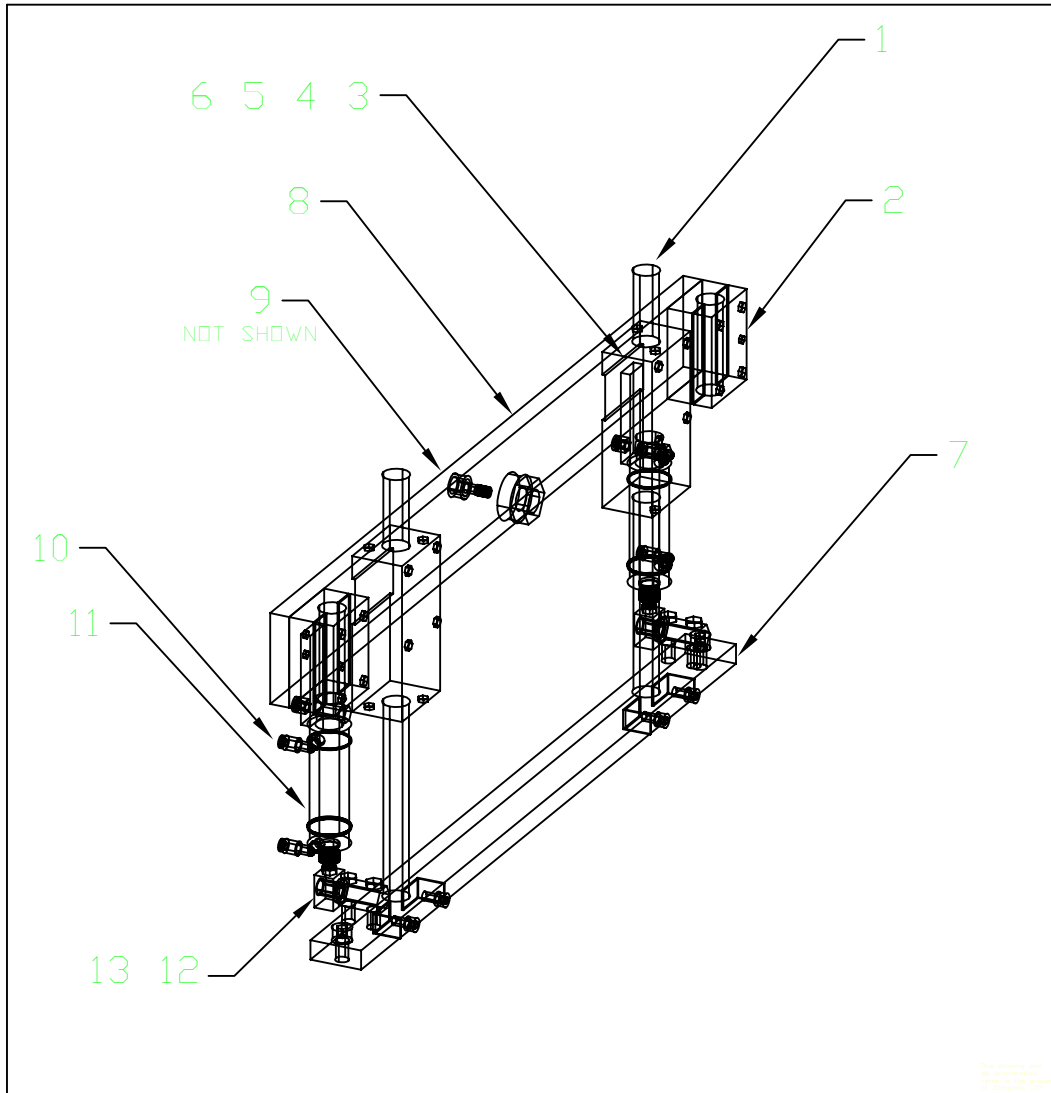
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	CAD ORIGINAL	02/02/99	

ITEM	DESCRIPTION	PART NUMBER	REQD
1	TAKE-UP BEARING	MB 25 1 1/4 PIN	2
2	BEARING BAR UPPER	51703	2
3	BEARING BAR LOWER	51702	2
4	TAKE-UP INSIDE POST	51701	2
5	IDLER TIGHTNER BOLT	81706	2
6	IDLER SPROCKET FLANGE	51707	2
7	IDLER DISK	81708	2
8	TAKE-UP END POST	51700	2
9	SPROCKET SHAFT	51704	1

This drawing and all information herein is the property of Zitropack, LTD

Z	Zitropack, Ltd.			
	TEL:630-766-1015 FAX:630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
TAKE-UP ASSEMBLY				
SERIAL# 2010	SIZE B	NAME R.O.	DWG NO. 81700	REV A
MACHINE MODEL: Z-6000			SHEET	1 OF 1



