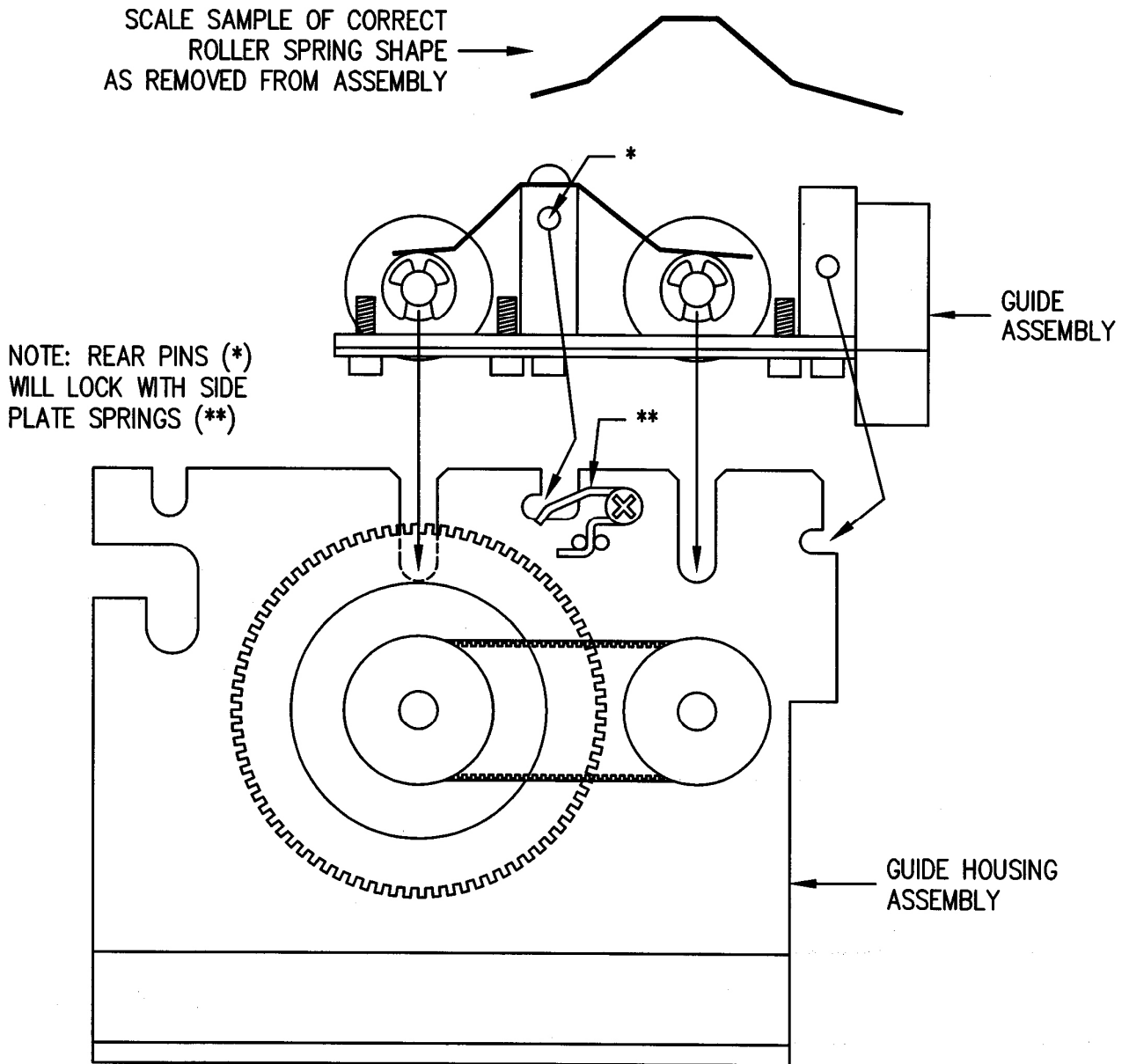


Mechanical Drawings



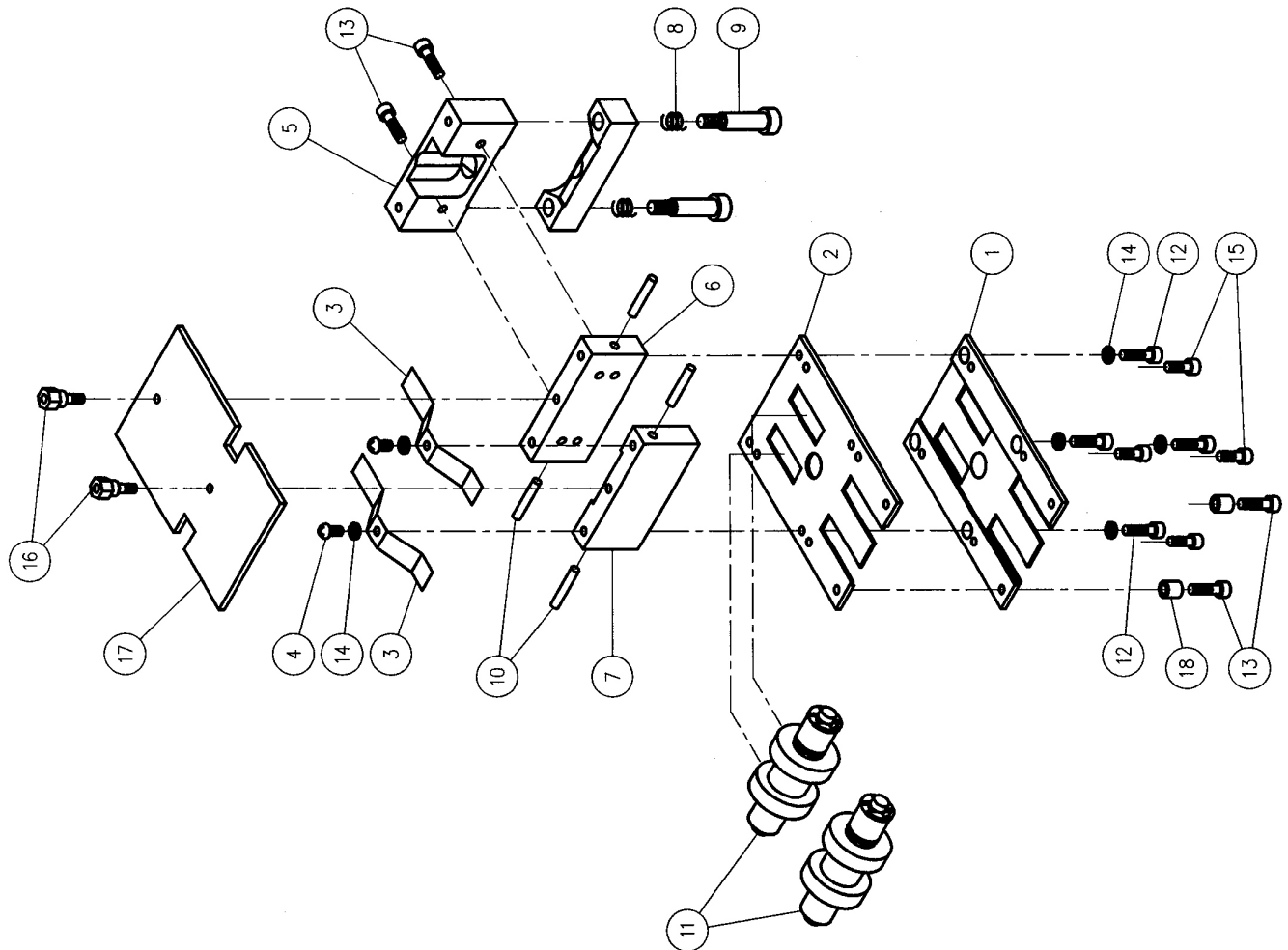
CAUTION!

WHEN INSERTING GUIDE ASSEMBLY INTO GUIDE HOUSING ASSEMBLY, YOU MUST ALIGN THE TOP ROLLER SHAFTS IN THE APPROPRIATE SLOTS BEFORE PUSHING THE GUIDE ASSEMBLY DOWN AND FORWARD.

IMPROPER PROCEDURE MAY CAUSE DAMAGE TO THE ROLLER SPRINGS.
REFERENCE THE MAINTENANCE TIPS AND TROUBLESHOOTING GUIDE.

ASSY # GUID-TT2000/TT/		
ITEM	QTY	DL PART # DESCRIPTION
1	1	GUID-TT01// TICKET GUIDE (BOTTOM)
2	1	GUID-TT02// TICKET GUIDE (TOP)
3	2	SPRG-ROLLER/TE/TT ROLLER SPRING REV 4
4	2	RM-#6-32/TE/3/16 #6-32 X 3/16
5	1	RM-TICTEX/TE/ENTR TT1000 ENTRANCE BLOCK
6	1	BLOK-TT/FRONT CENTER SPACE BLOCK
7	1	BLOK-TTCEML CENTER SPACER BLOCK W/ MILL
8	2	RM-SPRGEN ENTRANCE BLOCK PIANO SPRING
9	2	RM-#10-24 X 3/4 ENTRANCE BLOCK SHOULDER SCREW
10	4	RM-SPRPIN/ 3/4 SPRING PIN 5/32 X 3/4 LG
11	2	ROLR-ASSM/TE/IDLR IDLER ROLLER ASSY
12	4	RM-#6-32S/TT/3/8 #6-32 TAMPERPROOF SCREW
13	4	RM-#6-32C/TE/1/2 #6-32 X 1/2 SHCS
14	6	RM-#6LOCW/AD/ #6 LOCKWASHER
15	4	RM-#6-32/TE/3/8 #6-32 X 3/8 SHCS
16	2	SCRW-TT1000/TT/BARC MALE/FEM HEX THRD STANDOFF
17	1	BAR CODE READ PCB CHECK REV
18	2	SPAC-STOPPR/TT/GUIDE STOPPER FOR GUIDE ASSY

NOTE: ITEMS 16 (THUMB SCREWS) AND 17 (PRINTED CIRCUIT BOARD) ARE NOT INCLUDED IN ASSEMBLY.



