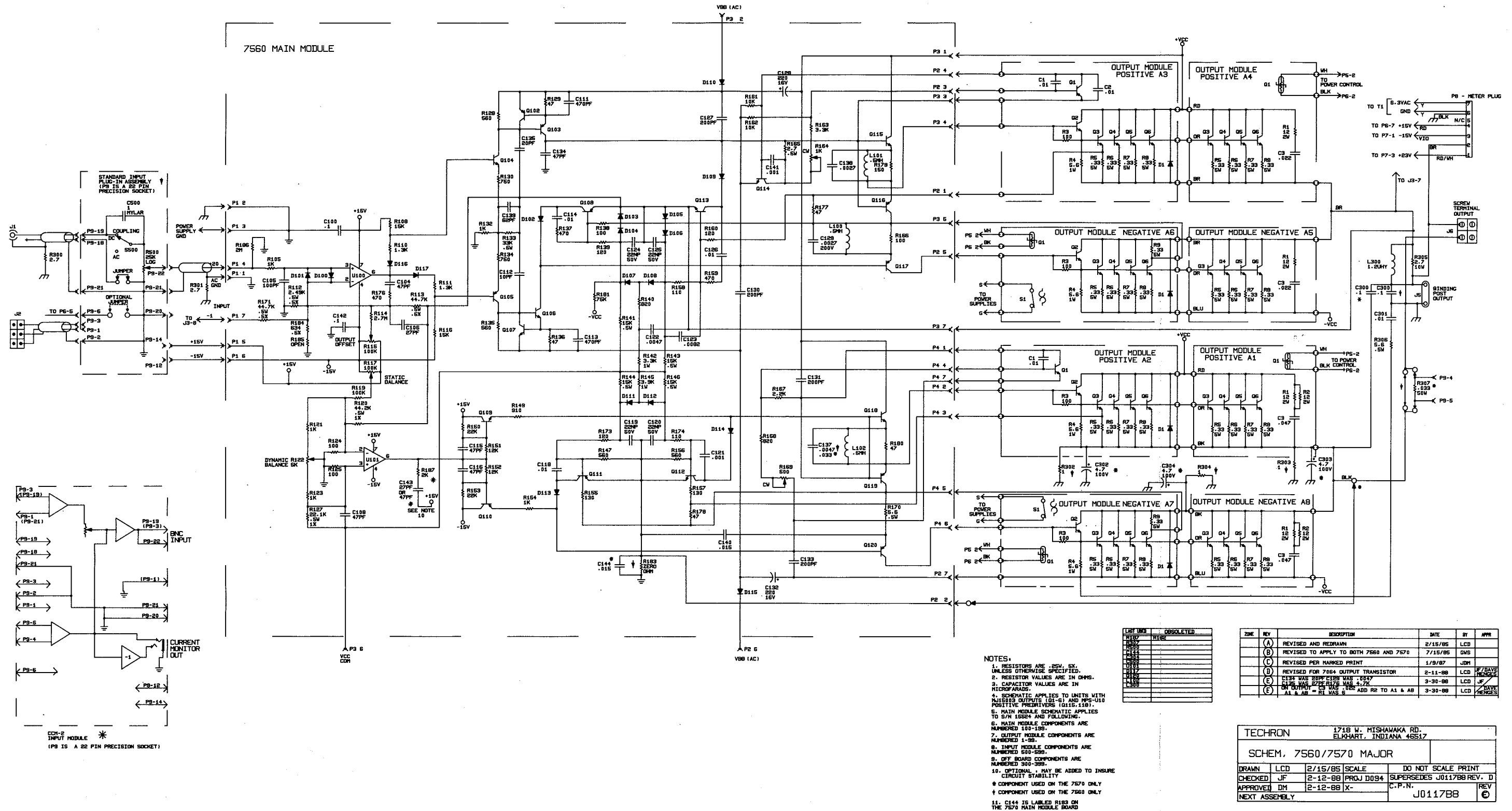


Schematic, 7560 Power Supply



- NOTES:
1. RESISTORS ARE .25W, 5%, UNLESS OTHERWISE SPECIFIED.
 2. RESISTOR VALUES ARE IN OHMS.
 3. CAPACITOR VALUES ARE IN MICROFARADS.
 4. SCHEMATIC APPLIES TO UNITS WITH NUMBERED OUTPUTS (01-01 AND PPS-010 POSITIVE PREDRIVERS (Q115, I101).
 5. MAIN MODULE SCHEMATIC APPLIES TO SW 1000A AND FOLLOWING.
 6. MAIN MODULE COMPONENTS ARE NUMBERED 100-199.
 7. OUTPUT MODULE COMPONENTS ARE NUMBERED 1-99.
 8. INPUT MODULE COMPONENTS ARE NUMBERED 300-399.
 9. OFF BOARD COMPONENTS ARE NUMBERED 900-999.
 10. OPTIONAL * MAY BE ADDED TO INSURE CIRCUIT STABILITY.
