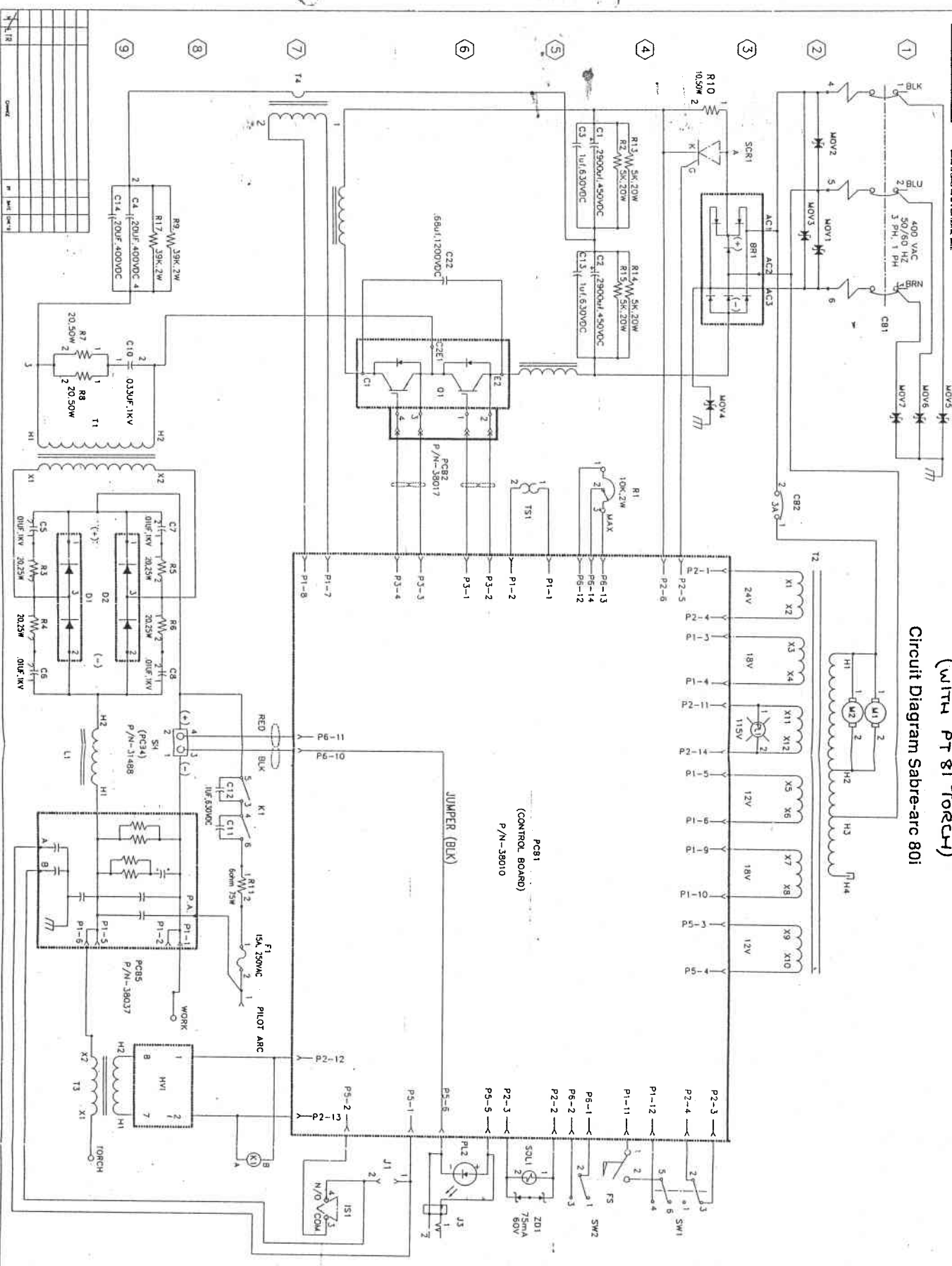


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(WITH PT 81 TORCH)
 Circuit Diagram Sabre-arc 801