REV	DATE	DESCRIPTION
B	10/17/02	REVISED & REDRAWN
DATE	2/2/00	
CHECK	DATE	
APPR	DATE	
COMPUTER GRAPHICS MANUAL CHANGES RESTRICTED		



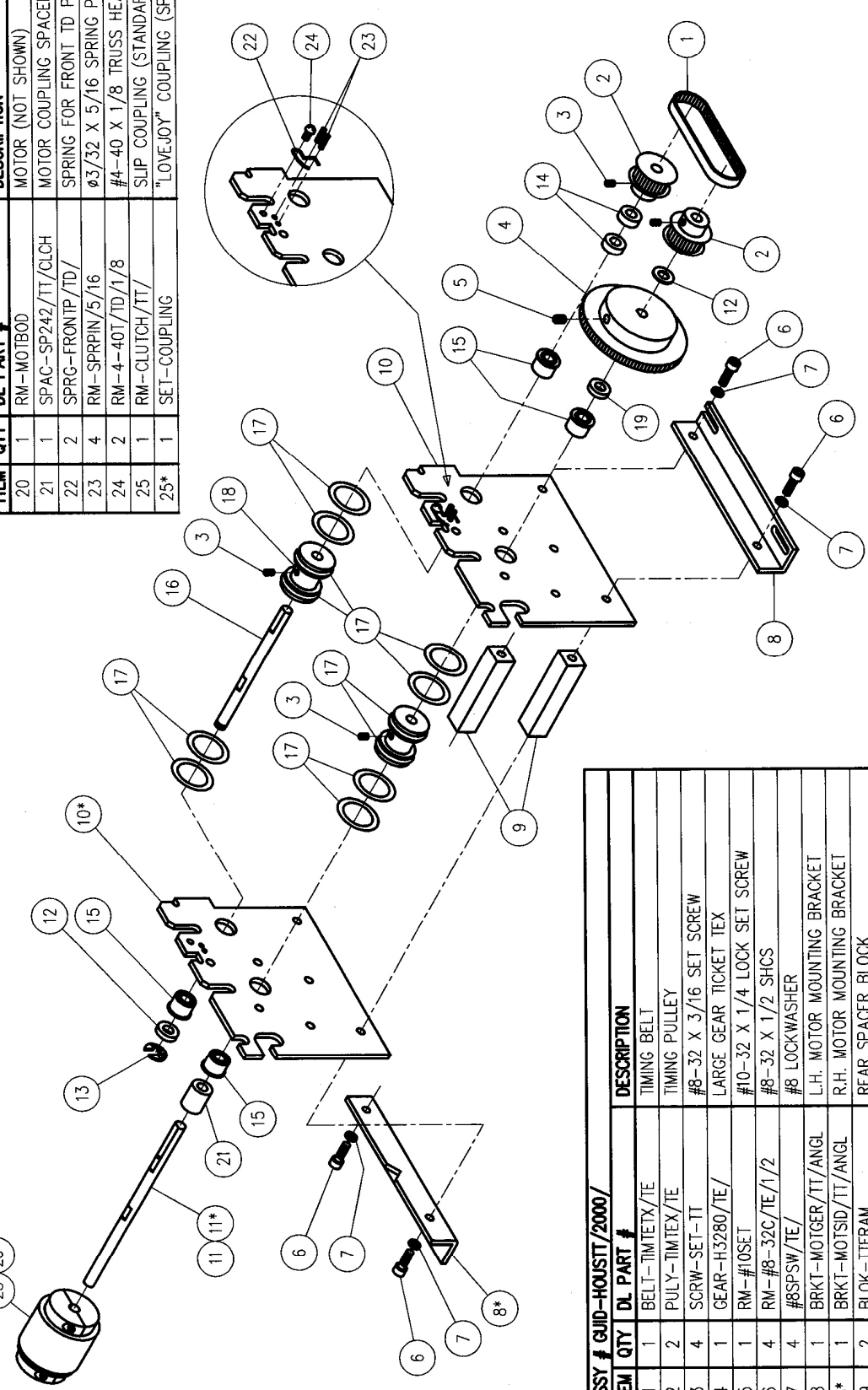
Deltronic Labs, Inc.
120 Liberty Lane, Chalfont, PA

TICKET EATER GUIDE ASSEMBLY
EXPLODED VIEW

GUID-TT2000/TT/

B

ITEM	QTY	DL PART #	DESCRIPTION
20	1	RM-MOTBOD	MOTOR (NOT SHOWN)
21	1	SPAC-SP242/TT/CLCH	MOTOR COUPLING SPACER
22	2	SPRG-FRONTIP/TD/	SPRING FOR FRONT TD PANEL
23	4	RM-SPRPIN/5/16	ø3/32 X 5/16 SPRING PIN
24	2	RM-4-40T/TD/1/8	#4-40 X 1/8 TRUSS HEAD SCREW
25	1	RM-CLUTCH/TT/	SLIP COUPLING (STANDARD)
25*	1	SET-COUPLING	"LOVEJOY" COUPLING (SPECIAL ORDER)



ITEM	QTY	DL PART #	DESCRIPTION
1	1	BELT-TM1TEX/TE	TIMING BELT
2	1	PULY-TM1TEX/TE	TIMING PULLEY
3	4	SCRW-SET-TT	#8-32 X 3/16 SET SCREW
4	1	GEAR-H3280/TE/	LARGE GEAR TICKET TEX
5	1	RM-#10SET	#10-32 X 1/4 LOCK SET SCREW
6	4	RM-#8-32C/TE/1/2	#8-32 X 1/2 SHCS
7	4	#8SPSW/TE/	#8 LOCKWASHER
8	1	BRKT-MOTGER/TT/ANGL	L.H. MOTOR MOUNTING BRACKET
8*	1	BRKT-MOTSID/TT/ANGL	R.H. MOTOR MOUNTING BRACKET
9	2	BLOK-TIFRAM	REAR SPACER BLOCK
10	1	RM-SDPTIL	SIDE PLATE LEFT SIDE
10*	1	RM-SDPTIR	SIDE PLATE RIGHT SIDE
11	1	SHIFT-CLUTCH/	MOTOR DRIVESHAFT (SLIP COUPLING)
11*	1	RMSHFTDR/TT/	MOTOR DRIVESHAFT (LOVEJOY COUPLING)
12	2	SPAC-032/TT/WSHR	SPACER WASHER
13	1	RING-E25RET/TT/	RETAINING RING
14	2	PULY-SP212/TE/NYLN	NYLON SPACER
15	4	PSB-250	BRONZE PRESS-ALIGN BEARING
16	1	SHIFT-TIDRV/TE/	TIC TEX DRIVE ROLLER SHAFT
17	12	RING-TIC1EX/TE/	URETHANE O-RING
18	2	ROLR-DRIVE/TE/	T/E DRIVE ROLLER W/O PARTS
19	1	SPAC-093/TT/WSHR	SPACER WASHER

REV	DATE	DESCRIPTION
B	10/17/02	REVISED & REDRAWN
DRAWN	DATE	
CHECK	DATE	
APPR	DATE	
COMPUTER GRAPHICS MANUAL CHANGES RESTRICTED		

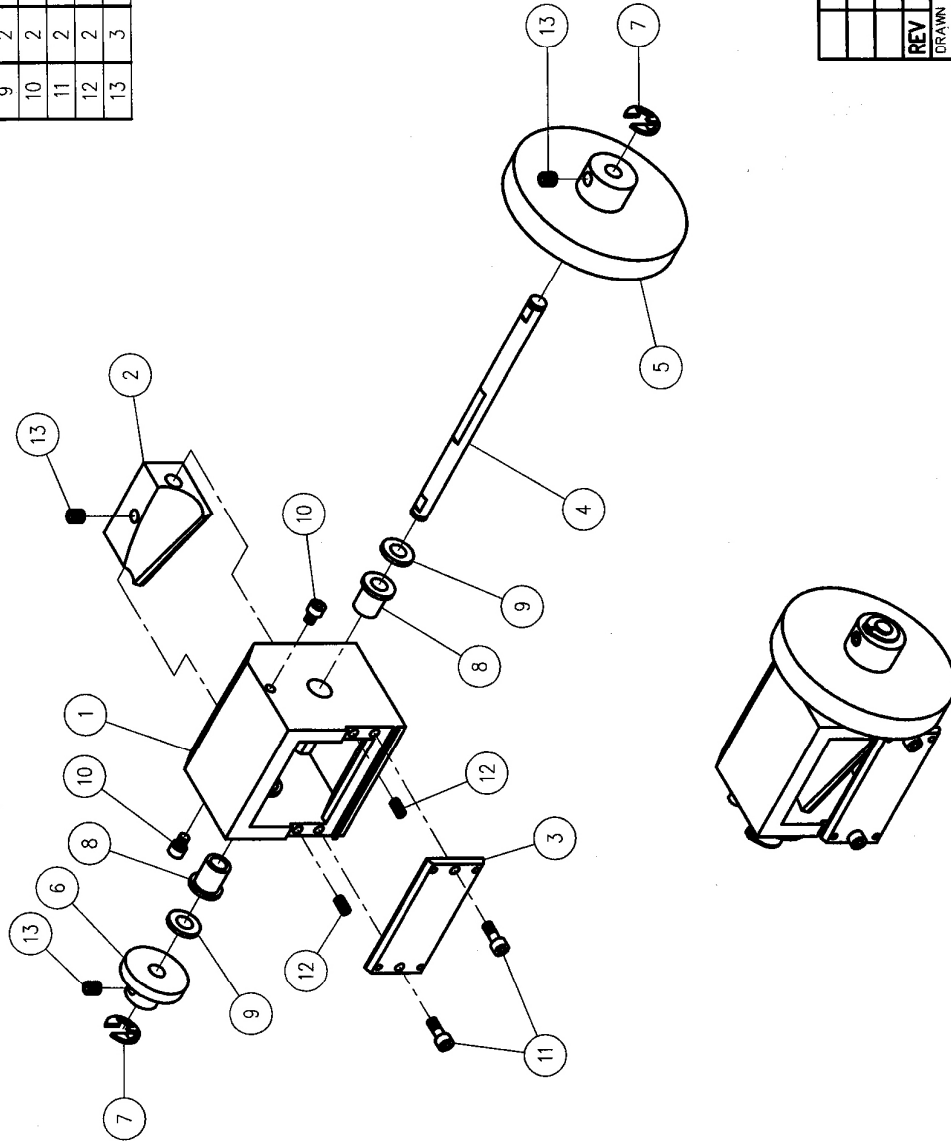
Deltronic Labs, Inc.
120 Liberty Lane, Chalfont, PA