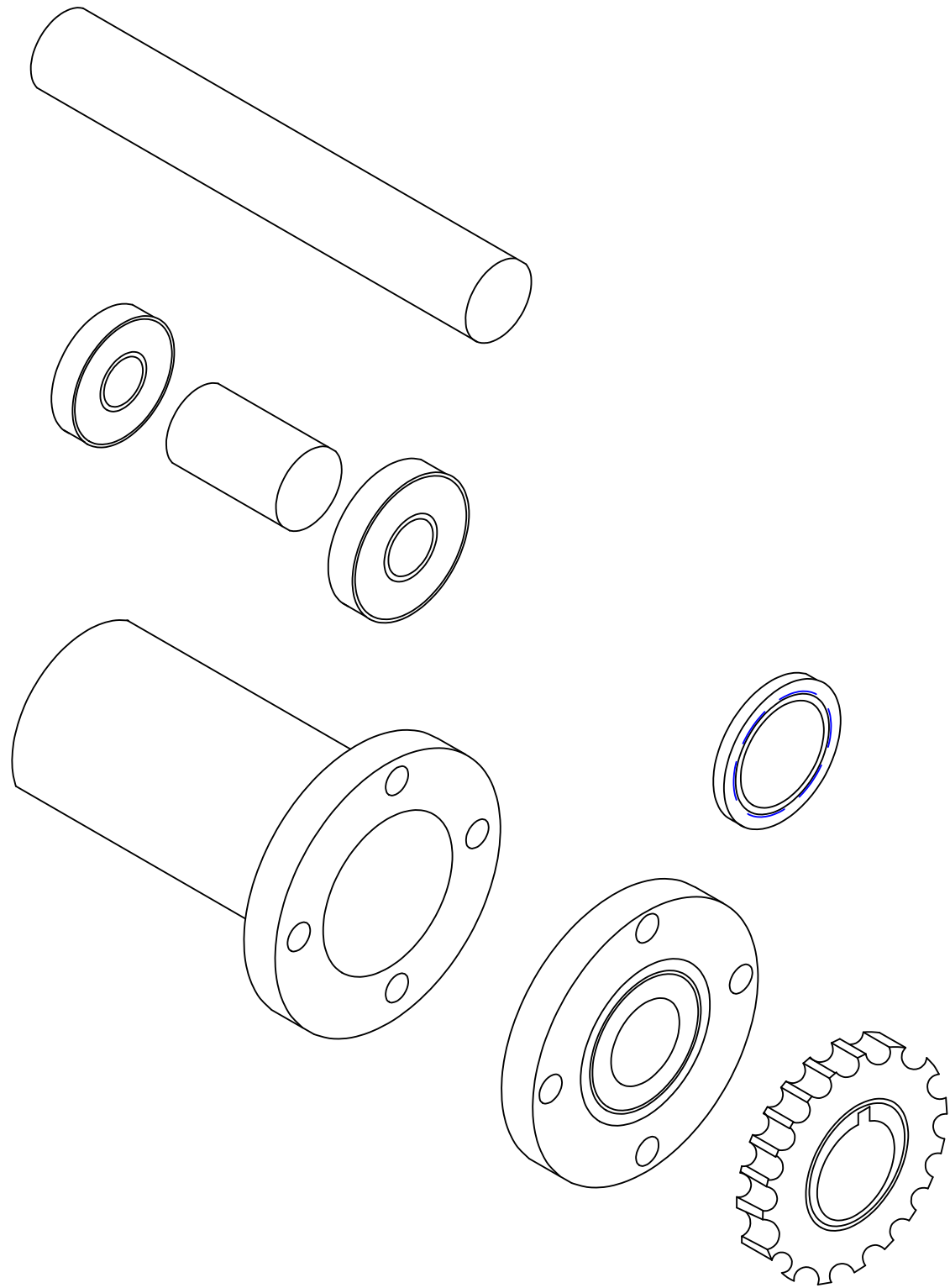


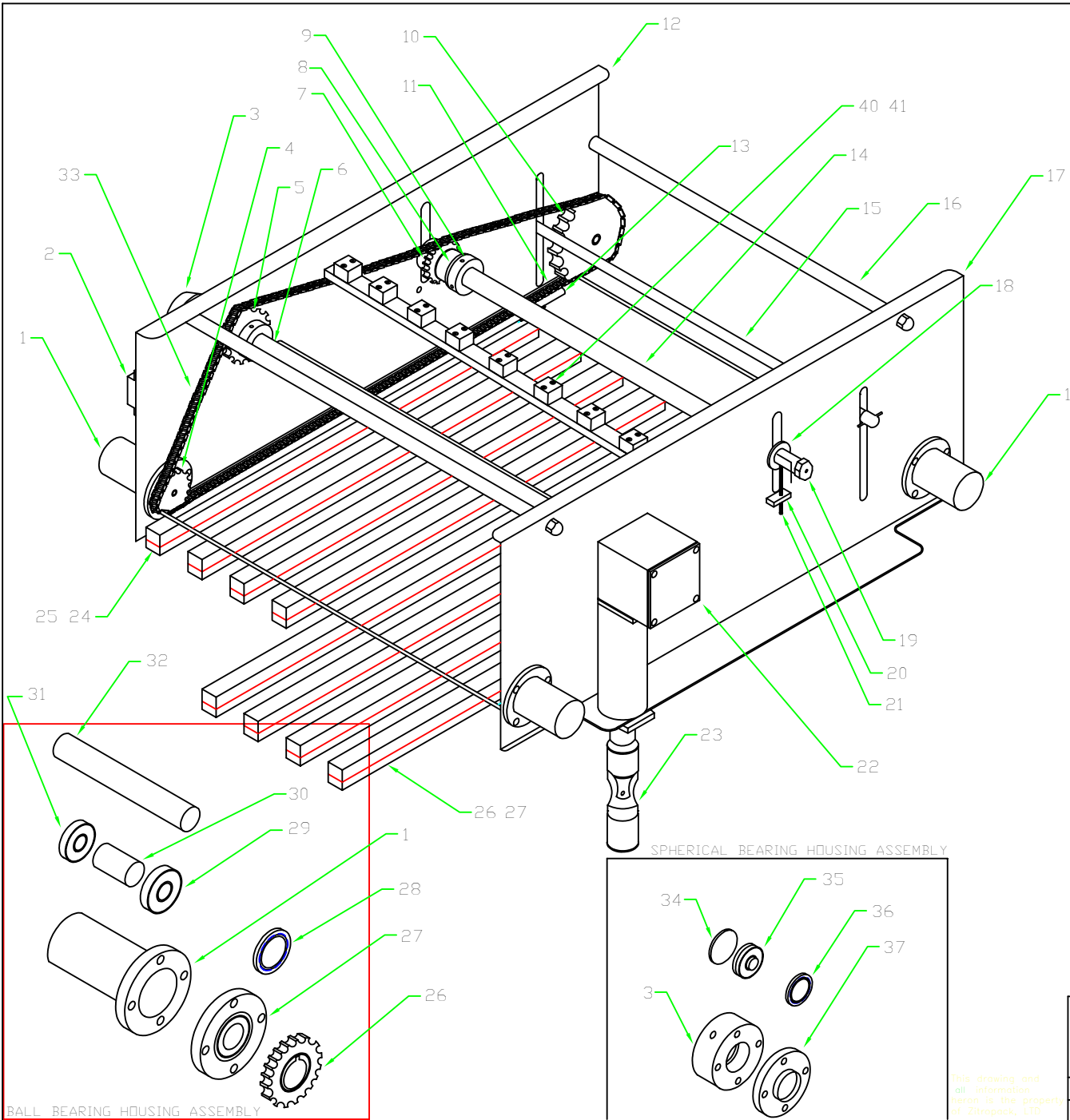
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	CAD ORIGINAL	03/23/00	

