

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE

SEQUENCE

DRAWING DIRECTORY	B-DD-861-0
POWER CONTROL, 861	E-UA-861-0-0
PILOT CONTROL	D-CS-5410206-0-1
CIRCUIT SCHEMATIC 861	D-CS-861-A-1
CIRCUIT SCHEMATIC 861	D-CS-861-B-1
CIRCUIT SCHEMATIC 861	D-CS-861-C-1

UNIT VARIATIONS

PRINT SET TYPE

VARIATION

TITLE

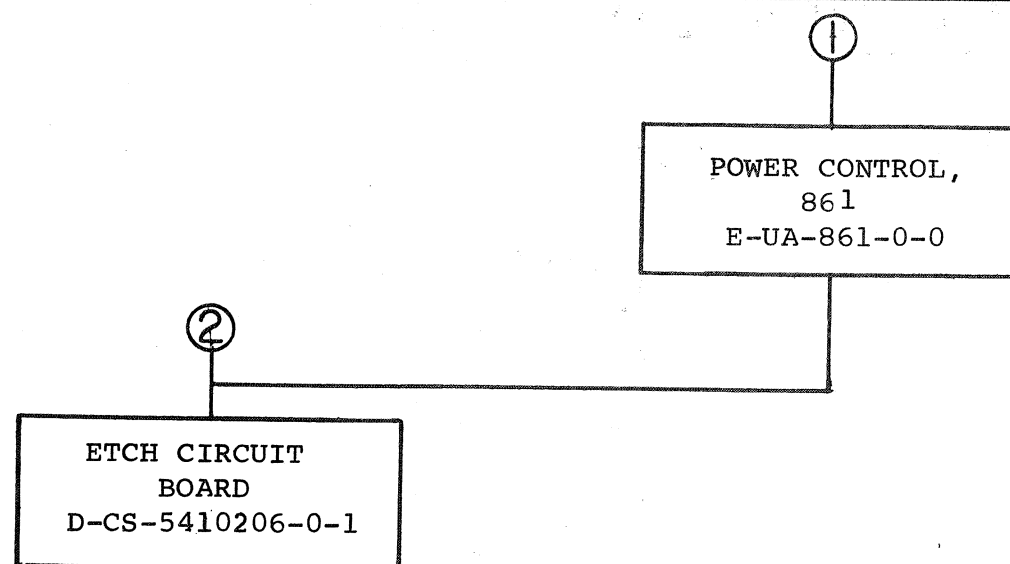
861 P.C.

POWER CONTROL, 861

0677

☒

DRB 106



FILE	SIZE	CODE	NUMBER	REV
POWER CONTROL	SHEET 2 OF 3	B DD	861-0	A

CUSTOMER PRINT SET				ELECTRICAL					CUSTOMER PRINT SET				MECHANICAL								
861-1				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	861-1				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
x					1	D-CS-861-A-1		1	CIRCUIT SCHE. ATIC, 861 P.C.		x					1	E-UA-861-0-0	B	2	POWER CONTROL, 861	
x						D-CS-861-B-1		1	CIRCUIT SCHEMATIC, 861 P.C.								E-IA-7410567-0-0		1	CHASSIS, 861 PC	
x						D-CS-861-C-1		1	CIRCUIT SCHEMATIC, 861 P.C.								D-IA-7410568-0-0		2	COVER, 861 P.C.	
						A-SP-861-0-1		2	TEST AND INSPECTION PRO.								A-PS-3611216-0-0			NAME PLATE 861-A	
																	C-SS-3611216-0-1		1	NAME PLATE 861-A ARTWORK	
																	A-PS-3611217-0-0			NAME PLATE 861-B	
																	C-SS-3611217-0-1		1	NAME PLATE 861-B ARTWORK	
																	A-PS-3611218-0-0			NAME PLATE 861-C	
																	C-SS-3611218-0-1		1	NAME PLATE 861-C ARTWORK	
x					2	D-CS-5410206-0-1	#	2	PILOT CONTROL												
						PC-5010205-0-1		1	ETCH CIRCUIT BOARD												
						K-CO-5410206-0-4		1	X-Y COORDINATE HOLE LOCA.												
						D-AH-5410206-0-5		1	ASSY DRILLING HOLE LAYOUT												
						B-MH-5410206-0-6		1	MODULE ECO HISTORY												