TICKET EATER GUIDE HOUSING ASSEMBLY
EXPLODED VIEW

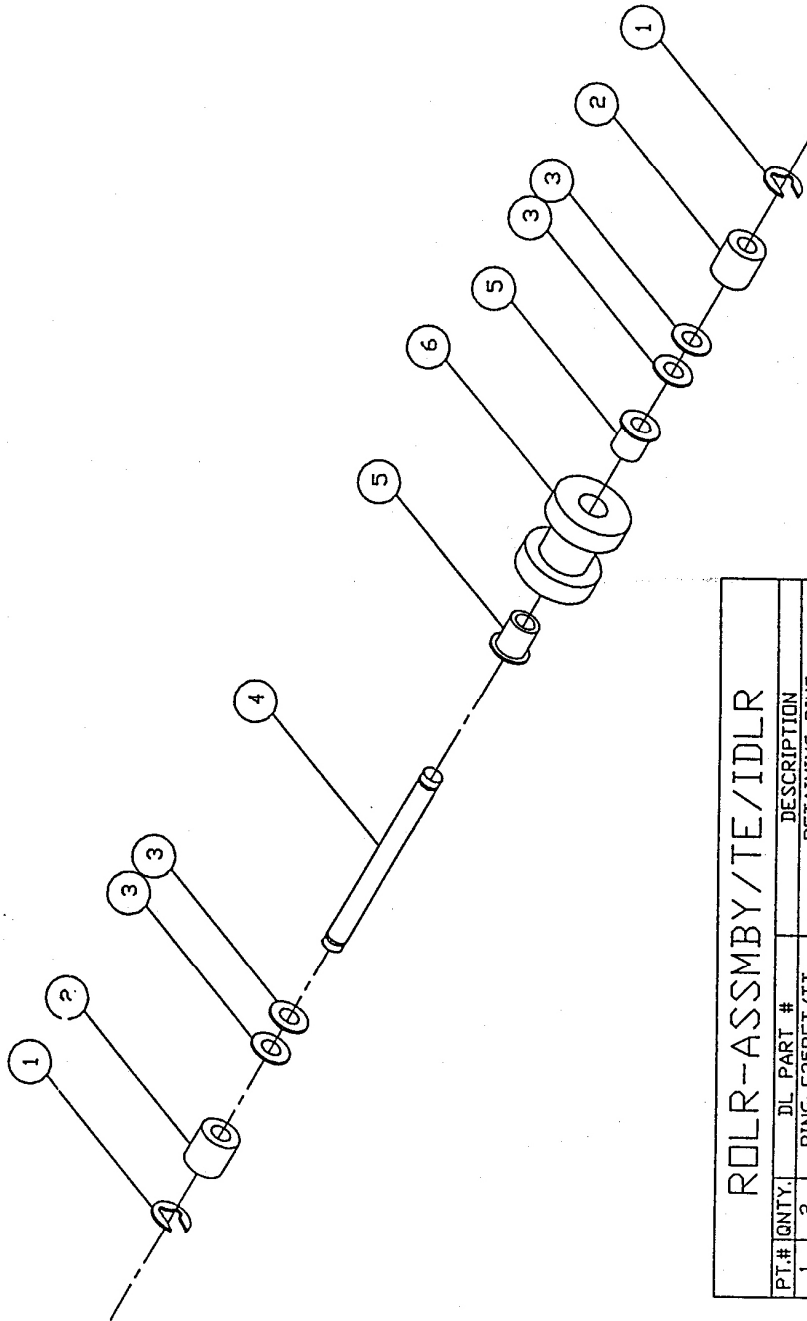
GUID-HOUSTT/2000/ B

ASSY # CUTR-TT2000//

ITEM	QTY	DL PART #	DESCRIPTION
1	1	RM-HOUSING/	HOUSING
2	1	RM-CUTBLD/TE	ROTATING CUTTER
3	1	RM-BLDSTN//	STATIONARY BLADE
4	1	SHFT-TT2CUT//	SHAFT
5	1	CUTR-WHEEL//	FLYWHEEL
6	1	GEAR-H3232/TE/	GEAR
7	2	RING-E29RET/TT//	RETAINING RING
8	2	BRNG-FF312	FLANGED BUSHING
9	2	BRNG-TT504	THRUST WASHER
10	2	RM-#6-32C//3/16	#6-32 X 3/16 SHCS
11	2	RM-#6-32C/E/3/8	#6-32 X 3/8 SHCS
12	2	RM-#6SET//1/4	#6-32 X 1/4 SET SCREW
13	3	RM-#10SET//	#10-32 X 3/16 SET SCREW



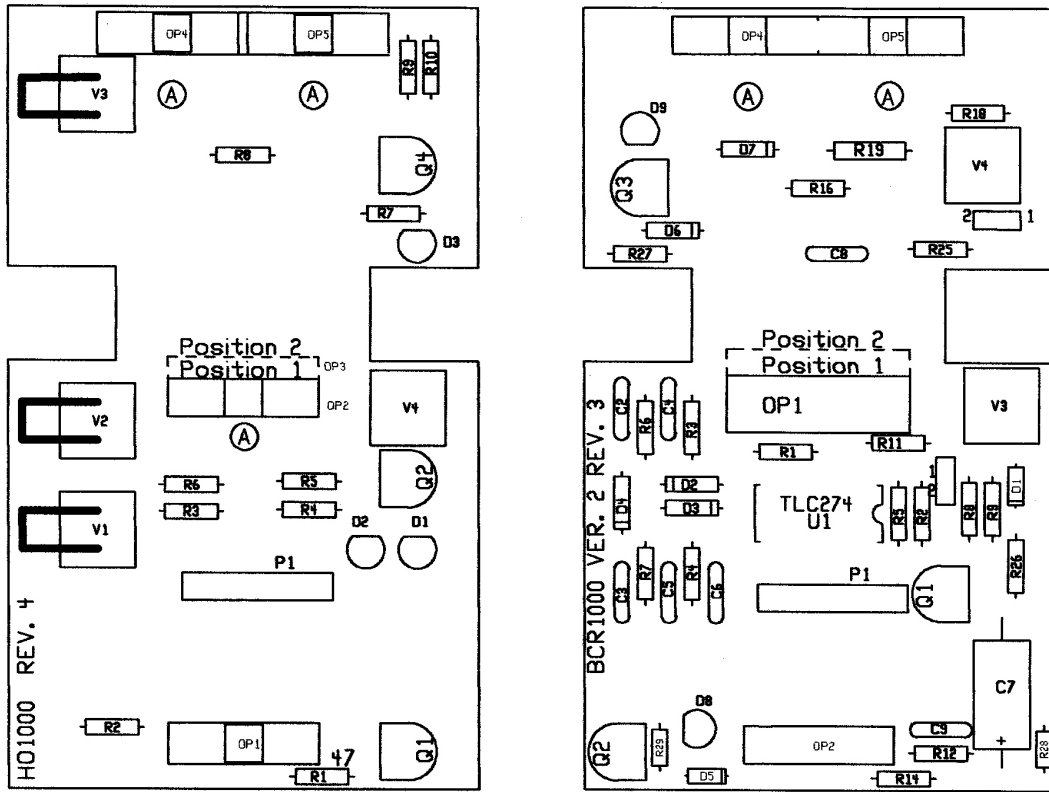
REV	DATE	DESCRIPTION
DRAWN	DATE	
10/17/02		
CHECK	DATE	
APPR	DATE	
COMPUTER GRAPHICS MANUAL CHANGES RESTRICTED		
 Deltronic Labs, Inc. 120 Liberty Lane, Chalfont, PA		TICKET EATER CUTTER ASSEMBLY EXPLODED VIEW
CUTR-TT2000//		A



ROLLER-ASSMBY/TE/IDLR			
PT.#	QNTY.	DL PART #	DESCRIPTION
1	2	RING-E2SR2T/TT	RETAINING RING
2	2	SPAC-232 IDLR	SPACER 232 IDLER ROLLER
3	4	SPAC-032/TT/WSHR	SPACER WASHER
4	1	SHFT-IDLR/TE/	TE IDLER ROLLER SHAFT
5	2	BRNG-F312	FLANGED BRONZE BEARING
6	1	RM-RLRIDL/TE/	IDLER ROLLER

PG. <20>	ROLLER ASSM. EXPLODED VIEW	
DRAWN BY	DANIEL P CARLIN	
DATE	2/2/00	
REVISIONS:		

Sensor Boards



NOTE: For HO-1000 Rev.4 OP2 = Position 1, OP3 = Position 2
 For BCR-1000 Rev.3 OP1, Use Position 1 or 2
 For Ticket guide assemblies with **OVAL** cutouts use Position 1 or 2.
 For Ticket guide assemblies with **ROUND** cutouts use: Position 1 **ONLY**.
 (Middle Sensors Only)

IMPORTANT: For Sensor Replacement:

Scanner PCB's BCR-1000 Rev. 2 & 3 and HO-1000 Rev. 4, have sensor "L" bracket mounting holes marked "A" (Marked on drawing only)
Use only when replacing middle or rear sensors.
 Other sensors use PCB mounted "studs" to brace sensors.

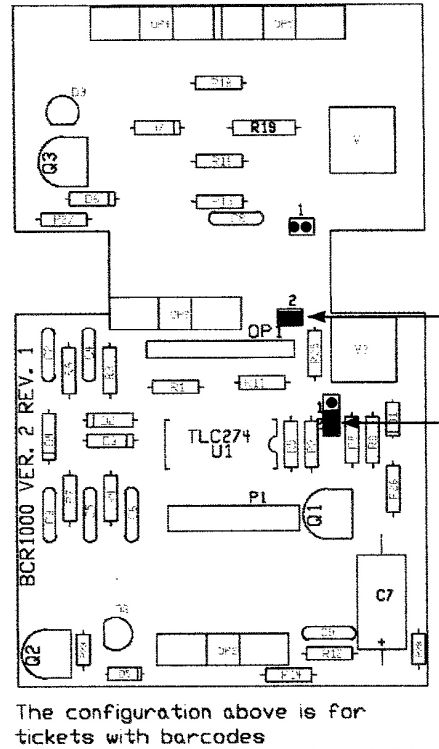
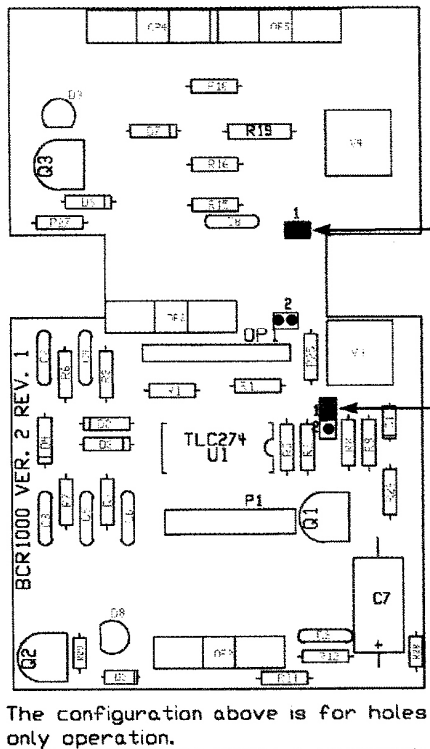
When replacing sensors, note Rev.# on PCB. If mounting holes do not exist, remove brackets before mounting. **(Insert sensors to same depth and direction as all others).**

SENSOR PLACEMENT: Each scanner PCB has specific sensors in certain locations.