ITEM	PART NO	DESCRIPTION	REQ'D	M/P
1	1-16,250-S	THOMPSON ROD 16 1/4	2	M
2	XXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	2	M
3	52801	THOMPSON BEARING BLOCK	2	M
4	B-162536	1" THOMPSON BALL BEARING	4	P
5	CR 9935	OIL SEAL 1 x 1 5/8 x 1/4	4	P
6	52802	BEARING SPACER	4	M
7	XXXXXX	XXXXXXXXXXXXXXXXXXXXXXX	1	M
8	82804	HEAT SEAL CROSS MEMBER	1	M
9	CFH-1 1/2-SB	HEAVY DUTY MODIFIED CAM FOLLOVER	1	P
10	XXXXXX	ELBOW CONNECTOR 1/4 x 1/4	4	P
11	SR-172-DP	ROUND AIR CYLINDER	2	P
12	53512	CONNECTING BLOCK	2	M
13	FB 810-7	FLANGED BUSHING 1/2 x 5/8 x 7/8	2	P

"M" MEANS MANUFACTURED & "P" MEANS PURCHASED

<h1>Z</h1>	Zitropack, Ltd.			
	TEL: 630-766-1015 FAX: 630-766-7211 E-MAIL: ZITROPACK@AOL.COM			
LOWER HEATER DRIVE				
MODEL: Z-4000 SERIAL# 2013	SIZE: B	NAME: R.O.	DWG NO.: 628001	REV: A
GENERAL MILLS-METHUEN, MA			SHEET	1 OF 1





REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
x-y	A	CAD ORIGINAL	05/26/98	

ITEM	PART NUMBER	DESCRIPTION	REQD
1	BALL BEARING HOUSING	53620	4
2	SENSOR	115-6Y-06K	1
3	SPHERICAL BEARING HOUSING	53611	1
4	DISCHARGE IDLER SPROCKET	53624	2
5	DISCHARGE DRIVE SPROCKET	53607	2
6	DISCHARGE DRIVE SHAFT	53604	1
7	SPROCKET GEAR 51RS18	53653	2
8	DISCHARGE NYLON WASHER	53666	2
9	DISCHARGE TIGHTNER COLLAR	53623	2
10	DISCHARGE HEAD SPROCKET	53614	2
11	DISCHARGE SIDE BAR	53665	2
12	DISCHARGE FRAME RIGHT	53600	1
13	DISCHARGE CHAIN GUIDE	53664	2
14	DISCHARGE TIGHTNER SHAFT	53622	1
15	STOP CROSS ROD	53682	1
16	DISCHARGE FRAME ROD	53633	3
17	DISCHARGE FRAME LEFT	53601	1
18	DISCHARGE TIGHTNER WASHER	53620	1
19	DISCHARGE TIGHTNER NUT	53630	2
20	DISCHARGE TIGHTNER BLOCK	53631	2
21	DISCHARGE TIGHTNER SCREW	53632	1
22	GEAR BOX COVER	53603	1
23	UNIVERSAL JOINT D-10B	53652	1
24	DISCHARGE SLIDE MTD. BAR	83679-26.5	4
25	DISCHARGE SLIDE (PLASTIC)	83681-26.5	4
26	DISCHARGE SLIDE MTD. BAR	83679-31.75	4
27	DISCHARGE SLIDE (PLASTIC)	83682-31.75	4
28	DISCHARGE TAIL SPROCKET	53618	1
29	BALL BEARING CAP	53617	1
30	OIL SEAL 1 1/4 x 1 11/16 x 1/2	12336	1
31	BEARING 7874 x 2.0472 x .590	63042RS	1
32	HORIZONTAL BEARING SPACER	53616	1
33	BEARING 7874 x 1.8504 x .550	62042RS	1
34	BALL BEARING SHAFT	53615	1
35	CONNECTOR CHAIN UPPER	53642	2
36	O-RING 1 3/16 x 1 7/16 x 1/8	217	1
37	HEIM SSSL BEARING 3/4	LSS14	1
38	OIL SEAL 1 1/4 x 1 11/16 x 1/2	12336	1
39	SPHERICAL BEARING HOUSING CAP	53612	1
40	DISCHARGE PUSH BAR	83640	8
41	DISCHARGE SLIDE SPACER	83641	48