 11. * COMPONENT USED ON THE 7570 ONLY.
 - † COMPONENT USED ON THE 7560 ONLY.
 - ‡ C144 IS LABELED R183 ON THE 7570 MAIN MODULE BOARD.

REF DES	DESCRIPTION
R183	R183
C144	C144
C145	C145
C146	C146
C147	C147
C148	C148
C149	C149
C150	C150

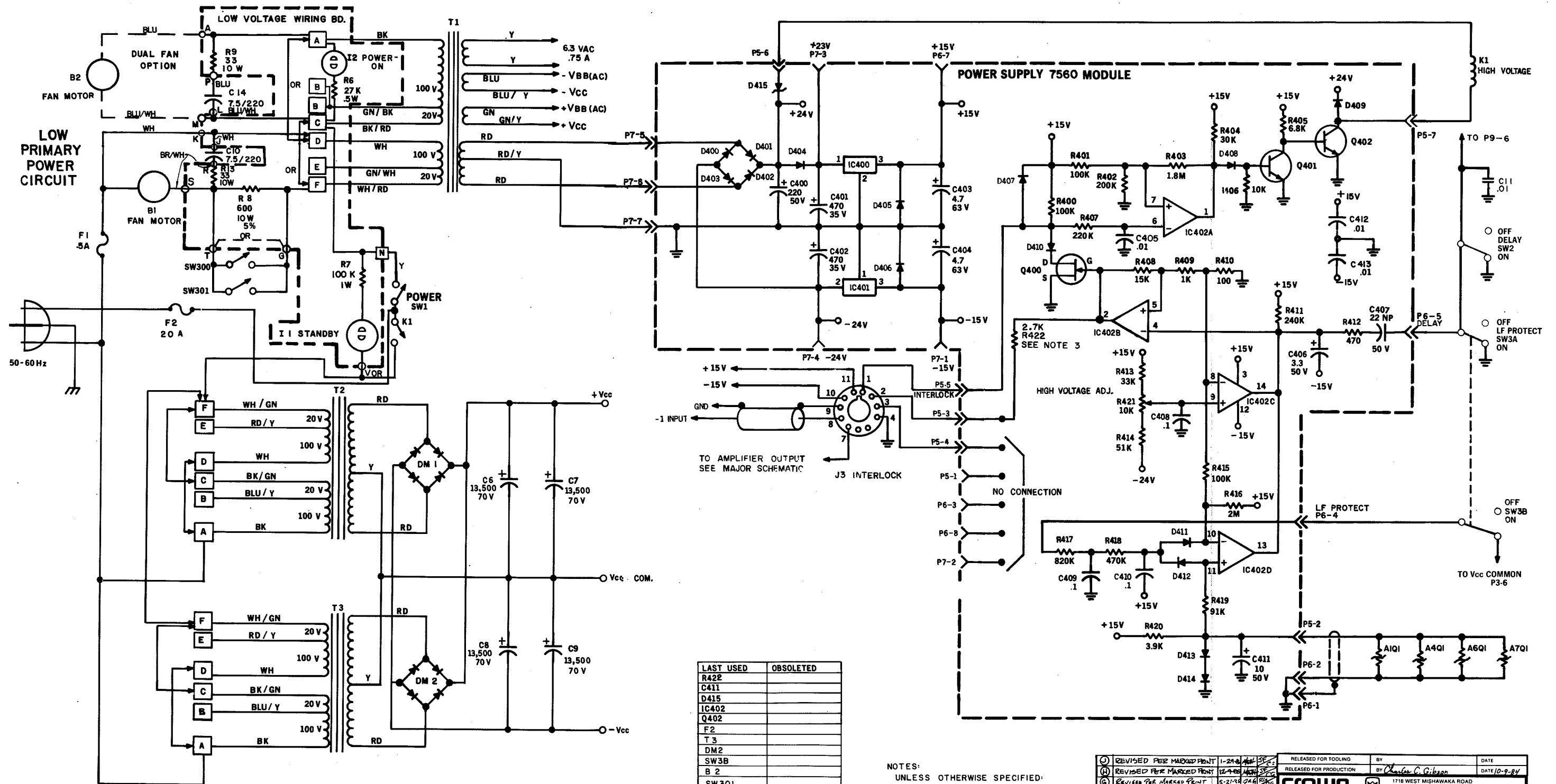
ZONE	REV	DESCRIPTION	DATE	BY	APP
(A)		REVISED AND REDRAWN	2/15/85	LCD	
(B)		REVISED TO APPLY TO BOTH 7560 AND 7570	7/15/85	GMS	
(C)		REVISED PER MARKED PRINT	1/9/87	JDM	
(D)		REVISED FOR 7564 OUTPUT TRANSISTOR	2-11-88	LCD	JF/DAVE
(E)		R134 WAS 200P C138 WAS .0247 C139 WAS 200P R174 WAS 1.2K ON OUTPUT C144 WAS 100K ADD R2 TO A1 & A8 A1 & A8 - R1 WAS 5	3-30-88	LCD	JF/DAVE
(F)					WENDES