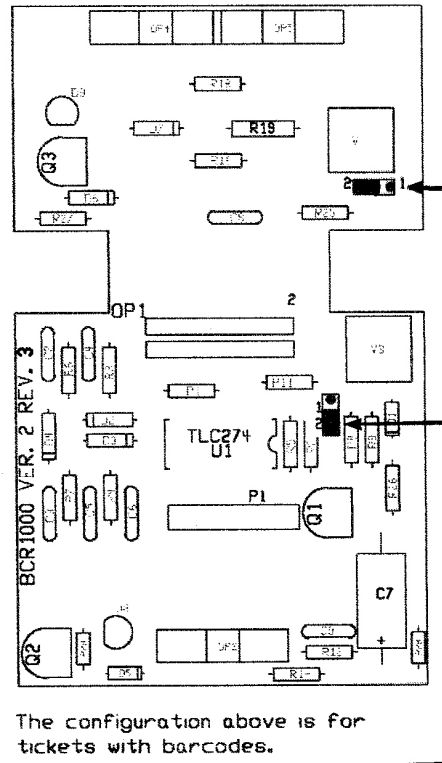
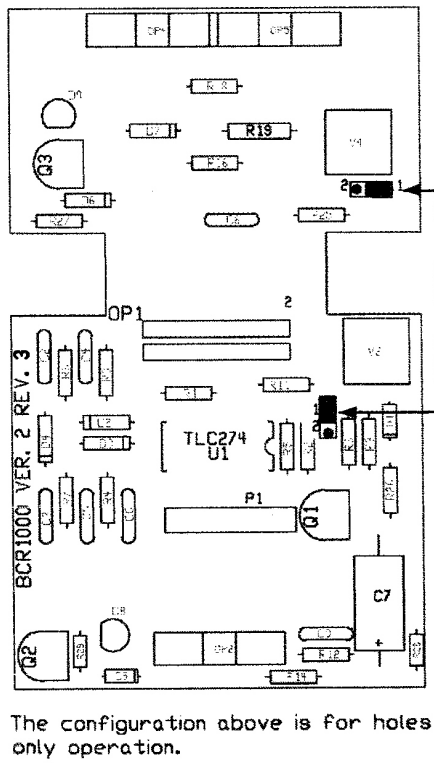
For HO-1000- All Revs. USE:
 VTR16DI- ("V" shaped Lens) OP4 and OP5 **ONLY** (can be used in OP1)
 QRB1114- (Flat Lens) OP1 and OP2-3 **ONLY**

For BCR-1000- All Revs. USE:
 VTR16DI- ("V" shaped Lens) OP2, OP4 and OP5
 QRB1114- (Flat Lens) Can be used in OP2 **ONLY**

NOTE: For BCR-1000 PCB, All Revs. OP1 is OTC680 **ONLY**

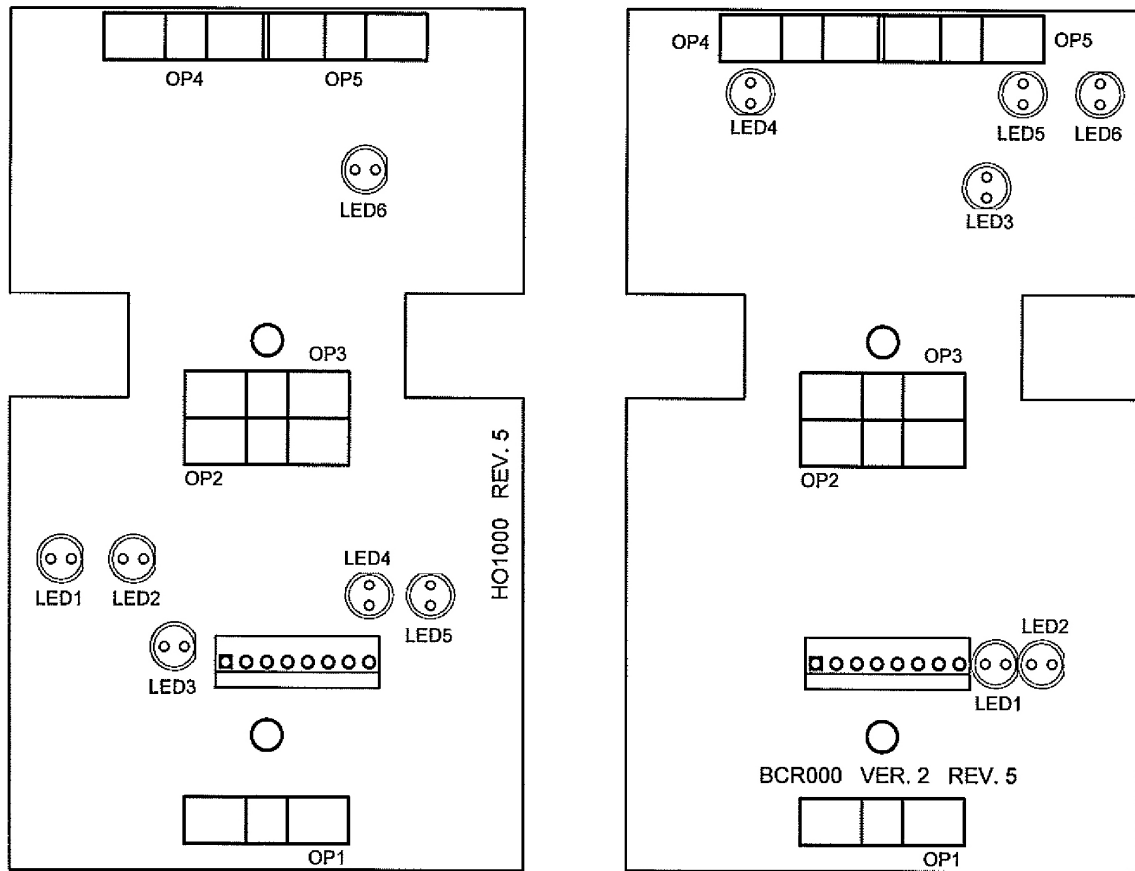


BCR1000 Rev. 1



BCR1000 Rev. 3-4

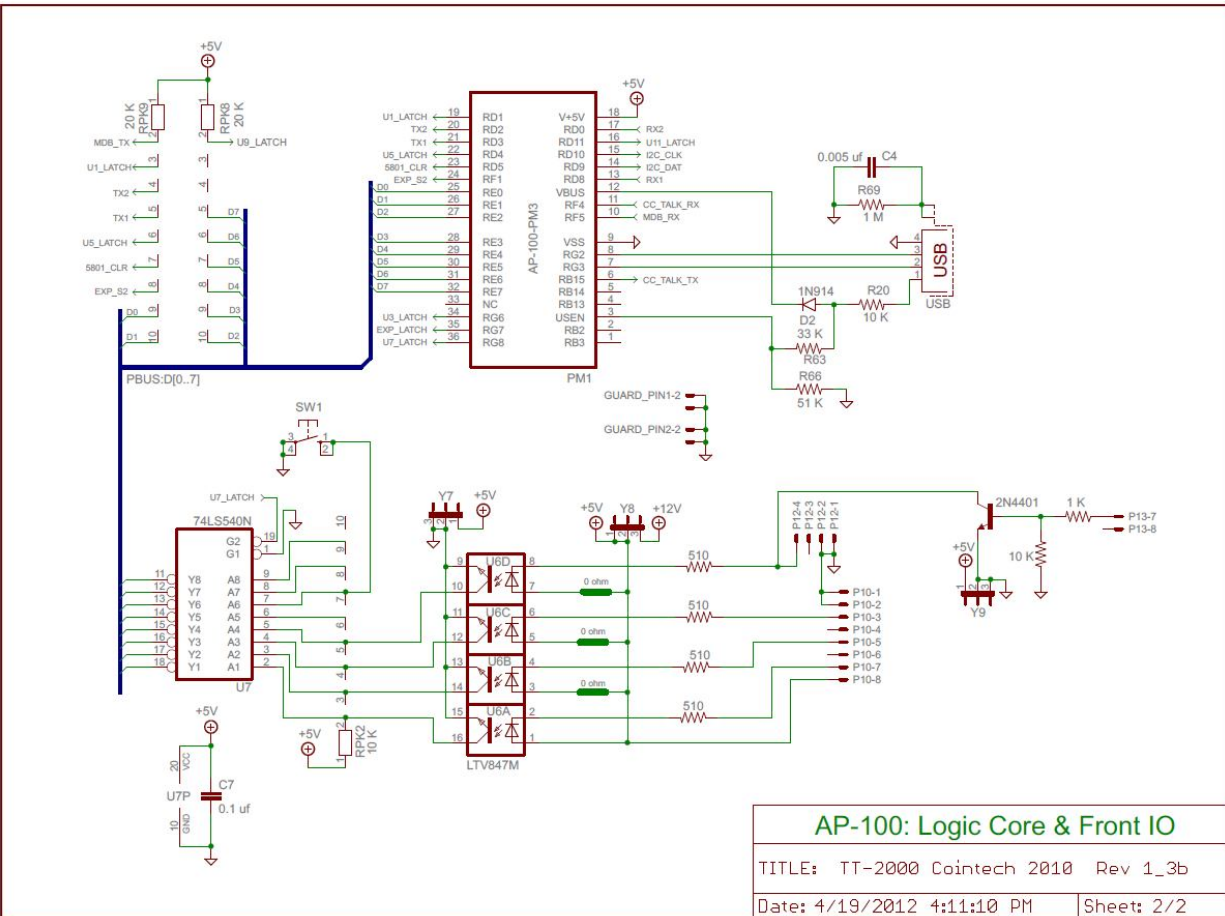
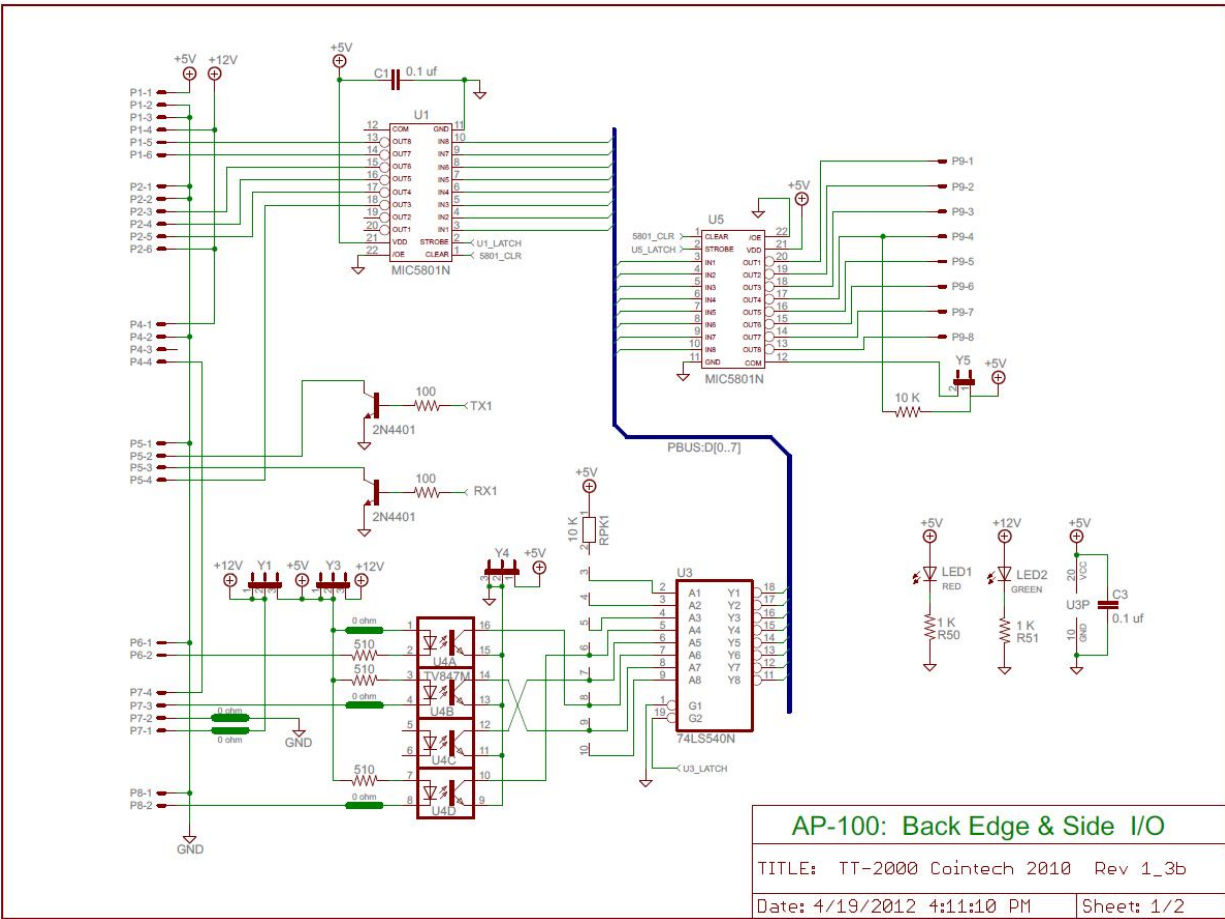
These drawings show configurations for BCR1000 sensor board revisions that can be configured to read barcoded or holes-only tickets. The top drawings are for revision V2R1; the bottom are for revisions V2R3 & V2R4. The drawings on the right show the jumper positions for barcoded tickets. Those on the left are for holes-only tickets. Holes-only operation is intended for emergency situations only. Note that the logic board options must also be changed to match the jumpers. Version 5 BCR1000 boards can not be configured as holes-only boards.