CUSTOMER PRINT SET CODES

X = PRINT OF DOCUMENT INCLUDED IN PRINT SET

C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT

S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE

POWER CONTROL, 861

SHEET 3 OF 3

SIZE CODE

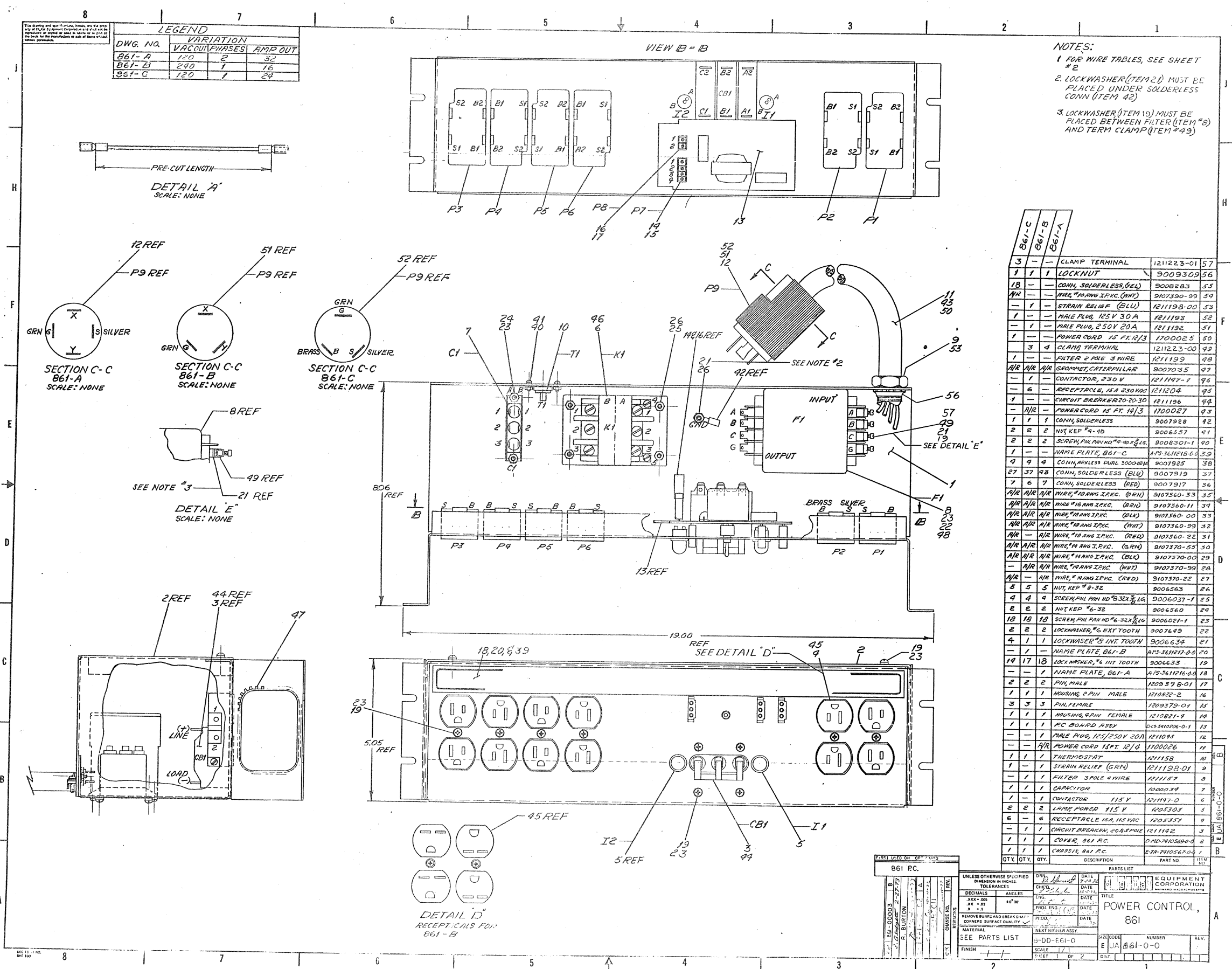
B DD

NUMBER

861-0

REV

A



LEGEND			
DWG. NO.	VARIATION	VACUUM PHASES	AMP OUT
861-A	120	2	32
861-B	240	1	16
861-C	120	1	24

- NOTES:
1. FOR WIRE TABLES, SEE SHEET #2
 2. LOCKWASHER (ITEM 22) MUST BE PLACED UNDER SOLDERLESS CONN (ITEM 42)
 3. LOCKWASHER (ITEM 19) MUST BE PLACED BETWEEN FILTER (ITEM #8) AND TERM CLAMP (ITEM #49)