COMPONENT LEGEND

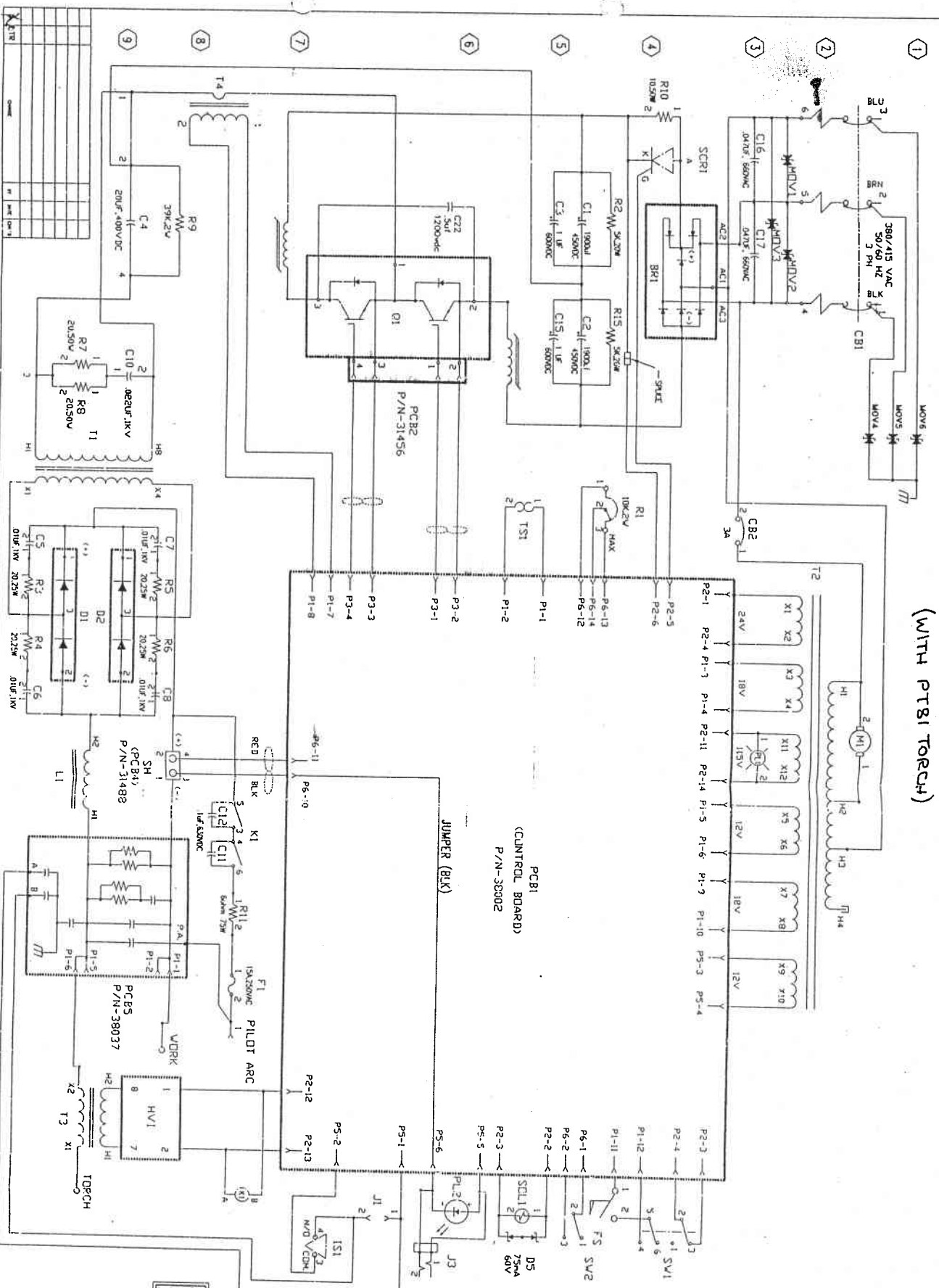
ITEM NO.	DESCRIPTION
1	CB1 CIRCUIT BREAKER 30A
2	M1 2/2 TAP MOTOR
3	P1-1 PILOT LIGHT 120V
4	CB2 CIRCUIT BREAKER 3A
5	T2 CONTROL TRANSFORMER
6	SCRT SILECON CONTROLLED RECTIFIER 70A 1200V
7	BR1 BRIDGE DIODE MODULE 50A 75A 1800V
8	SM1 SWITCH TOGGLE (PNT) (A4) (CRK) 15A 120V
9	F5 FLOW SWITCH
10	RT1 PITCH/ROTATION 10K 7M
11	PCB1 CONTROL P/C BOARD
12	TS1 THERMAL SWITCH 55C
13	SO1 SOLID STATE SWITCH (SS)
14	D1 DIODE MODULE 100A 600V 100MS
15	PCB2 MAIN TRANSFORMER
16	PCB3 START-UP P/C BOARD
17	HV1 HIGH VOLTAGE CENTER
18	T1 MAIN TRANSFORMER
19	D2 DIODE MODULE 100A 600V 100MS
20	D1 DIODE MODULE 100A 600V 100MS
21	L1 INDUCTOR
22	T3 INDUCTOR ASST. HT