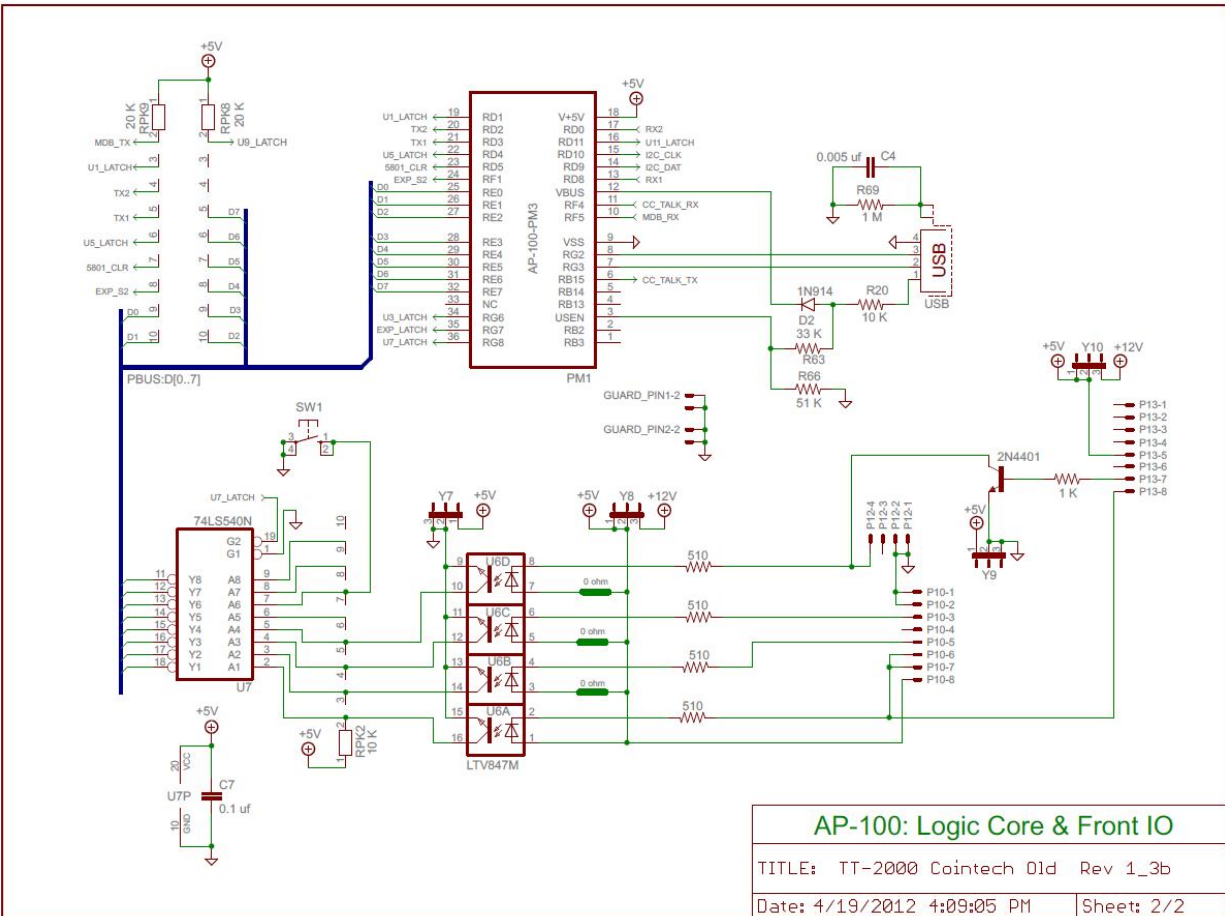
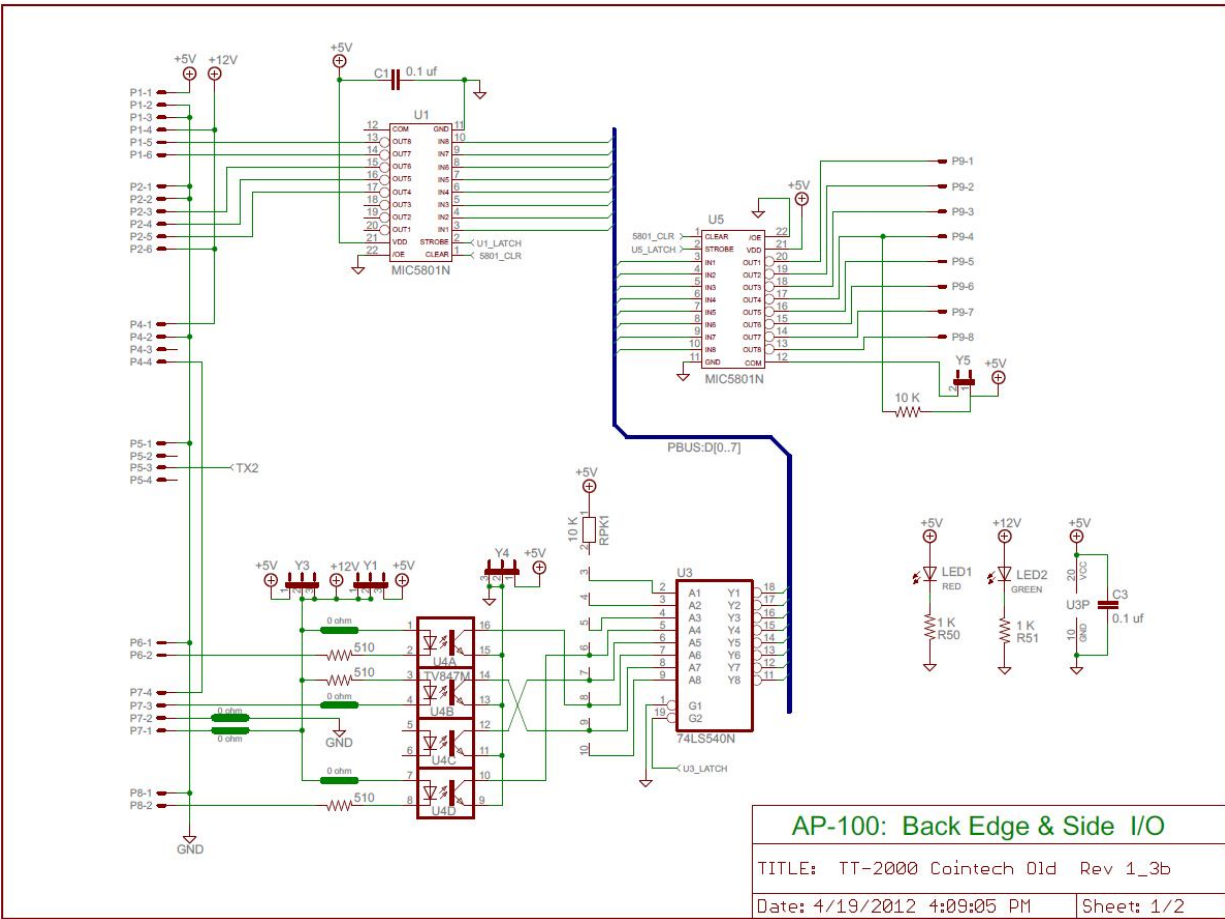