QTY.	QTY.	DESCRIPTION	PARTS LIST	ITEM NO.
3	1	CLAMP TERMINAL	1211223-01	57
1	1	LOCKNUT	9009309	56
18	1	CONN, SOLDERLESS (VEL)	9008283	55
18	1	WIRE, #16 AWG I.P.V.C. (WHT)	9107390-99	59
1	1	STRAIN RELIEF (BLU)	1211198-00	53
1	1	MALE PLUG, 125V 30A	1211193	52
1	1	WIRE PLUG, 250V 20A	1211192	51
1	1	POWER CORD, 15 FT. 12/3	1700025	50
3	4	CLAMP TERMINAL	1211223-00	49
1	1	FILTER 2 POLE 3 WIRE	1211199	48
AIR	AIR	GRONNET, CATERPILLAR	9007035	47
1	1	CONTACTOR, 230 V	1211197-1	46
6	6	RECEPTACLE, 15A 115VAC	1211204	45
1	1	CIRCUIT BREAKER 20-30	1211196	44
AIR	AIR	POWER CORD 15 FT. 14/3	1700027	43
1	1	CONN, SOLDERLESS	9007928	42
2	2	NUT, KEP #4-10	9006557	41
2	2	SCREW, PHN PAN HD #4-10x1/2	9008301-1	40
1	1	NAME PLATE, 861-C	1211198-00	39
4	4	CONN, SOLDERLESS DUAL 3000VAC	9007925	38
27	37	CONN, SOLDERLESS (BLU)	9007919	37
7	6	CONN, SOLDERLESS (RED)	9007917	36
AIR	AIR	WIRE, #16 AWG I.P.V.C. (GRN)	9107360-33	35
AIR	AIR	WIRE, #16 AWG I.P.V.C. (BLN)	9107360-11	34
AIR	AIR	WIRE, #16 AWG I.P.V.C. (BLK)	9107360-00	33
AIR	AIR	WIRE, #16 AWG I.P.V.C. (WHT)	9107360-99	32
AIR	AIR	WIRE, #16 AWG I.P.V.C. (RED)	9107360-22	31
AIR	AIR	WIRE, #16 AWG I.P.V.C. (GRN)	9107370-55	30
AIR	AIR	WIRE, #16 AWG I.P.V.C. (BLU)	9107370-00	29
AIR	AIR	WIRE, #16 AWG I.P.V.C. (WHT)	9107370-99	28
AIR	AIR	WIRE, #16 AWG I.P.V.C. (RED)	9107370-22	27
5	5	NUT, KEP #8-32	9006563	26
4	4	SCREW, PHN PAN HD #8-32x1/2	9006037-1	25
2	2	NUT, KEP #6-32	9006560	24
18	18	SCREW, PHN PAN HD #6-32x1/2	9006021-1	23
2	2	LOCKWASHER, #6 EXT TOOTH	9007649	22
4	1	LOCKWASHER #8 INT. TOOTH	9006634	21
1	1	NAME PLATE, 861-B	1211197-00	20
18	18	LOCKWASHER, #6 INT TOOTH	9006633	19
1	1	NAME PLATE, 861-A	1211196-00	18
2	2	PIN, MALE	1209376-01	17
1	1	HOUSING 2 PIN MALE	1210822-2	16
3	3	PIN, FEMALE	1209379-01	15
1	1	HOUSING 2 PIN FEMALE	1210821-9	14
1	1	PC BOARD ASSY	0-3-5410200-0-1	13
1	1	MALE PLUG, 125/250V 20A	1211095	12
1	1	POWER CORD 15 FT. 12/3	1700026	11
1	1	THERMOSTAT	1211158	10
1	1	STRAIN RELIEF (GRN)	1211198-01	9
1	1	FILTER 3 POLE 4 WIRE	1211157	8
1	1	CAPACITOR	1000039	7
1	1	CONTACTOR 115V	1211197-0	6
2	2	LAMP POWER 115V	1205303	5
6	6	RECEPTACLE 15A 115VAC	1205337	4
1	1	CIRCUIT BREAKER, 20-30 AMP	1211192	3
1	1	CORR, 861 PC	0-3-5410200-0-1	2
1	1	CHASSIS 861 PC	0-3-5410200-0-1	1

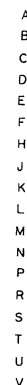
POWER CONTROL, 861

QTY.	QTY.	DESCRIPTION	PARTS LIST	ITEM NO.
1	1	861 PC		

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES	DATE 12/1/66	BY J. BURTON	REV. 1
DECIMALS XXX - .005 XX - .01 X - .1	ANGLES 10° 30'	PROJ. ENG. DATE 12/1/66	DATE 12/1/66
MATERIAL SEE PARTS LIST	FINISH 1	SCALE 1/1	SHEET 1 OF 2