Z

**Zitropack, Ltd.**  
TEL: 630-765-7015 FAX: 630-765-7211 E-MAIL: ZITROPACK@AOL.COM

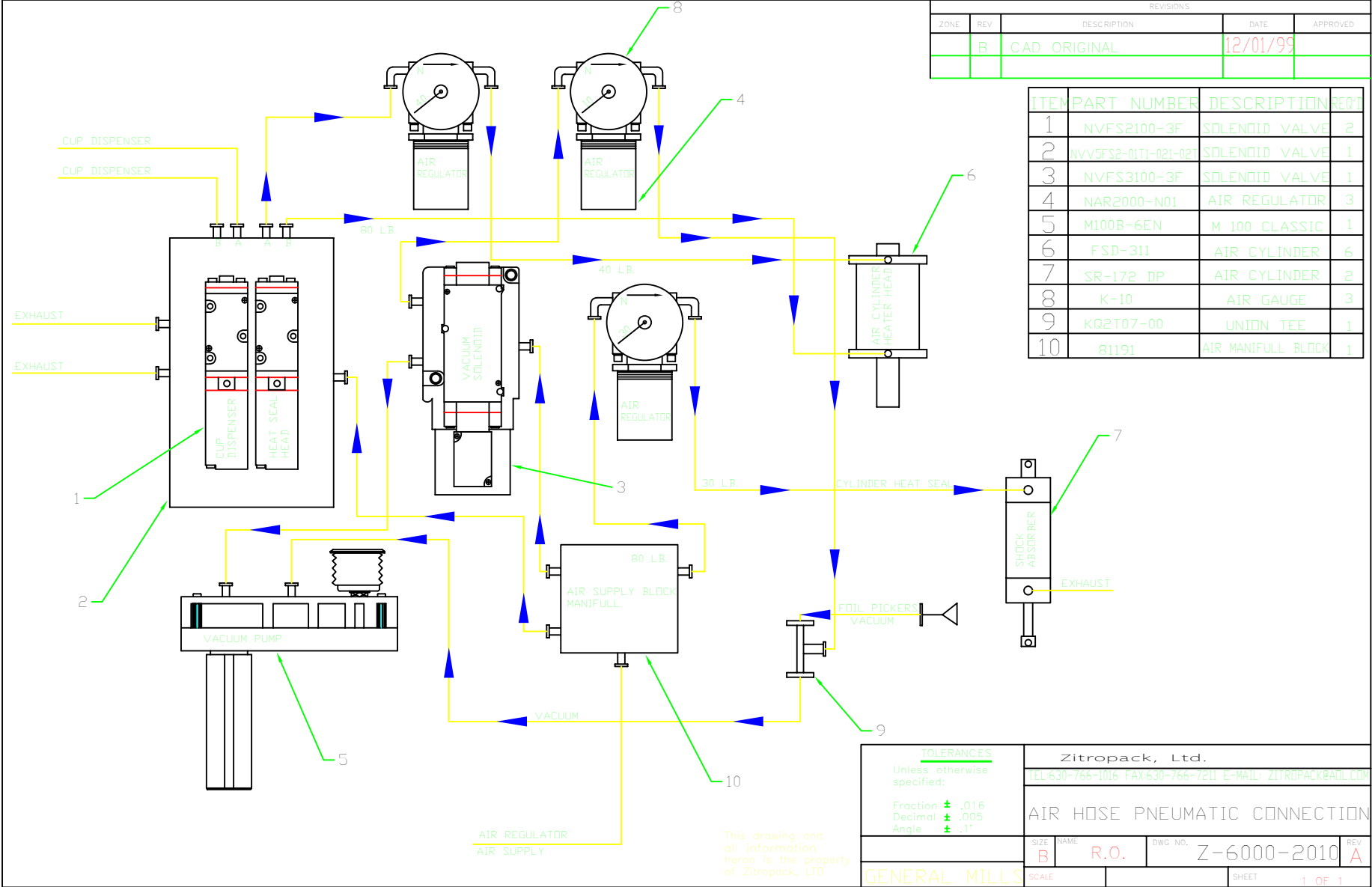
**DISCHARGE ASSEMBLY**

SIZE	NAME	REV. NO.	REV.
C	R.O.	Z-8000-2010	A
SERIAL # 2010		SCALE	HEET 1 OF 1

This drawing and all information herein is the property of Zitropack, Ltd.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	CAD ORIGINAL	12/01/99	

ITEM	PART NUMBER	DESCRIPTION	REQD
1	NVFS2100-3F	SOLENOID VALVE	2
2	NVV5FS2-01T1-021-02T	SOLENOID VALVE	1
3	NVFS3100-3F	SOLENOID VALVE	1
4	NAR2000-N01	AIR REGULATOR	3
5	M100B-6EN	M 100 CLASSIC	1
6	FSD-311	AIR CYLINDER	6
7	SR-172 DP	AIR CYLINDER	2
8	K-10	AIR GAUGE	3
9	KQ2T07-00	UNION TEE	1
10	81191	AIR MANIFULL BLOCK	1