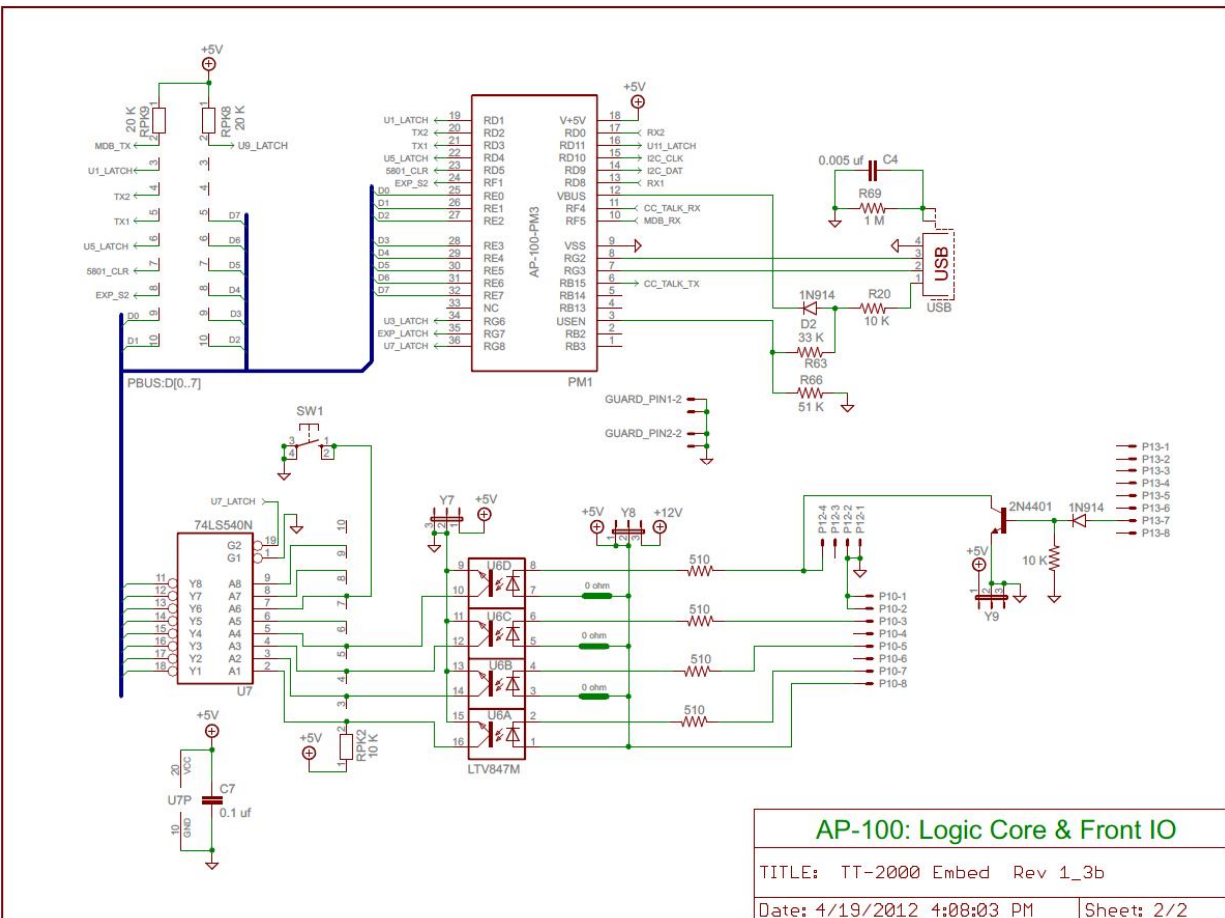
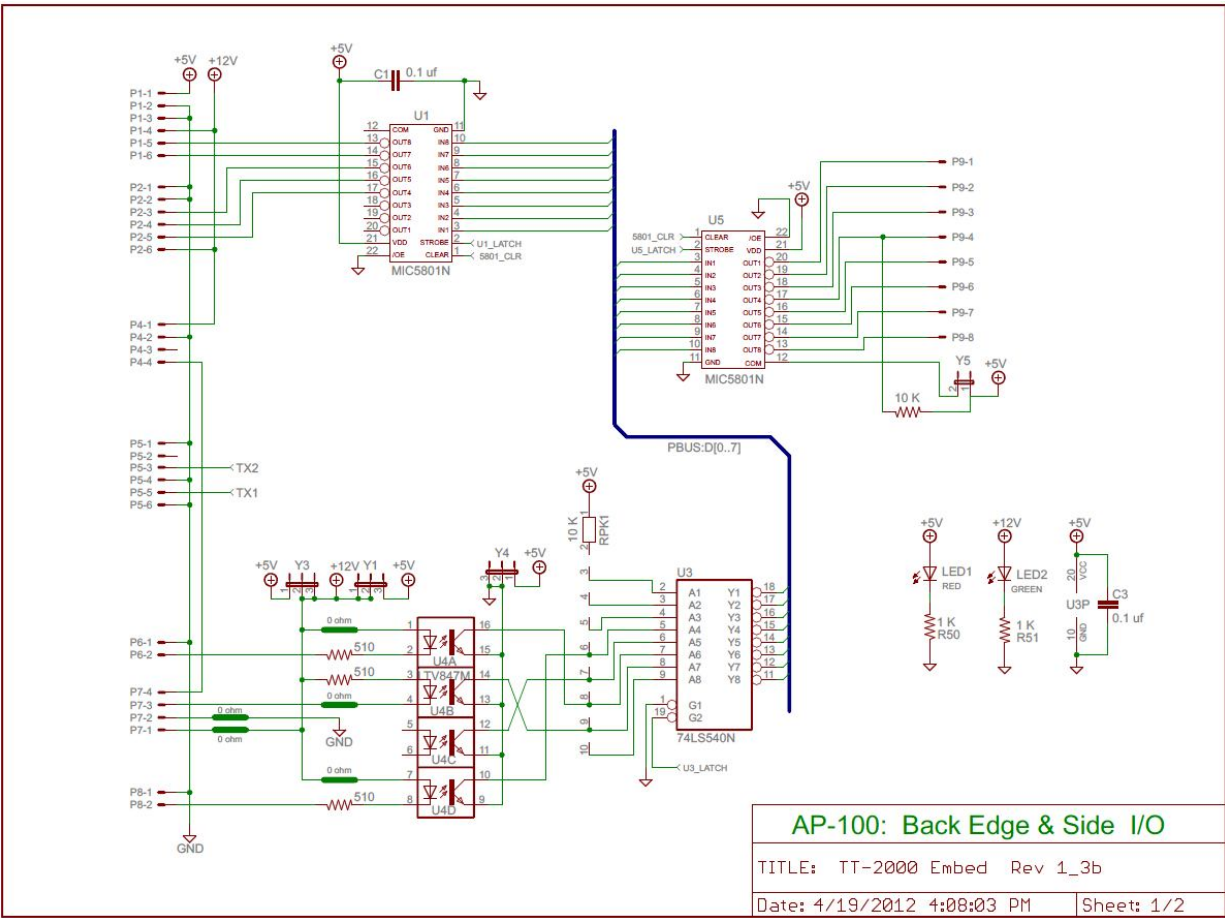
The Rev. 5 sensor boards have 6 LED's and 5 sensors. There is an LED for each sensor, and an LED to indicate a cheating or an error condition. The front sensor detects the ticket to turn the motor on. The middle sensors work together to count the tickets and detect cheating. The rear sensors provide additional cheat detection.

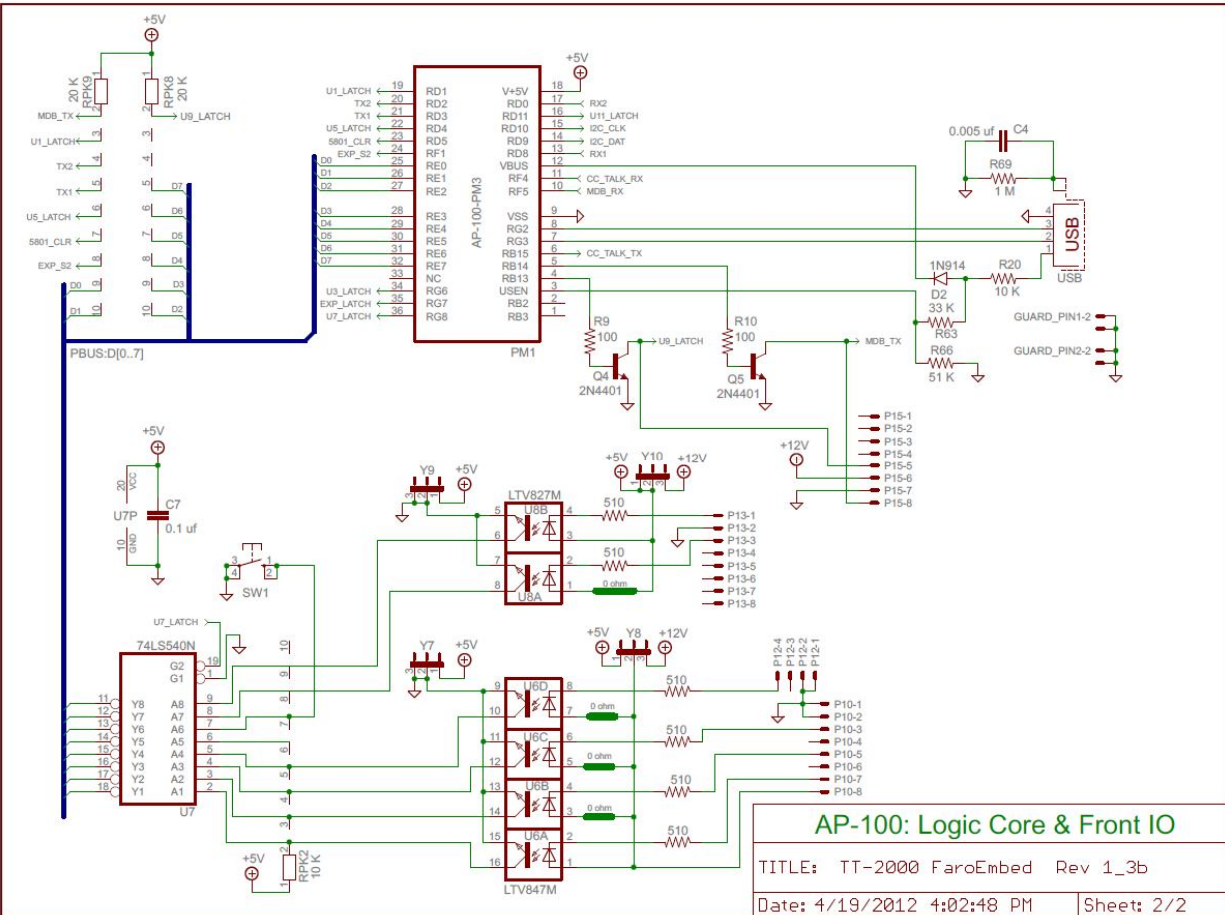
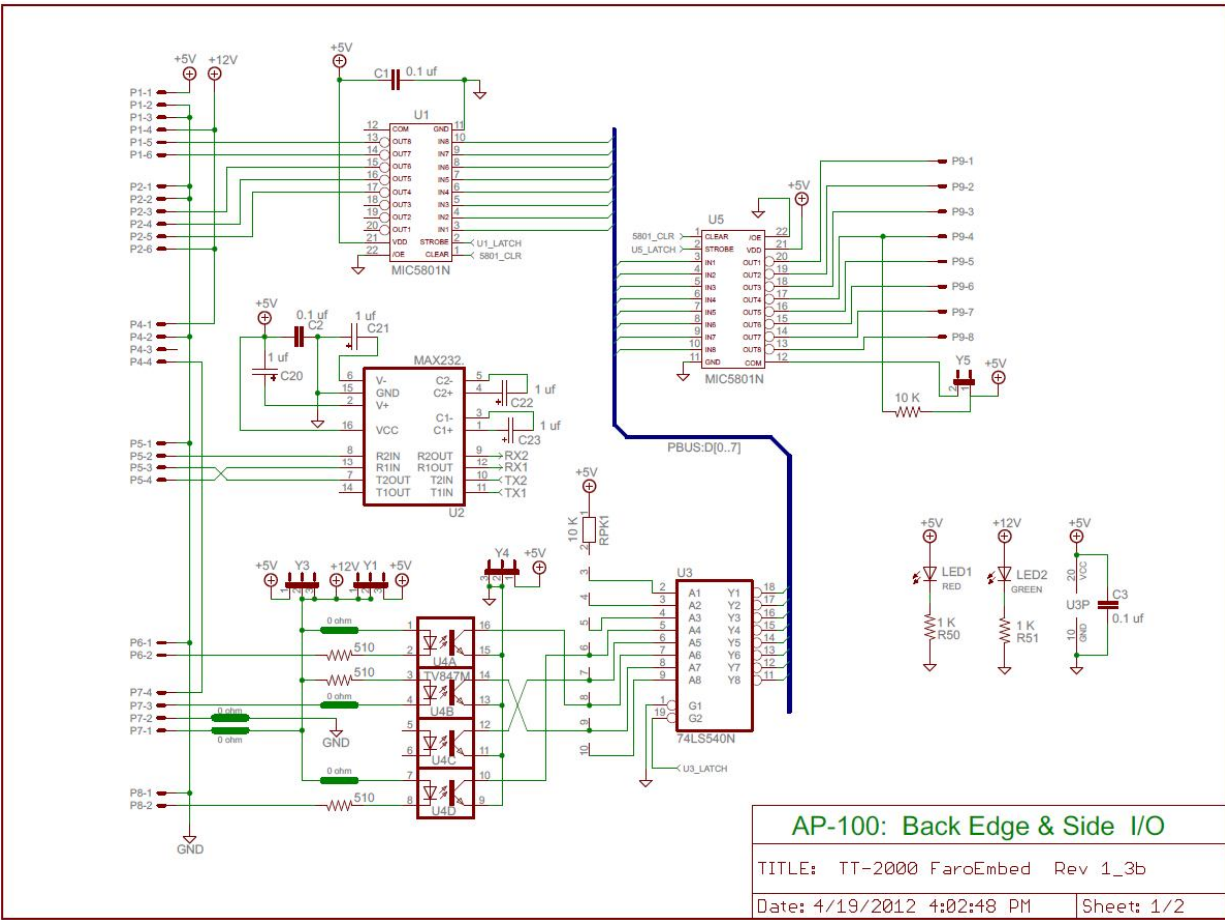
HO-1000		
SENSOR	LED	NOTES
Front	4	On when sees ticket
Middle Front	1	On when sees ticket
Middle Rear	6	On when sees ticket
Rear Left	3	On when sees ticket
Rear Right	2	On when sees ticket
	5	Flashes on for error or cheating