WIRE TABLE 861-A										WIRE TABLE 861-B										WIRE TABLE 861-C									
NO.	DESCRIPTION	WIRE	FROM	TO	REMARKS	NO.	DESCRIPTION	WIRE	FROM	TO	REMARKS	NO.	DESCRIPTION	WIRE	FROM	TO	REMARKS	NO.	DESCRIPTION	WIRE	FROM	TO	REMARKS	NO.	DESCRIPTION	WIRE	FROM	TO	REMARKS
29	BLK 14	P1-B2	37	PI-A3	12.0	29	BLK 14	P1-B2	37	PI-A3	12.0	29	BLK 14	P1-B2	37	PI-A3	12.0	29	BLK 14	P1-B2	37	PI-A3	12.0	29	BLK 14	P1-B2	37	PI-A3	12.0
32	BLK 14	P1-B1	37	PI-A2	12.0	32	BLK 14	P1-B1	37	PI-A2	12.0	32	BLK 14	P1-B1	37	PI-A2	12.0	32	BLK 14	P1-B1	37	PI-A2	12.0	32	BLK 14	P1-B1	37	PI-A2	12.0
28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0
32	WHT 14	P1-S2	37	PI-A2	12.0	32	WHT 14	P1-S2	37	PI-A2	12.0	32	WHT 14	P1-S2	37	PI-A2	12.0	32	WHT 14	P1-S2	37	PI-A2	12.0	32	WHT 14	P1-S2	37	PI-A2	12.0
31	RED 14	P1-B3	37	PI-A3	10.0	31	RED 14	P1-B3	37	PI-A3	10.0	31	RED 14	P1-B3	37	PI-A3	10.0	31	RED 14	P1-B3	37	PI-A3	10.0	31	RED 14	P1-B3	37	PI-A3	10.0
27	RED 14	P1-B1	37	PI-A1	12.0	27	RED 14	P1-B1	37	PI-A1	12.0	27	RED 14	P1-B1	37	PI-A1	12.0	27	RED 14	P1-B1	37	PI-A1	12.0	27	RED 14	P1-B1	37	PI-A1	12.0
28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0
27	RED 14	P1-B1	37	PI-A1	6.0	27	RED 14	P1-B1	37	PI-A1	6.0	27	RED 14	P1-B1	37	PI-A1	6.0	27	RED 14	P1-B1	37	PI-A1	6.0	27	RED 14	P1-B1	37	PI-A1	6.0
28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0
28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0	28	WHT 14	P1-S1	37	PI-A1	6.0
29	BLK 14	P1-B2	37	PI-A2	6.0	29	BLK 14	P1-B2	37	PI-A2	6.0	29	BLK 14	P1-B2	37	PI-A2	6.0	29	BLK 14	P1-B2	37	PI-A2	6.0	29	BLK 14	P1-B2	37	PI-A2	6.0
29	BLK 14	P1-B2	37	PI-A2	9.0	29	BLK 14	P1-B2	37	PI-A2	9.0	29	BLK 14	P1-B2	37	PI-A2	9.0	29	BLK 14	P1-B2	37	PI-A2	9.0	29	BLK 14	P1-B2	37	PI-A2	9.0
28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0	28	WHT 14	P1-S1	37	PI-A1	9.0
27	RED 14	P1-B1	37	PI-A1	9.0	27	RED 14	P1-B1	37	PI-A1	9.0	27	RED 14	P1-B1	37	PI-A1	9.0	27	RED 14	P1-B1	37	PI-A1	9.0	27	RED 14	P1-B1	37	PI-A1	9.0
5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37
5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37
5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37	5	BLK 14	PI-A	37	PI-A	37
29	BLK 14	PI-A	37	PI-A	37	29	BLK 14	PI-A	37	PI-A	37	29	BLK 14	PI-A	37	PI-A	37	29	BLK 14	PI-A	37	PI-A	37	29	BLK 14	PI-A	37	PI-A	37
28	WHT 14	PI-A	37	PI-A	37	28	WHT 14	PI-A	37	PI-A	37	28	WHT 14	PI-A	37	PI-A	37	28	WHT 14	PI-A	37	PI-A	37	28	WHT 14	PI-A	37	PI-A	37
27	RED 14	PI-A	37	PI-A	37	27	RED 14	PI-A	37	PI-A	37	27	RED 14	PI-A	37	PI-A	37	27	RED 14	PI-A	37	PI-A	37	27	RED 14	PI-A	37	PI-A	37
30	GRN 14	PI-A	37	PI-A	37	30	GRN 14	PI-A	37	PI-A	37	30	GRN 14	PI-A	37	PI-A	37	30	GRN 14	PI-A	37	PI-A	37	30	GRN 14	PI-A	37	PI-A	37
34	BRN 14	PI-A	37	PI-A	37	34	BRN 14	PI-A	37	PI-A	37	34	BRN 14	PI-A	37	PI-A	37	34	BRN 14	PI-A	37	PI-A	37	34	BRN 14	PI-A	37	PI-A	37
35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37
35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37	35	ORN 14	PI-A	37	PI-A	37
11	BLK 12	P1-Y	37	PI-A	49	11	BLK 12	P1-Y	37	PI-A	49	11	BLK 12	P1-Y	37	PI-A	49	11	BLK 12	P1-Y	37	PI-A	49	11	BLK 12	P1-Y	37	PI-A	49
11	RED 12	P1-X	37	PI-A	49	11	RED 12	P1-X	37	PI-A	49	11	RED 12	P1-X	37	PI-A	49	11	RED 12	P1-X	37	PI-A	49	11	RED 12	P1-X	37	PI-A	49
11	WHT 12	P1-S	37	PI-A	49	11	WHT 12	P1-S	37	PI-A	49	11	WHT 12	P1-S	37	PI-A	49	11	WHT 12	P1-S	37	PI-A	49	11	WHT 12	P1-S	37	PI-A	49
11	GRN 12	P1-G	37	PI-A	49	11	GRN 12	P1-G	37	PI-A	49	11	GRN 12	P1-G	37	PI-A	49	11	GRN 12	P1-G	37	PI-A	49	11	GRN 12	P1-G	37	PI-A	49

