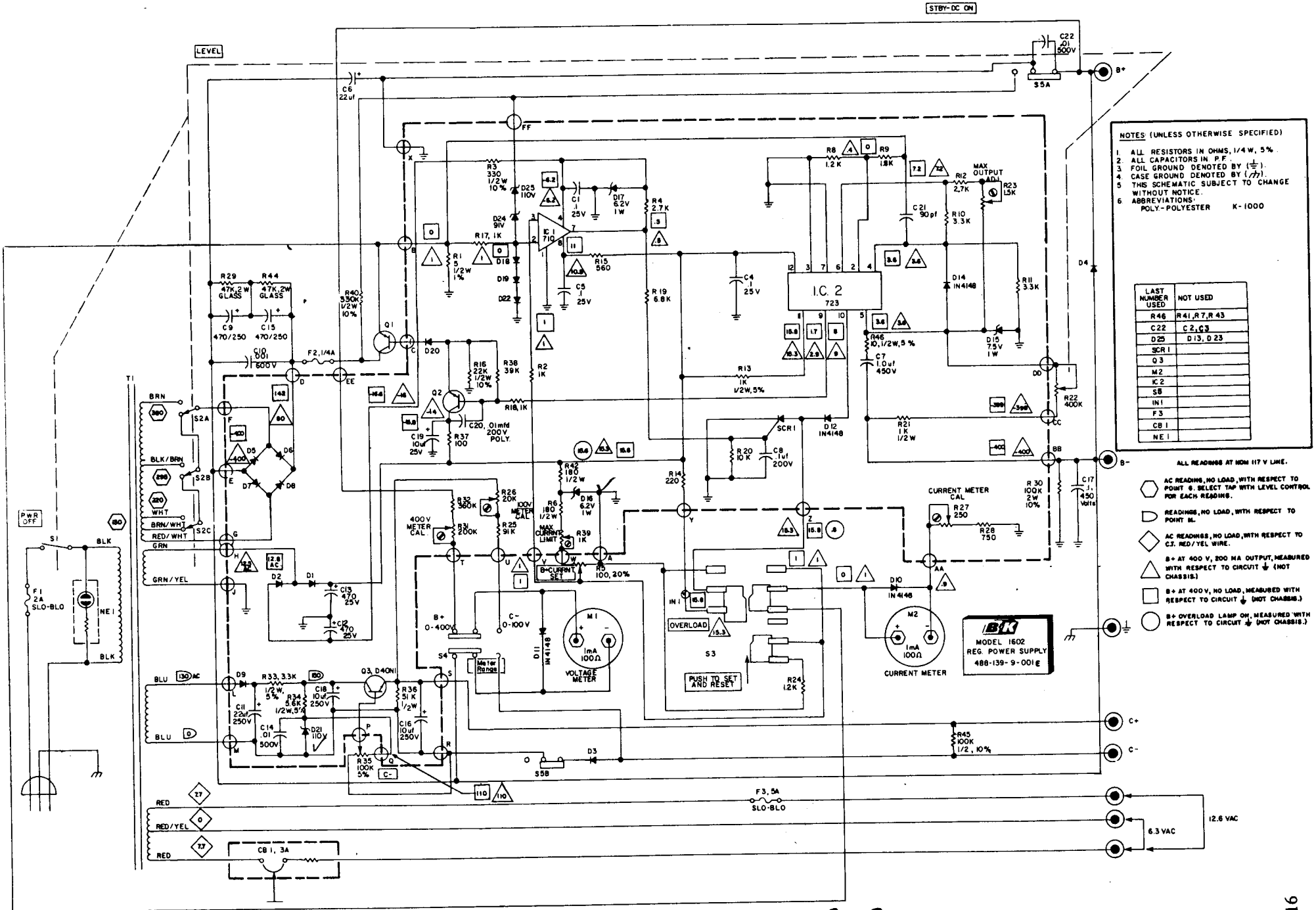
STBY-DC ON
LEVEL
C6 22uf
C22 .01 500V
S5A
B+
FF
X
R3 330 1/2W 10%
D25 110V
D24 91V
R17, 1K
D18
D19
D22
IC 1 710
C1 .1 25V
D17 6.2V 1W
R4 2.7K
R1 5 1/2W 1%
R15 560
C5 .1 25V
R19 6.8K
C4 .1 25V
R8 1.2K
R9 1.8K
R12 2.7K
MAX OUTPUT ADJ.