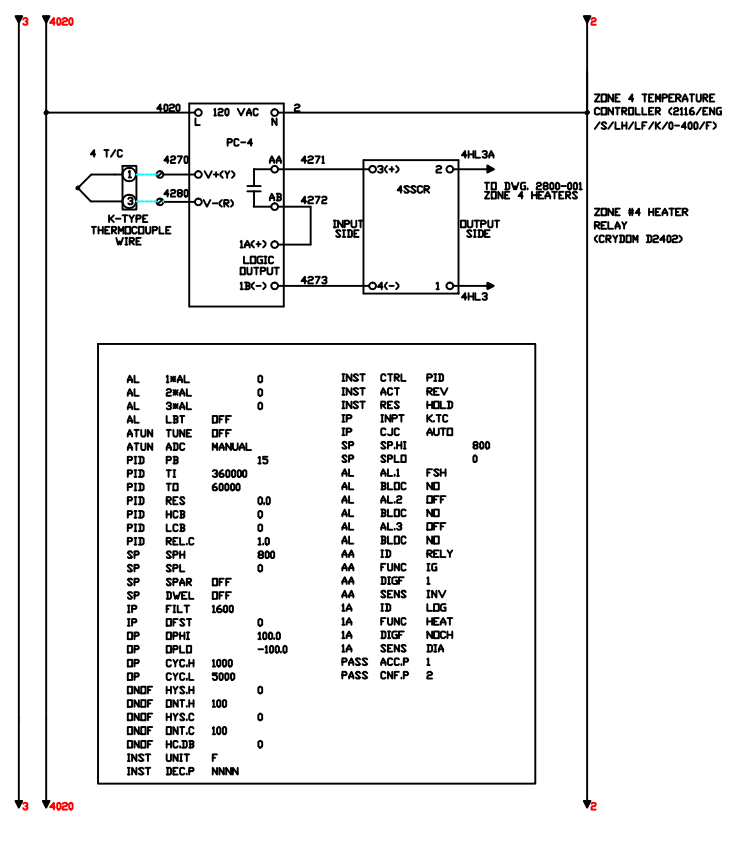
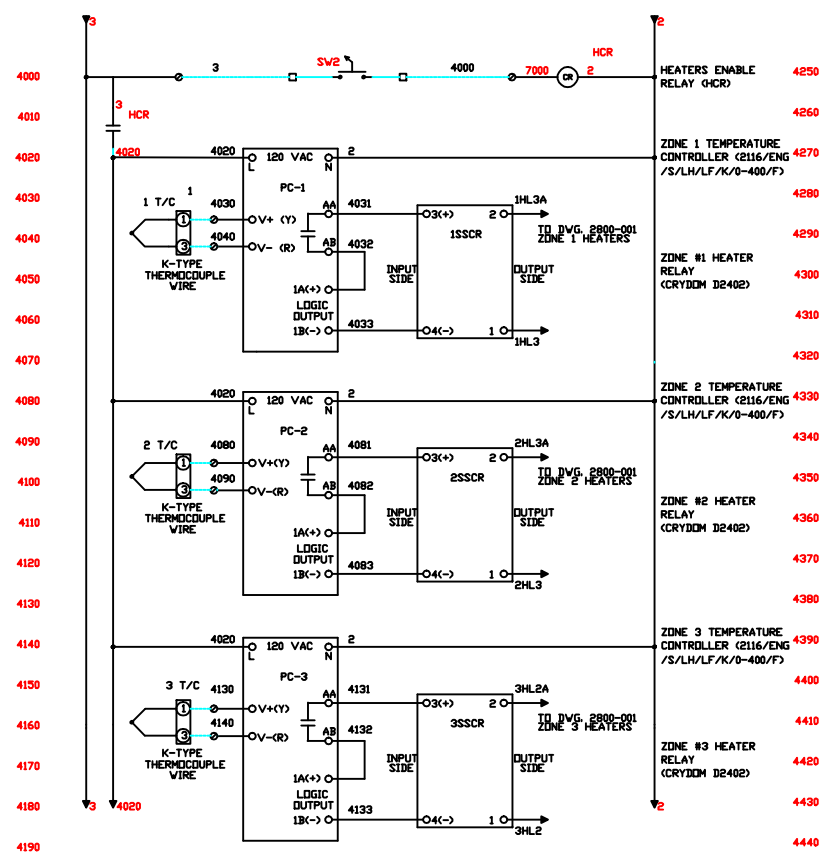


<b>TOLERANCES</b> Unless otherwise specified: Fraction $\pm .016$ Decimal $\pm .005$ Angle $\pm .1^\circ$		Zitropack, Ltd. TEL:630-766-1016 FAX:630-766-7211 E-MAIL: ZITROPACK@AOL.COM	
<b>AIR HOSE PNEUMATIC CONNECTION</b>			
SIZE	NAME	DWG NO.	REV
B	R.O.	Z-6000-2010	A
GENERAL MILLS		SHEET	1 OF 1