REFERENCE DRAWINGS:
 D-35527 WIRING DIAGRAM
 A-35540 WIRE KIT, MAIN
 A-34937 WIRE KIT, 480V

ITEM NO.	DESCRIPTION
1	PCB1 CONTROL P/C BOARD
2	TS1 THERMAL SWITCH 55C
3	SO1 SOLID STATE SWITCH (SS)
4	D1 DIODE MODULE 100A 600V 100MS
5	PCB2 MAIN TRANSFORMER
6	PCB3 START-UP P/C BOARD
7	HV1 HIGH VOLTAGE CENTER
8	T1 MAIN TRANSFORMER
9	D2 DIODE MODULE 100A 600V 100MS
10	D1 DIODE MODULE 100A 600V 100MS
11	L1 INDUCTOR
12	T3 INDUCTOR ASST. HT

NOTE: Recent modifications to the power source may not be reflected in this drawing. For up-to-date information on your model, refer to the schematic on the inside cover of the power source or contact Murex Welding Products.

cut Diagram Sabre-arc 50i
(WITH PT81 TORCH)



NOTE: Recent modifications to the power source may not be reflected in this drawing. For up-to-date information on your model, refer to the schematic on the inside cover of the power source or contact Murex Welding Products.

COMPONENT LEGEND

ITEM NO.	DESCRIPTION
1	380/415 VAC 50/60 HZ 3 PH
2	PT1 PILOT LIGHT 12V
3	SCR1 SCRATCH CONTROLLED RECTIFIER 70A 1200V
4	FS FLOW SWITCH
5	DI1 DIODE MODULE 600V 100A
6	DI2 DIODE MODULE 100A 600V 100A
7	DI3 DIODE MODULE 100A 600V 100A
8	DI4 DIODE MODULE 100A 600V 100A
9	DI5 DIODE MODULE 100A 600V 100A
10	DI6 DIODE MODULE 100A 600V 100A
11	DI7 DIODE MODULE 100A 600V 100A
12	DI8 DIODE MODULE 100A 600V 100A
13	DI9 DIODE MODULE 100A 600V 100A
14	DI10 DIODE MODULE 100A 600V 100A
15	DI11 DIODE MODULE 100A 600V 100A
16	DI12 DIODE MODULE 100A 600V 100A
17	DI13 DIODE MODULE 100A 600V 100A
18	DI14 DIODE MODULE 100A 600V 100A
19	DI15 DIODE MODULE 100A 600V 100A
20	DI16 DIODE MODULE 100A 600V 100A
21	DI17 DIODE MODULE 100A 600V 100A
22	DI18 DIODE MODULE 100A 600V 100A
23	DI19 DIODE MODULE 100A 600V 100A
24	DI20 DIODE MODULE 100A 600V 100A
25	DI21 DIODE MODULE 100A 600V 100A
26	DI22 DIODE MODULE 100A 600V 100A
27	DI23 DIODE MODULE 100A 600V 100A
28	DI24 DIODE MODULE 100A 600V 100A
29	DI25 DIODE MODULE 100A 600V 100A
30	DI26 DIODE MODULE 100A 600V 100A
31	DI27 DIODE MODULE 100A 600V 100A
32	DI28 DIODE MODULE 100A 600V 100A
33	DI29 DIODE MODULE 100A 600V 100A
34	DI30 DIODE MODULE 100A 600V 100A
35	DI31 DIODE MODULE 100A 600V 100A
36	DI32 DIODE MODULE 100A 600V 100A
37	DI33 DIODE MODULE 100A 600V 100A
38	DI34 DIODE MODULE 100A 600V 100A
39	DI35 DIODE MODULE 100A 600V 100A
40	DI36 DIODE MODULE 100A 600V 100A
41	DI37 DIODE MODULE 100A 600V 100A
42	DI38 DIODE MODULE 100A 600V 100A
43	DI39 DIODE MODULE 100A 600V 100A
44	DI40 DIODE MODULE 100A 600V 100A
45	DI41 DIODE MODULE 100A 600V 100A
46	DI42 DIODE MODULE 100A 600V 100A
47	DI43 DIODE MODULE 100A 600V 100A
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73	DI69 DIODE MODULE 100A 600V 100A
74	DI70 DIODE MODULE 100A 600V 100A
75	DI71 DIODE MODULE 100A 600V 100A
76	DI72 DIODE MODULE 100A 600V 100A
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100	DI96 DIODE MODULE 100A 600V 100A
101	DI97 DIODE MODULE 100A 600V 100A
102	DI98 DIODE MODULE 100A 600V 100A
103	DI99 DIODE MODULE 100A 600V 100A
104	DI100 DIODE MODULE 100A 600V 100A

REFERENCE DRAWINGS:

- D-35534 WELDING DIAGRAM
- A-35489 WIRE KIT MAIN
- A-34458 WIRE KIT 380/415V & 460V 3PH W/T

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