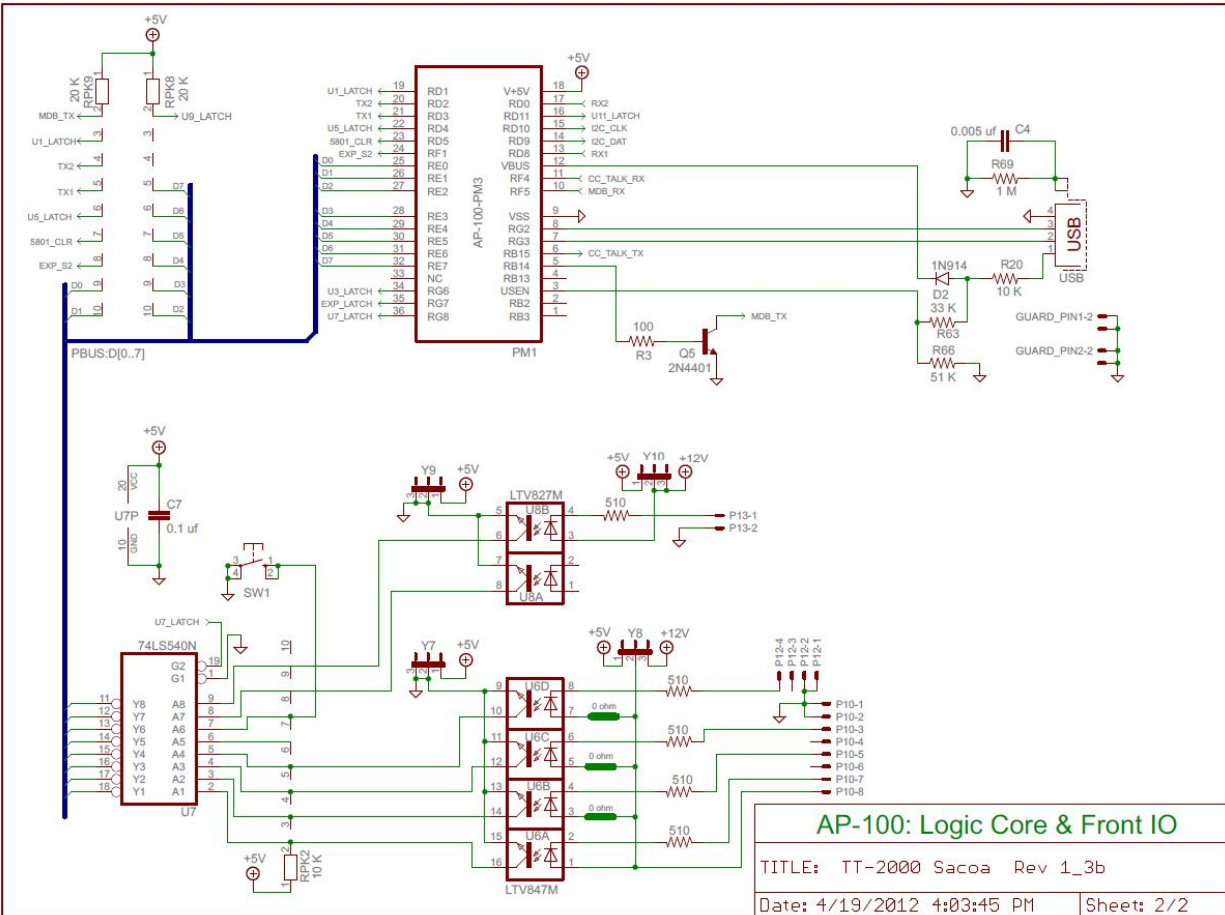
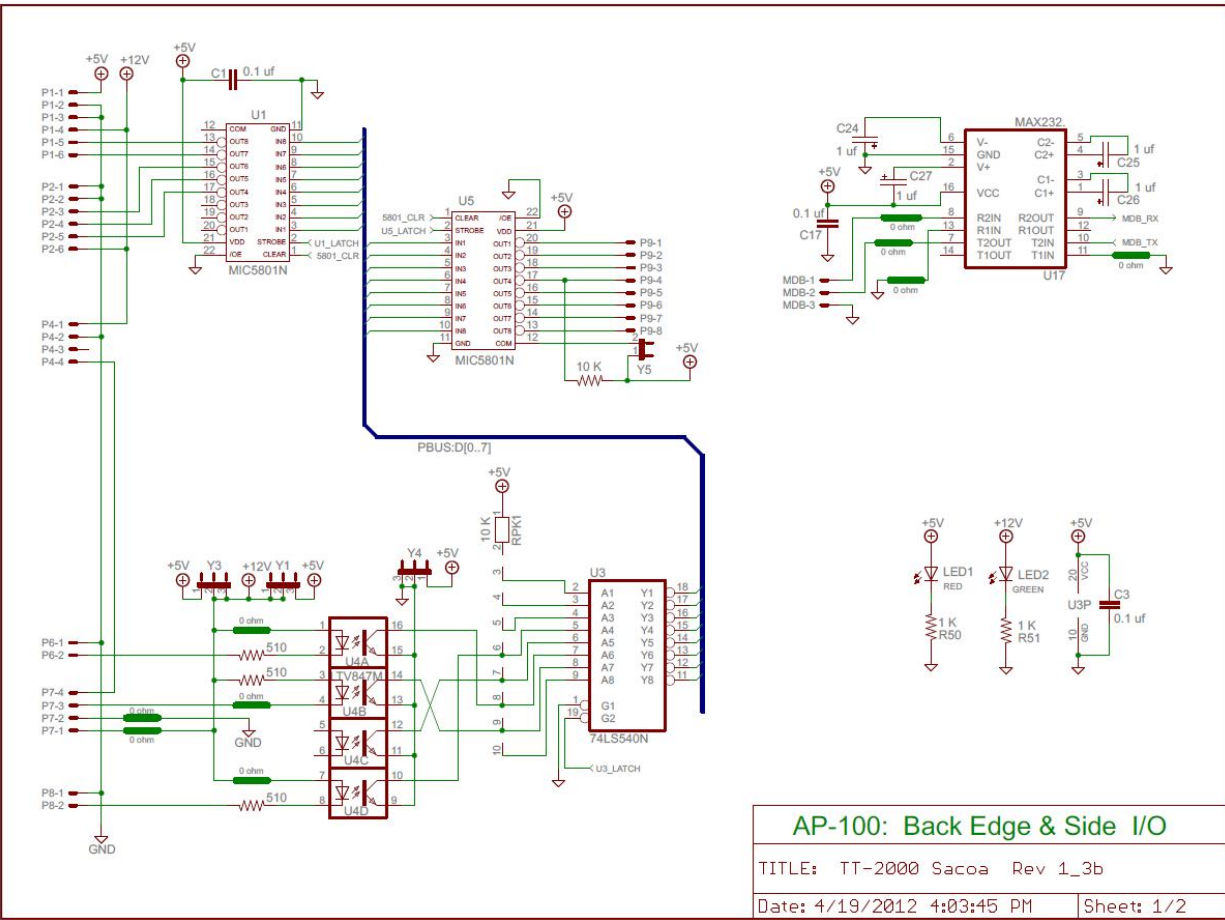
BCR-1000		
SENSOR	LED	NOTES
Front	2	On when sees ticket
Middle Front	3	On and off as it sees ticket and barcode
Middle Rear	4	On when sees ticket
Rear Left	5	On when sees ticket
Rear Right	6	On when sees ticket
	1	Flashes on for error or cheating