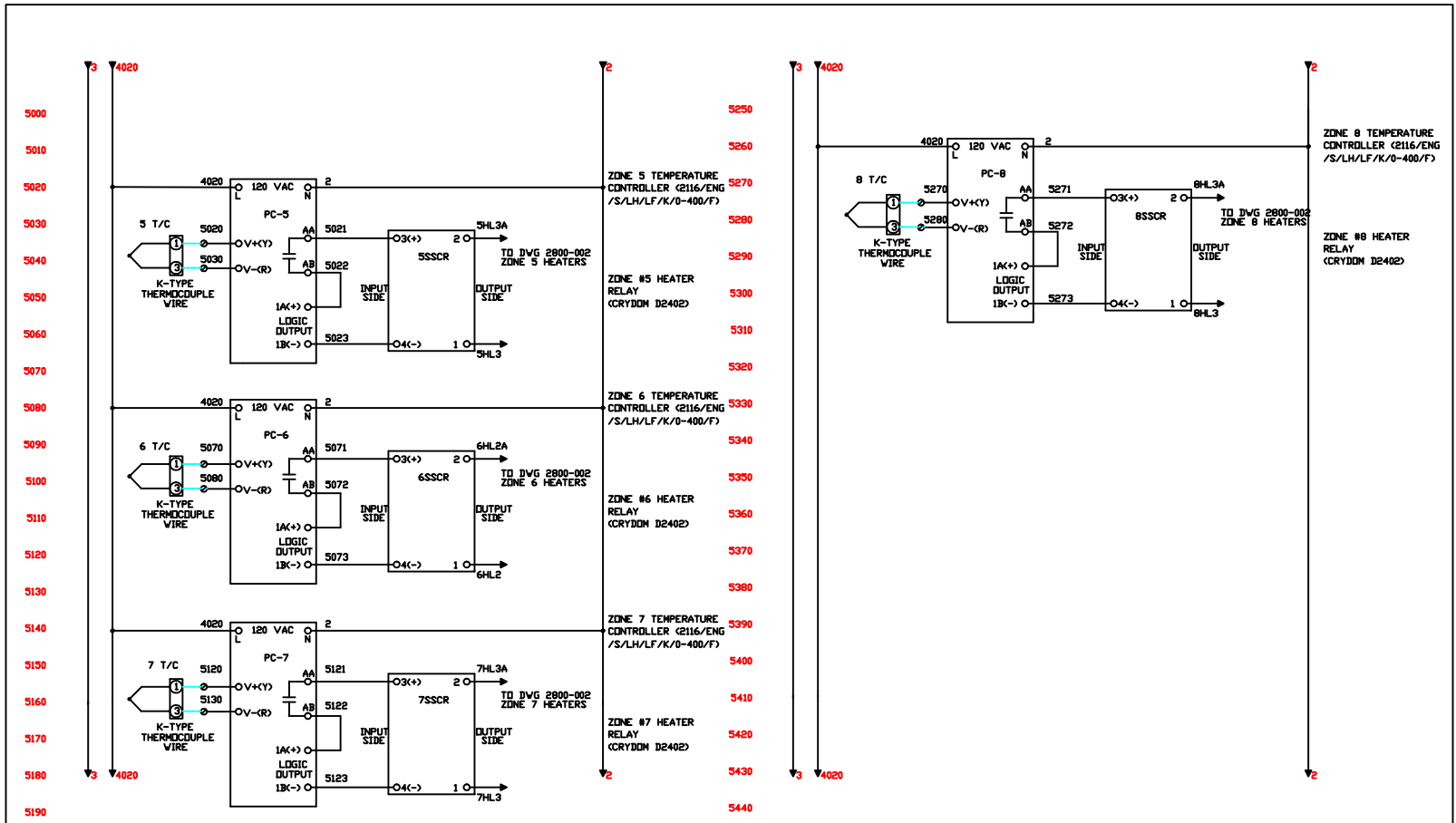
**NEW AGE**  
ELECTRICAL CONTROL, INC.

2800 N. 10TH STREET  
SUITE 100  
TULSA, OK 74104

TEMPERATURE CONTROL WIRING FOR  
22770PK GENERAL RELAY/PLC/RTU

NO	DATE	BY	REV	DATE	BY	REV
REV	DESCRIPTION	DATE	BY	REV	DATE	BY
REV	REVISION					

2800-004



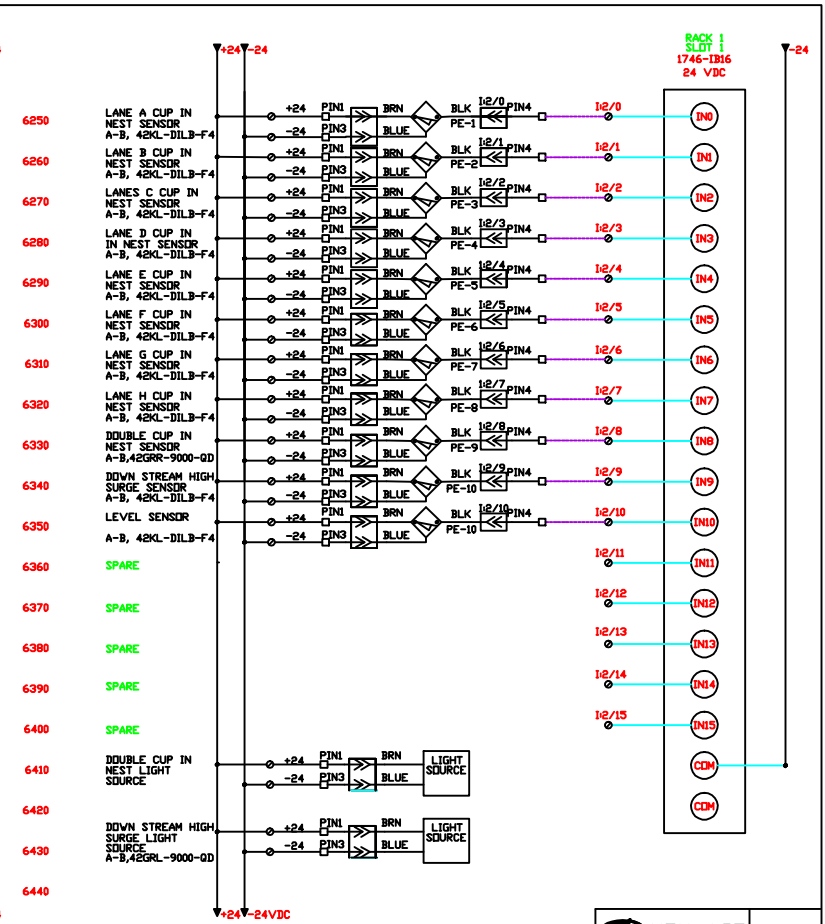
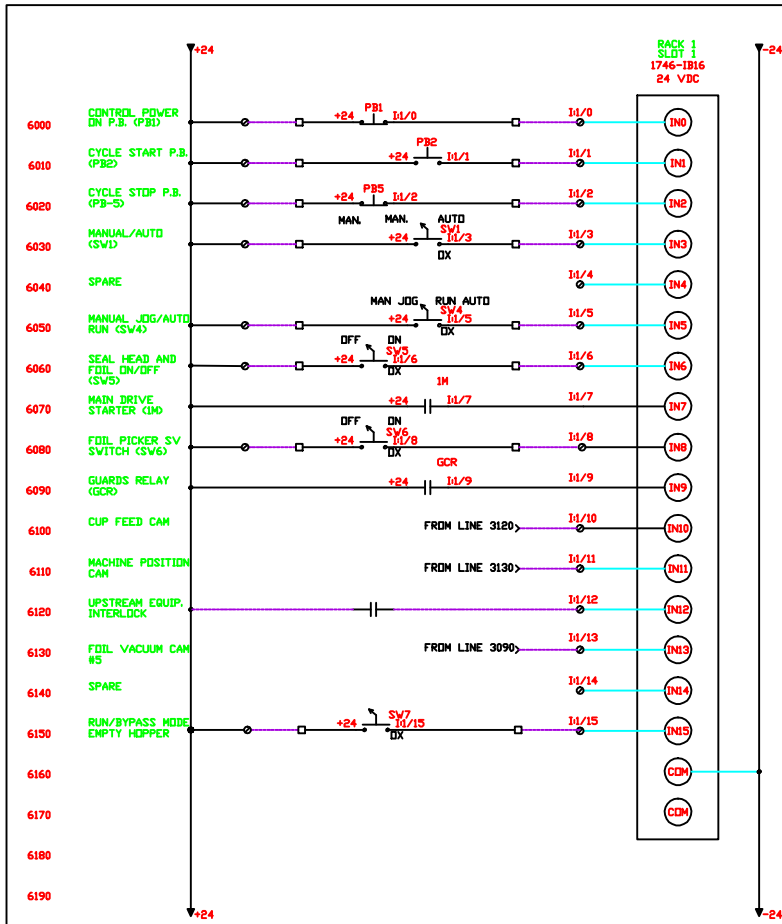
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**NEW AGE**  
ELECTRICAL CONTROLS, INC.  
2800 N. 100TH STREET  
SUITE 100  
ZENON, MN 55089  
763-946-5000