R23 1.5K
C21 90pf
R10 3.3K
I.C. 2 723
D14 IN4148
R11 3.3K
R46 10, 1/2W, 5%
C7 1.0uf 450V
D15 7.5V 1W
R13 1K 1/2W, 5%
R22 400K
D4
R29 47K, 2W GLASS
R44 47K, 2W GLASS
C9 470/250
C15 470/250
C10 .001 600V
F2, 1/4A
R40 330K 1/2W 10%
Q1
D20
R16 22K 1/2W 10%
R38 39K
R2 1K
Q2
R18, 1K
C20, .01mfd 200V POLY.
C19 10uf 25V
SCR1
D12 IN4148
R20 10K
C8 1uf 200V
R21 1K 1/2W
R14 220
R42 180 1/2W
D16 6.2V 1W
R6 180 1/2W
R39 1K
R5 100, 20%
R32 360K
R31 200K
R26 20K 100V METER CAL
R25 91K
400V METER CAL
MAX CURRENT LIMIT
B+ CURRENT SET
CURRENT METER CAL
R27 250
R28 750
R30 100K 2W 10%
C17 .1, 450 Volts
D10 IN4148
IN1
OVERLOAD
S3
PUSH TO SET AND RESET
R24 1.2K
M1 1mA 100Ω VOLTAGE METER
M2 1mA 100Ω CURRENT METER
B+ 0-400
C- 0-100 V
Meter Range
S4
D11 IN4148
BK MODEL 1602 REG. POWER SUPPLY 488-139-9-001E
T1
BRN
BLK/BRN
BRN/WHT
RED/WHT
S2A
S2B
S2C
D5
D6
D7
D8
PWR OFF
S1
BLK
F1 2A SLO-BLO
NE1
GRN
GRN/YEL
D2
D1
C13 470 25V
C12 470 25V
BLU
D9
R33, 3.3K
Q3, D40N1
R36 51K 1/2W
C11 22uf 250V
R34 5.6K 1/2W, 5%
C18 10uf 250V
C14 .01 500V
D21 110V
C16 10uf 250V
R35 100K 5%
S5B
D3
R45 100K 1/2, 10%
C+
C-
RED
RED/YEL
CB1, 3A
F3, 5A SLO-BLO
12.6 VAC
6.3 VAC
NOTES (UNLESS OTHERWISE SPECIFIED)
1. ALL RESISTORS IN OHMS, 1/4 W, 5%.
2. ALL CAPACITORS IN P.F.
3. FOIL GROUND DENOTED BY (⏚).
4. CASE GROUND DENOTED BY (⏚).
5. THIS SCHEMATIC SUBJECT TO CHANGE WITHOUT NOTICE.
6. ABBREVIATIONS: POLY.-POLYESTER K-1000
LAST NUMBER USED | NOT USED
R46 | R41, R7, R43
C22 | C2, C3
D25 | D13, D23
SCR1
Q3
M2
IC2
S8
IN1
F3
CB1
NE1
ALL READINGS AT NOM 117 V LINE.
AC READINGS, NO LOAD, WITH RESPECT TO POINT G. SELECT TAP WITH LEVEL CONTROL FOR EACH READING.
READINGS, NO LOAD, WITH RESPECT TO POINT BL.
AC READINGS, NO LOAD, WITH RESPECT TO C.T. RED/YEL WIRE.
B+ AT 400 V, 200 MA OUTPUT, MEASURED WITH RESPECT TO CIRCUIT ⏚ (NOT CHASSIS.)
B+ AT 400 V, NO LOAD, MEASURED WITH RESPECT TO CIRCUIT ⏚ (NOT CHASSIS.)
B+ OVERLOAD LAMP OH, MEASURED WITH RESPECT TO CIRCUIT ⏚ (NOT CHASSIS.)

B+K 1602