TECHRON 1718 W. MISHAWAKA RD. ELKHART, INDIANA 46517

SCHEM. 7560/7570 MAJOR

DRAWN	LCD	2/15/85	SCALE	DO NOT SCALE PRINT
CHECKED	JF	2-12-88	PROJ D094	SUPERSEDES J011788 REV. D
APPROVED	DM	2-12-88	X-	C.P.N. REV
NEXT ASSEMBLY				J011788

Schematic, 7570 Main Amplifier



LAST USED	OBSOLETE
R42E	
C411	
D415	
IC402	
Q402	
F2	
T3	
DM2	
SW3B	
B2	
SW301	
C14	C12, 13

NOTES:
 UNLESS OTHERWISE SPECIFIED:
 1) ALL RESISTORS IN OHMS; ALL CAPACITORS IN MICROFARADS.
 2) ALL 1/4 WATT RESISTORS 5%.
 3) R422 USED ONLY ON SPECIAL ORDERS.

REVISED PER MARKED PRINT	1-21-81	RLH	SCALE	RELEASED FOR TOOLING	BY	DATE
REVISED PER MARKED PRINT	12-9-81	RLH		RELEASED FOR PRODUCTION	BY Charles C. Gibson	DATE 12-9-81
REVISED PER MARKED PRINT	5-21-82	JRF		CROWN. 1718 WEST MISHAWAKA ROAD, ELKHART, INDIANA 46517		
REV. PER MARKED PRINT	8-20-82	JRF		SCHEM, 7560 PWR SUP		
REV. PER MARKED PRINT	10-5-82	JRF		DRAWN	RLH 6-15-83	SCALE
REV. PER MARKED UP PRINT	1-15-83	DW	CG	CHECKED	FW 6-16-83	PROJ.
MOVED TO V FOR CLARITY	6-22-83	LS	JRF	APPROVED	RLH 7-7-83	SUPERSEDES J0053-9 2-14-83
ADD D415	6-15-83	RLH	JRF			J0053C3
REV. DESCRIPTION	DATE	BY	APP.			