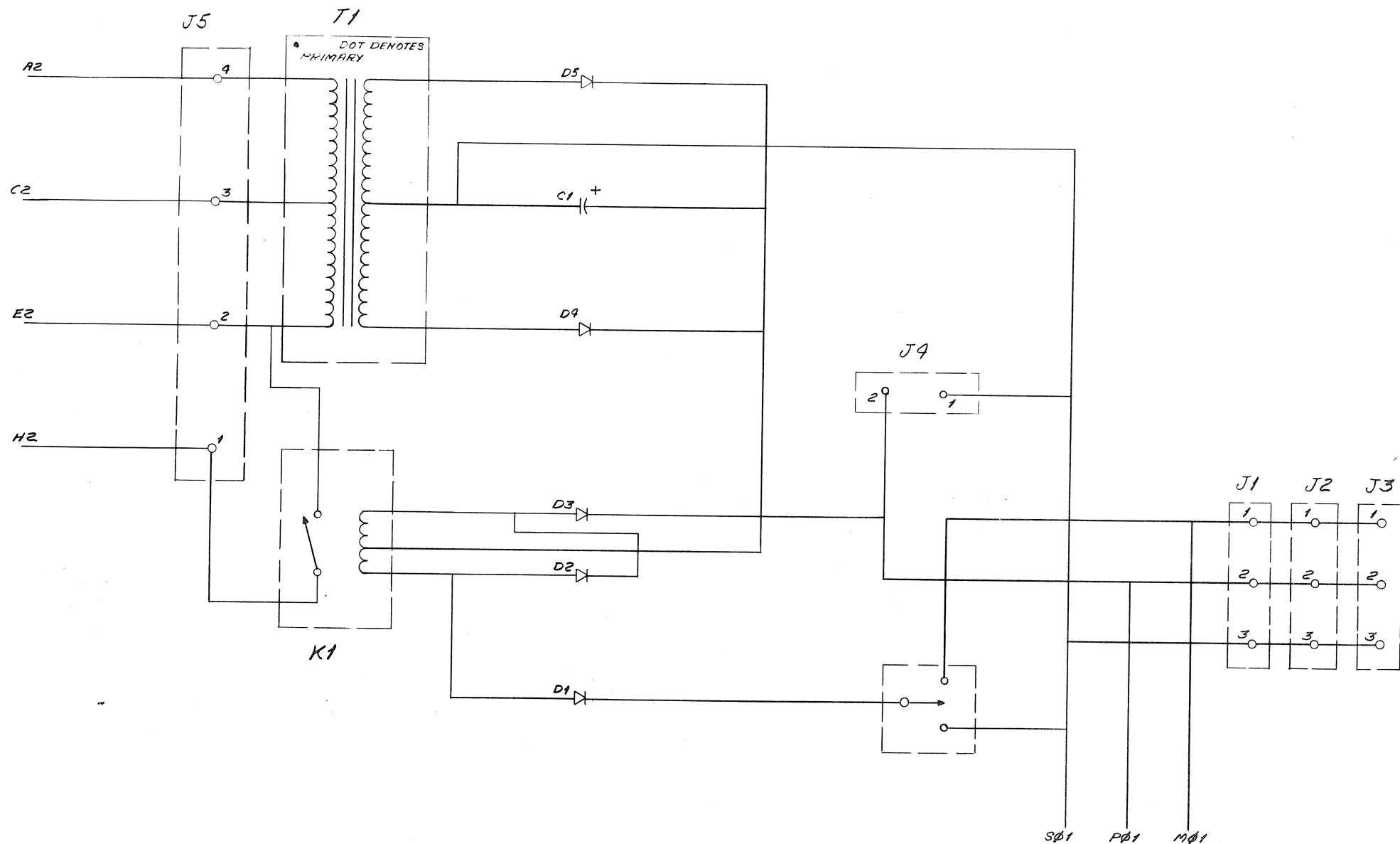
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
861 PC					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		PARTS LIST			
TOLERANCES		EQUIPMENT CORPORATION			
DECIMALS	ANGLES	TITLE			
XX - .001	XX - .01	POWER CONTROL, 861			
XX - .02	XX - .03	REV. 1			
XX - .04	XX - .05	REV. 2			
REMOVE BURRS AND BREAK SHARP EDGES SURFACE QUALITY		REV. 3			
MATERIAL		REV. 4			
FINISH		REV. 5			
SCALE		REV. 6			
SHEET		REV. 7			