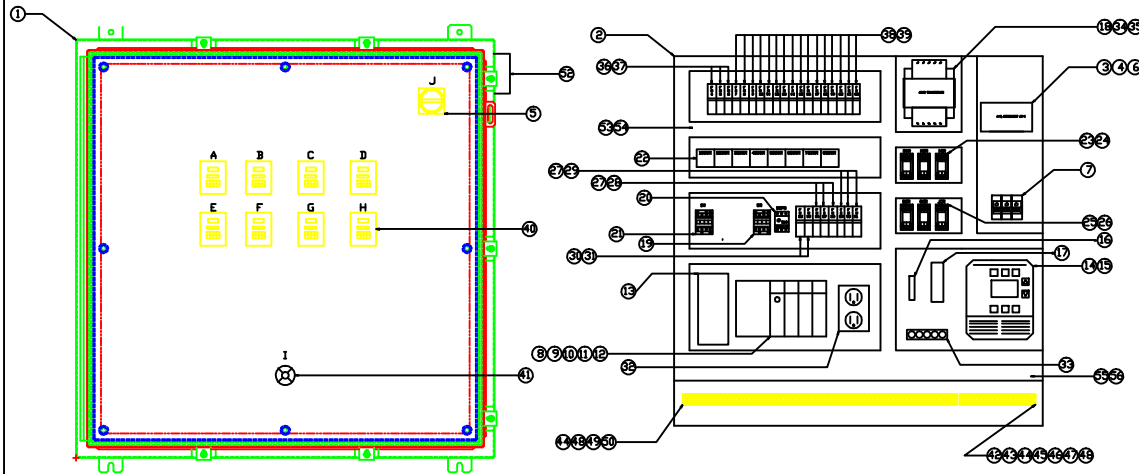
TEMPERATURE CONTROL WIRING FOR  
Z1170PK (GENERAL BILLS/10/11/17)

REV:	AD BUILDS	7/1/99	DATE:	4/20/99	DATE:	4/20/99	ISSUE:	2800-005
NO:	DESCRIPTION	DATE	BY:	NO:	DATE	BY:	ISSUE:	
	REVISION			NONE		5 OF 5		



REV	DESCRIPTION	DATE	BY	CHKD	DATE	BY	NO	REV	DATE	BY
1	AS BUILT	7/1/99								
2		4/26/99								
3										
REVISION										

2800-006



- 13111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132
- 13211 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342
- 13511 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372
- 13811 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402
- 14111 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432
- 14411 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462
- 14711 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492
- 14911 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512
- 15111 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532
- 15311 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552

LEGEND SCHEDULE	
A	ZONE A TEMP. CNT
B	ZONE B TEMP. CNT
C	ZONE C TEMP. CNT
D	ZONE D TEMP. CNT
E	ZONE E TEMP. CNT
F	ZONE F TEMP. CNT
G	ZONE G TEMP. CNT
H	ZONE H TEMP. CNT
I	EMERGENCY STOP
J	460V 3PH 60HZ