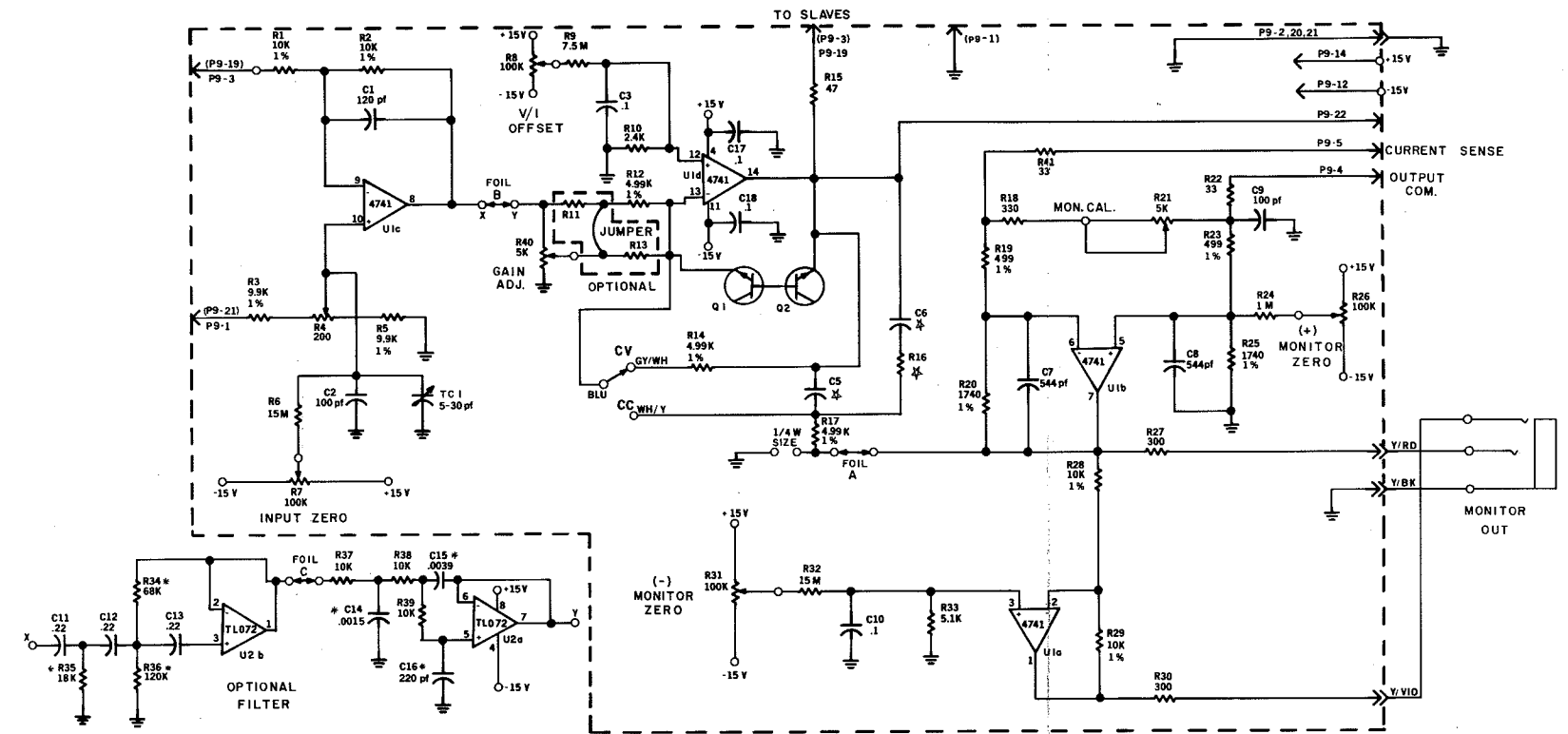
Schematic, 7570 Power Supply

NOTES:
UNLESS OTHERWISE SPECIFIED:
1) ALL RESISTORS IN OHMS & 5 %
2) ALL CAPACITORS IN MICROFARADS.