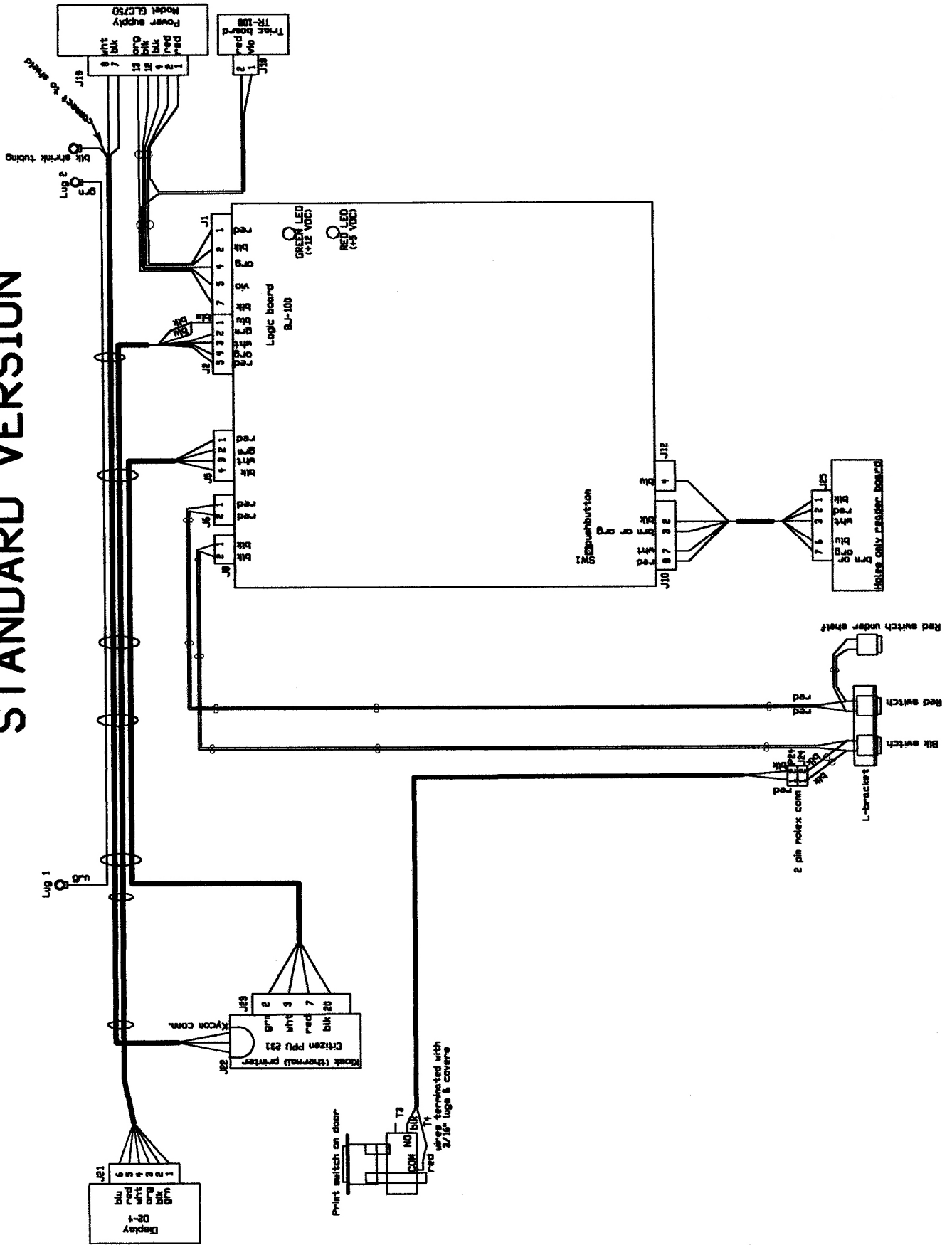






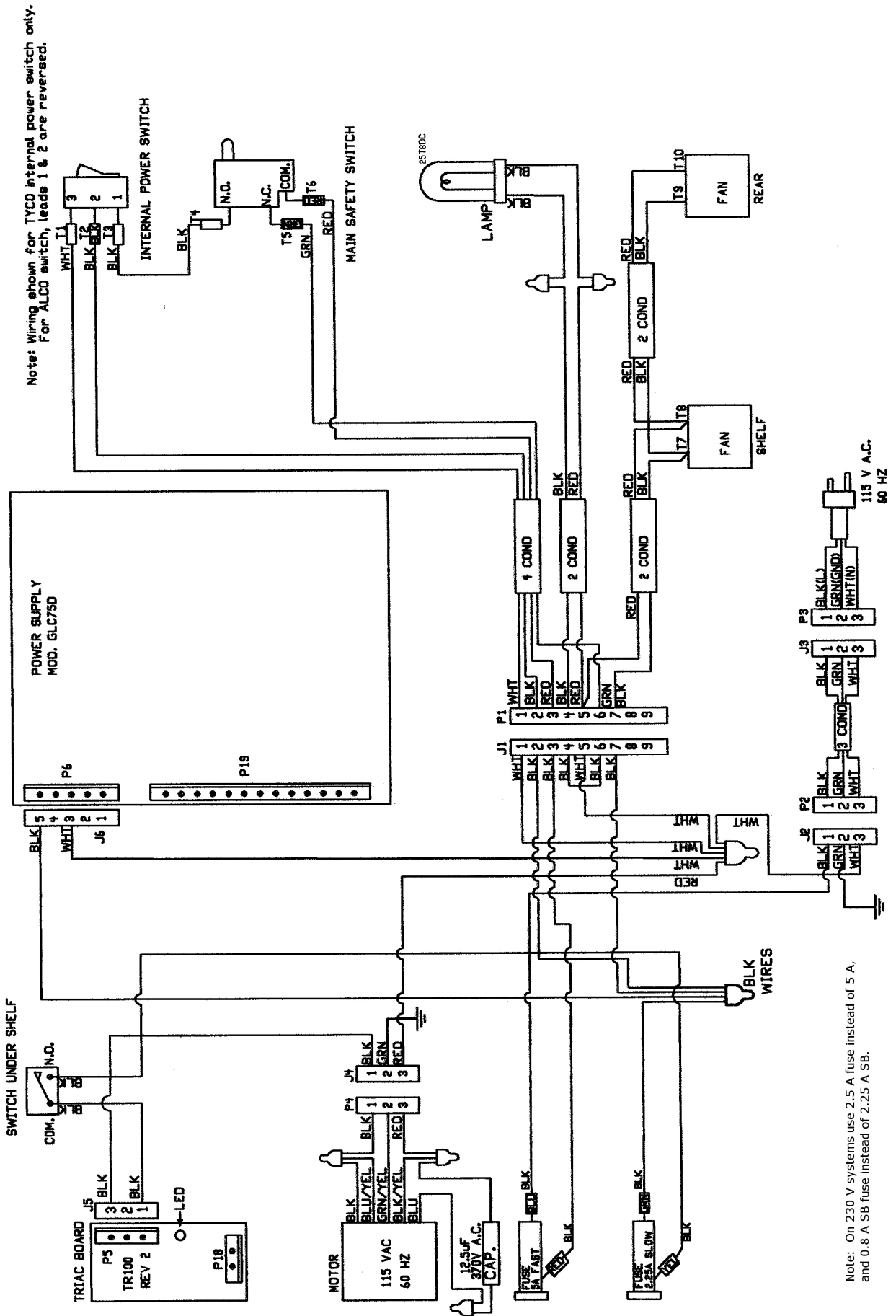


TTEX DC HARNESS STANDARD VERSION



TTEX AC HARNESS STANDARD & DKS VERSION

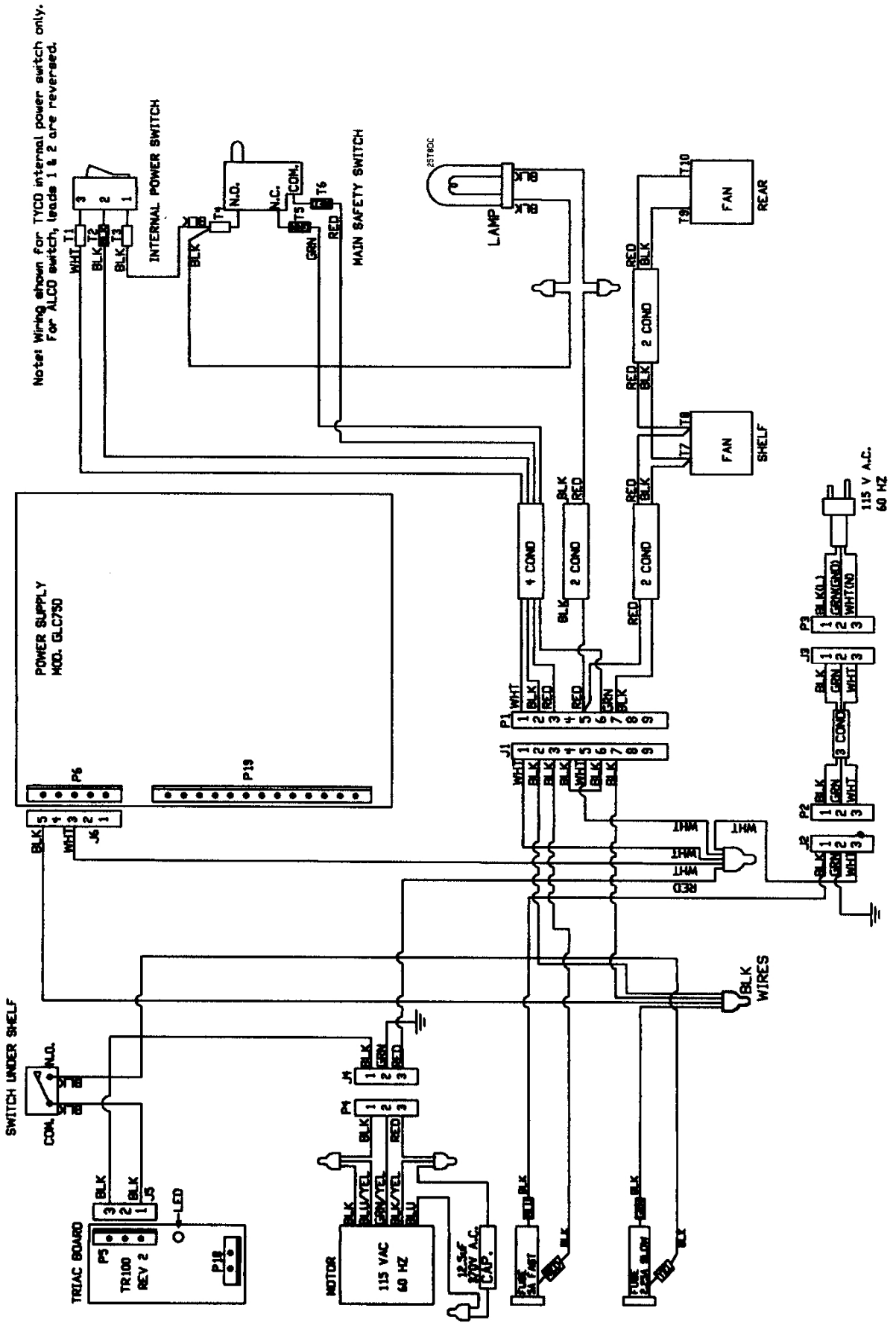
NOTE: WIRE COVERS ARE CLEAR EXCEPT WHERE NOTED



Note: On 230 V systems use 2.5 A fuse instead of 5 A, and 0.8 A SB fuse instead of 2.25 A SB.

TTEX AC HARNESS CEC VERSION

NOTE: WIRE COVERS ARE CLEAR EXCEPT WHERE NOTED



Notes Wiring shown for TYCD internal power switch only.
For ALCO switch, leads 1 & 2 are reversed.