BRUNING 40-522 16699

SIZE CODE	NUMBER	REV.
D CS	5410206-Q-1	A

A

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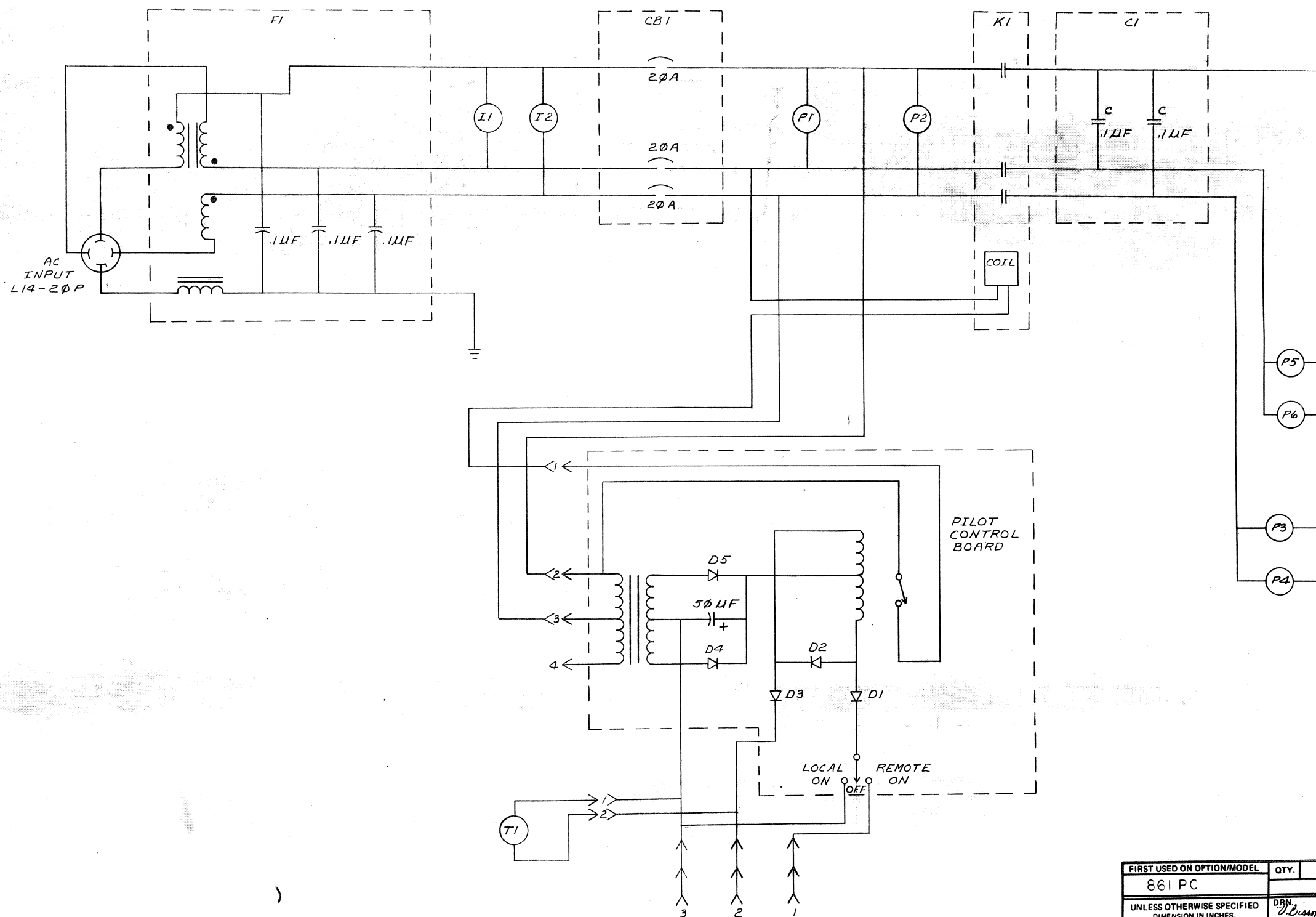


REV	CHANGE NO
1	1

BRUNING 40-522 15840
DEC FORM NO
DRD 102

FIRST USED ON OPTION/MODEL 861 PC.		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS .XXX = .005 .XX = .02 .X = .1	ANGLES ± 0° 30'	DRN <i>Belmont</i>	DATE 8-28-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		CHK'D <i>Belmont</i>	DATE 7-17-72	TITLE PILOT CONTROL	
MATERIAL — / — / —		ENG. <i>Belmont</i>	DATE 9-19-72	SIZE CODE DCS 5410206-0-1	
FINISH — / — / —		PROJ. ENG. <i>Belmont</i>	DATE 9-19-72	NUMBER 5410206-0-1	
NEXT HIGHER ASSY. — / — / —		SCALE NONE	SHEET 2 OF 2	REV. A	