* COMPONENTS SELECTED BASED ON
LOAD COMPENSATION.

OUTPUT CURRENT MONITOR:
.1% 300Ω UNBALANCED
.2% 600Ω BALANCED

INPUT CONNECTOR OPTIONS:
STANDARD: BALANCED INPUT THROUGH
SCREW TERMINALS, SLAVE DRIVE
THROUGH BNC, USE PIN NUMBERS
SHOWN, WITHOUT BRACKETS.
OPTION 1: UNBALANCED INPUT THROUGH
BNC, SLAVE DRIVE THROUGH SCREW
TERMINALS, USE PIN NUMBERS
SHOWN IN BRACKETS.



LAST USED	DELETED
R 41	C4
C 18	
TC 1	
Q 2	
U 2	

R35 = $\frac{7184}{2 \times f_n C}$
R34 = $\frac{2820}{2 \times f_n C}$
R36 = $\frac{4941}{2 \times f_n C}$
C14 = $\frac{1.392}{2 \times f_n R}$
C15 = $\frac{3.546}{2 \times f_n R}$
C16 = $\frac{20.24}{2 \times f_n R}$
* VALUE OF C*, R* ARE FOR:
 $f_n = 30 \text{ Hz}$ & $f_c = 15 \text{ kHz}$

GAIN ADJUST OPTIONS

	R11	R13	JUMPER
D.C. COUPLED	N.C.	N.C.	
A.C. COUPLED	N.C.	N.C.	22nF
LIMITED ADJUST ISO	83K	N.C.	

(± 3 %)

P% = PERCENTAGE OF LIMITED GAIN ADJ.
R11 = P% × R12 EXAMPLE: 3% × .03
R13 = $\frac{R12}{2 R\%}$

Crown	
SCHEMATIC, CCM - 2	
Rev.	5-75-95 NONE
Checked	4-27-83 D053
Drawn	1-25-83
J 0085A9	