BILL OF MATERIALS	
ITEM QTY	DESCRIPTION
1	HOFFMAN, A-360612SSLP, ENCLOSURE STAINLESS MENA 4X, 36"x36"x12"
2	HOFFMAN, A-36P36, SUB PANEL 36" x 36"
3	ALLEN BRADLEY, 194R-4LOGP3, DISCONNECT FUSED 60 AMPS.
4	ALLEN BRADLEY #194R-R2 SHAFT
5	ALLEN BRADLEY #194R-HS4 HANDLE MENA 4X
6	BUSSMAN, LPJ-405P, FUSES TIME DELAY RATED 40 AMPS.
7	ALLEN-BRADLEY, 1492-SMG141, POWER DISTRIBUTION BLOCK 1 TO 4
8	ALLEN-BRADLEY, 1747-1542, SLC 5/D4 PROCESSOR.
9	ALLEN-BRADLEY, 1746-M, 4 SLOT SLC CHASSIS.
10	ALLEN-BRADLEY, 1746-P1, SLC POWER SUPPLY.
11	ALLEN-BRADLEY, 1746-1B16, 10-30 VDC SINK INPUT CARD, 16 POINTS.
12	ALLEN-BRADLEY, 1746-DB16, 110 VAC OUTPUT CARD, 16 POINT.
13	STLA, SLS-04-006, 24 VDC TOWER SUPPLY AT 3.6 AMPS.
14	ALLEN-BRADLEY, 1305-3A09A, INVERTER RATED FOR 5 H.P. AT 460 VAC.
15	ALLEN-BRADLEY, 1201-HMP, PROGRAMMER KEYPAD FOR ABOVE INVERTER.
16	SUPERIOR, A201053G10, CAPACITOR 6.5 UF AT 330 VOLTS.
17	SUPERIOR, A201052G13, POWER RESISTOR 150 OHMS AND 30 WATTS.
18	ACME, TAC-91215-F3, 300 VA TRANS. 480/460/440 PRIM 120/115/110 SEC
19	ALLEN-BRADLEY, 100-C0910, MCS CONTACTOR RATED 5 H.P. AT 460.
20	ALLEN-BRADLEY, 140-M-0160, MAIN MOTOR PROTECTOR 1 TO 1.6 AMPS.
21	ALLEN-BRADLEY, 100-C2310, MCS CONTACTOR RATED 15 H.P. AT 460 V.
22	CRYDOM, 27F3B0, POWER RELAY 12 AMP AT 240VAC, DC CONTROL.
23	ALLEN-BRADLEY, 700-H432A1-1-4, RELAY WITH MAIN OPER. AND LIGHT.
24	ALLEN-BRADLEY, 700-H412S, 8 PIN TUBE BASED SOCKET.
25	ALLEN-BRADLEY, 700-H403A1-1-4, SIGNAL GRADE RELAY 3PDT.
26	ALLEN-BRADLEY, 700-H412S, SOCKET 11 PIN TUBULAR.
27	SQUARE D, 9080-GF6, FUSE BLOCK RATED 30 AMPS AT 600 VAC.
28	BUSSMAN, FMO-8, TIME DELAY FUSE 13/32" x 1-1/2" 500VAC, 8 AMPS.
29	BUSSMAN, FMO-15, TIME DELAY FUSE 13/32" x 1-1/2" 500VAC, 15 AMPS.
30	BUSSMAN, GNC10, TIME DELAY FUSE, .197" x .788" 10 AMPS @ 125V.
31	ALLEN-BRADLEY, 1492-WF34, FUSE BLOCK RATED 300V
32	OUTLET BOX
33	1/2" DIA. #6-32-12, GROUND BAR.
34	BUSSMAN, FMO-3, TIME DELAY FUSE, 500VAC 3 AMPS
35	BUSSMAN, FMO-R-6, CLASS CC TIME DELAY FUSE, 600V 6 AMPS.
36	BUSSMAN, TIME DELAY FUSE CLASS CC 600V 6 AMPS.
37	BUSSMAN, BC6033P, 3 POLE CLASS CC FUSE BLOCK 600V 30 AMPS.
38	BUSSMAN, LP02-1-1/2", TIME DELAY FUSE CLASS CC 600V 30 AMPS.
39	BUSSMAN, BC6031P, FUSE BLOCK CLASS CC 600V 30 AMPS 1 POLE.
40	EUROTHERM, 2711-ENG-LH-FH-K-32-800-F-XV, PROCESS CONTROLLER.
41	ALLEN-BRADLEY, 600H-FRXP16RA1, 2 POSITION ILLUMINATED E-STOP.
42	ALLEN-BRADLEY, 1492-WT33, 3 TIER TERMINAL BLOCKS.
43	ALLEN-BRADLEY, 1492-ERT33, 3 TIER TERMINAL BLOCK END BARRIER.
44	ALLEN-BRADLEY, 1492-EA3S, 35MM END BARRIER.
45	ALLEN-BRADLEY, 1492-SJ15-20-R, 20 POLE CONTINUOUS RED JUMPER.
46	ALLEN-BRADLEY, 1492-SJ15-20-B, 20 POLE CONTINUOUS JUMPER RED.
47	ALLEN-BRADLEY, 1492-SMG24, MARKING SYSTEM FOR THREE TIER TERMINAL.
48	ALLEN-BRADLEY, 1492-DR6, HIGH RISE 35MM CHANNEL.
49	ALLEN-BRADLEY, 1492-V4, 100 TERMINAL BLOCKS.
50	ALLEN-BRADLEY, 1492-SMG12, MARKING SYSTEM FOR 1492-V4 TERMINALS.
51	BUSSMAN, BC6031P, FUSE BLOCK CLASS CC 600V 30 AMPS 1 POLE.
52	FERRAL SIGNAL, 550-120-30, ALARM HORN.
53	LOT PANDUIT, E3 x 1/4", PANDUIT WIRING DUCT 3" TALL BY 1" WIDE.
54	LOT PANDUIT, C1W6, DUCT COVER 1" WIDE.
55	LOT PANDUIT, E3 x 3/8", WIRING DUCT 3" TALL BY 3" WIDE.
56	LOT PANDUIT, C3W6, DUCT COVER 3" WIDE.



5405 WEST 100TH PLACE  
 SUITE 111  
 OVERLAND PARK, MO 66210  
 (816) 875-9999

CONTROL PANEL LAYOUT FOR  
 ZITROPHACK GENERAL BUILD

DATE: 4/15/99  
 DRAWN: [blank]  
 CHECKED: [blank]  
 REVISION: 5 OF 9

NO.	DESCRIPTION	DATE BY	REV.	DATE	BY	REVISION

2800-009