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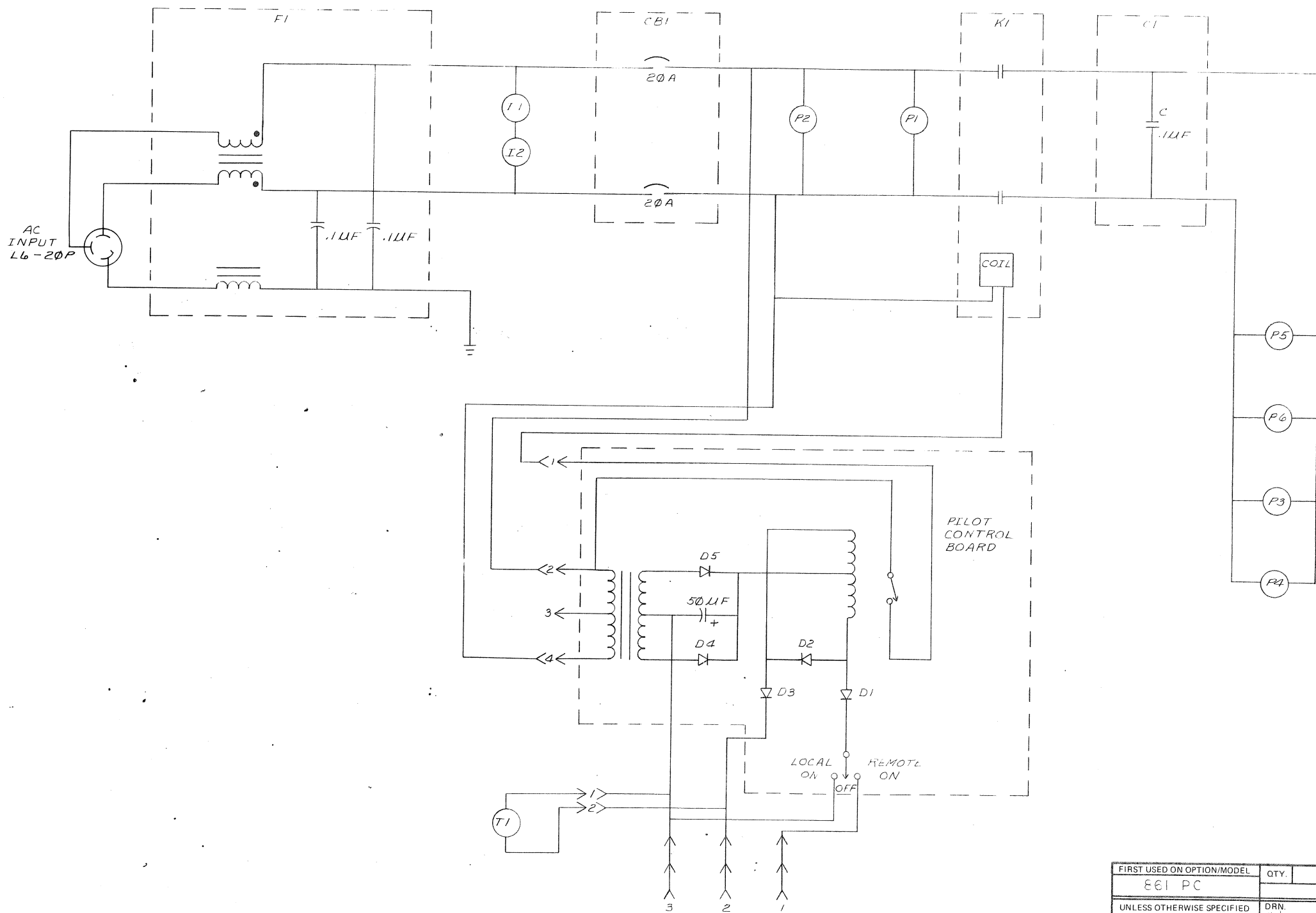


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
861 PC					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		PARTS LIST			
DECIMALS		ANGLES		TITLE	
xxx - .005		10° 30'		CIRCUIT SCHEMATIC (861-A-PC)	
xx - .02				861-A-1	
x - .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.		SCALE	
		B-DD-861-0		SHEET 1 OF 1	
MATERIAL				DIST.	
FINISH					

REV.	CHANGE NO.	REVISIONS
1	1	1

BRUNING 40-107 15948
DEC FORM NO
DMD 100-A

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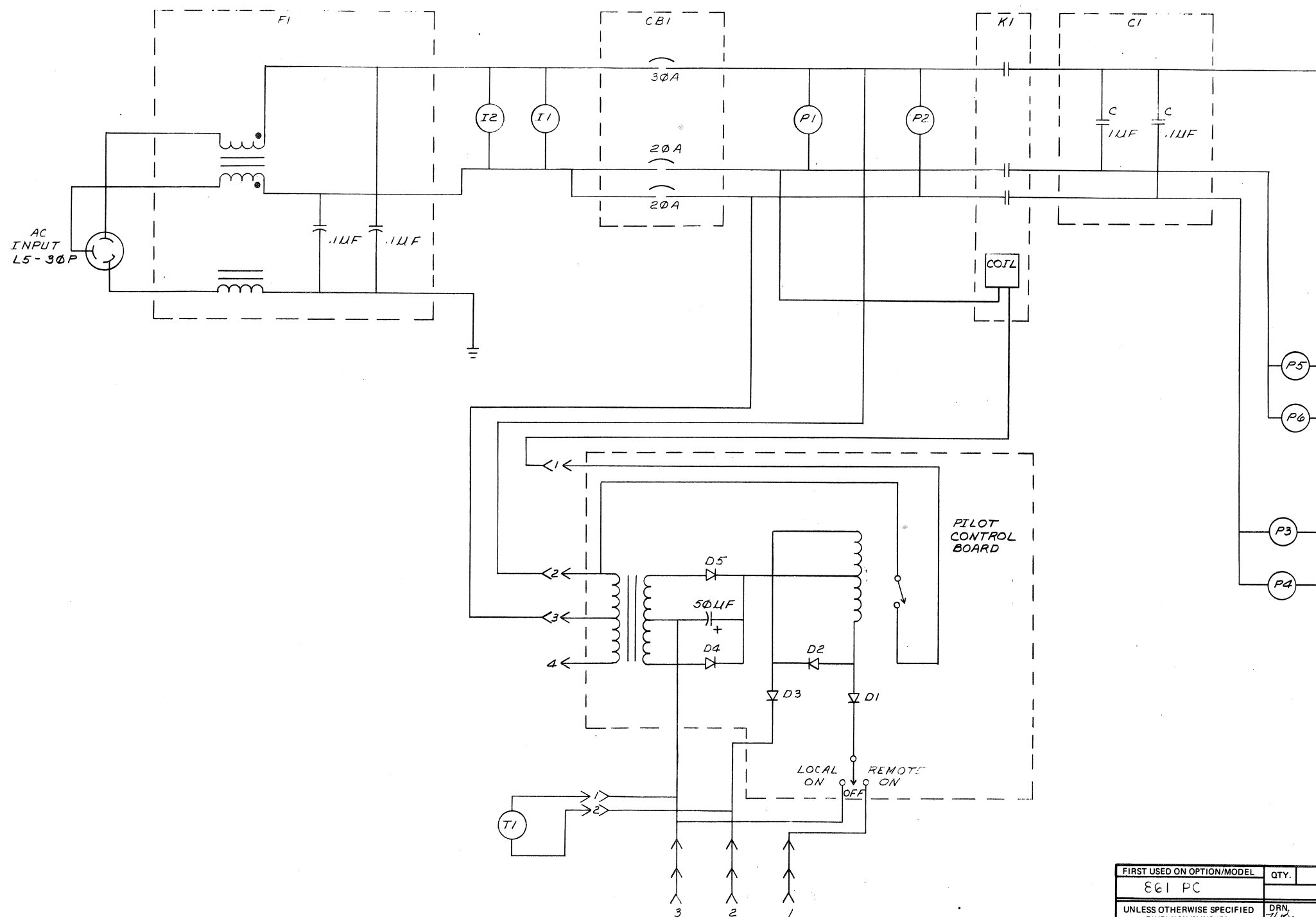
REV	CHANGE NO	REVISIONS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8

DEC FORM NO. 100-A

FIRST USED ON OPTION/MODEL E61 PC	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN DATE 10-1-72	CHK'D DATE 10-1-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX = .005 .XX = .02 .X = .1	ANGLES ±0° 30'	ENG DATE 10-1-72	TITLE CIRCUIT SCHEMATIC (E61-BFC)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. DATE 10-1-72	PROD. DATE 10-1-72	SIZE CODE D	
MATERIAL FINISH	NEXT HIGHER ASSY. SCALE SHEET 1 OF 1		NUMBER DCS E61-B-1	REV.

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REV. 1-0-139 861-C-1 2



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
861 PC				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN 9/12/72	DATE	<div>digital EQUIPMENT CORPORATION</div> <div>MAYNARD MASSACHUSETTS</div>	
DECIMALS	CHKD 10/6/72	DATE		
ANGLES	ENG 10/6/72	DATE		
XXX = .005 XX = .02 X = .1	PROJ. ENG. 10/6/72	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. 10/6/72	DATE	<div>CIRCUIT</div> <div>SCHEMATIC</div> <div>861-C P.C.</div>	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE		SIZE CODE	NUMBER
	SHEET	OF	DOS	861-C-1
			DIST.	REV.

BRUNING 40-107 15968

REVISIONS
CHANGE NO.
CHK

UFC FORM 117
DRD 100-A