Schematic, 7570 Input Plug-In

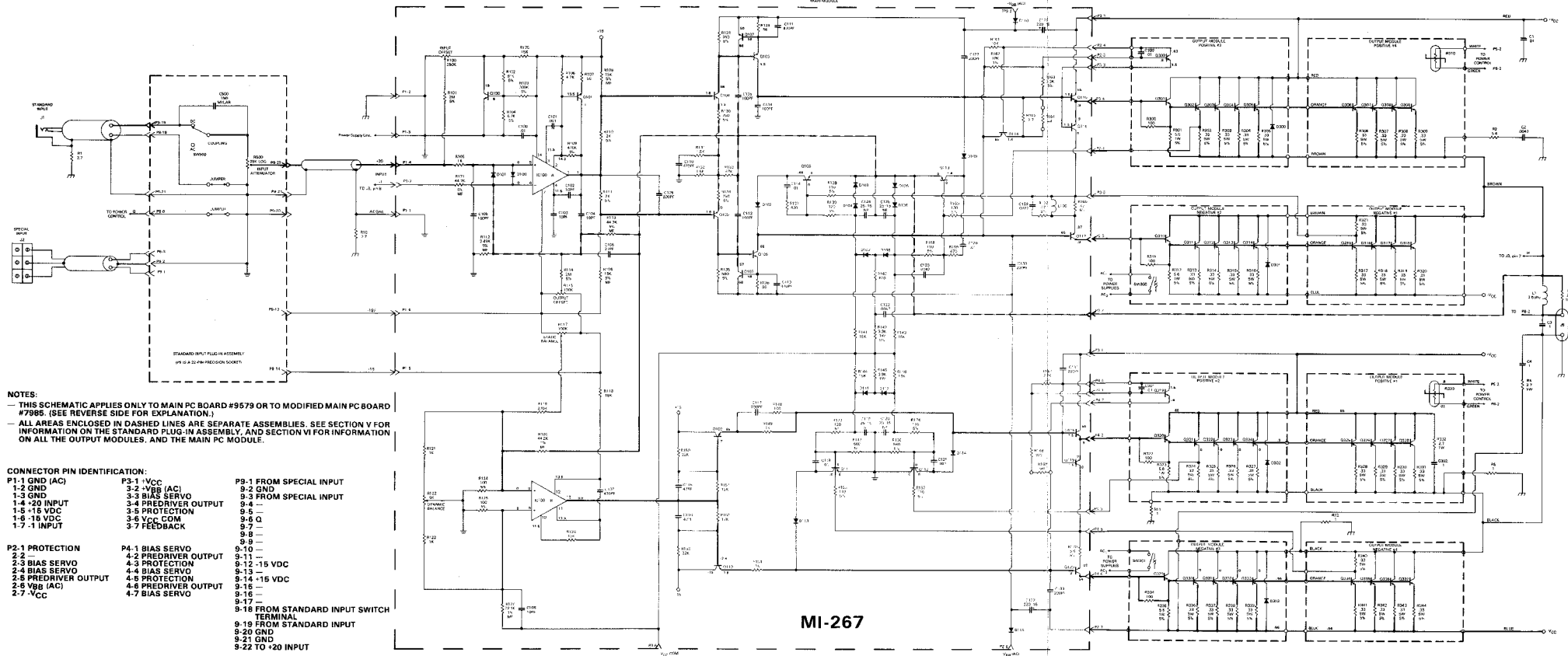
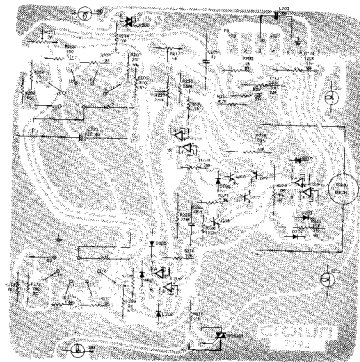
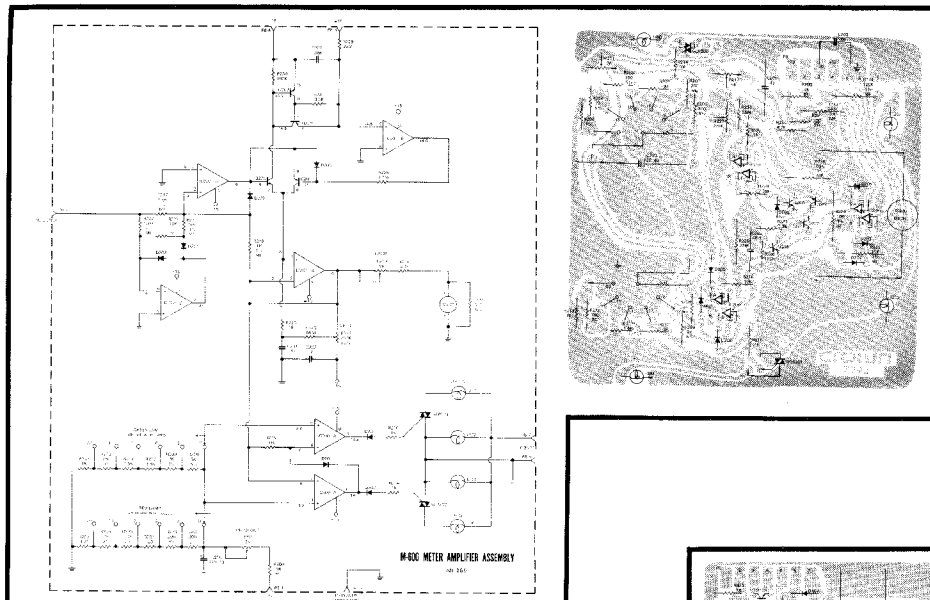


Fig. 4-2. M-600 Electrical Schematic Diagram

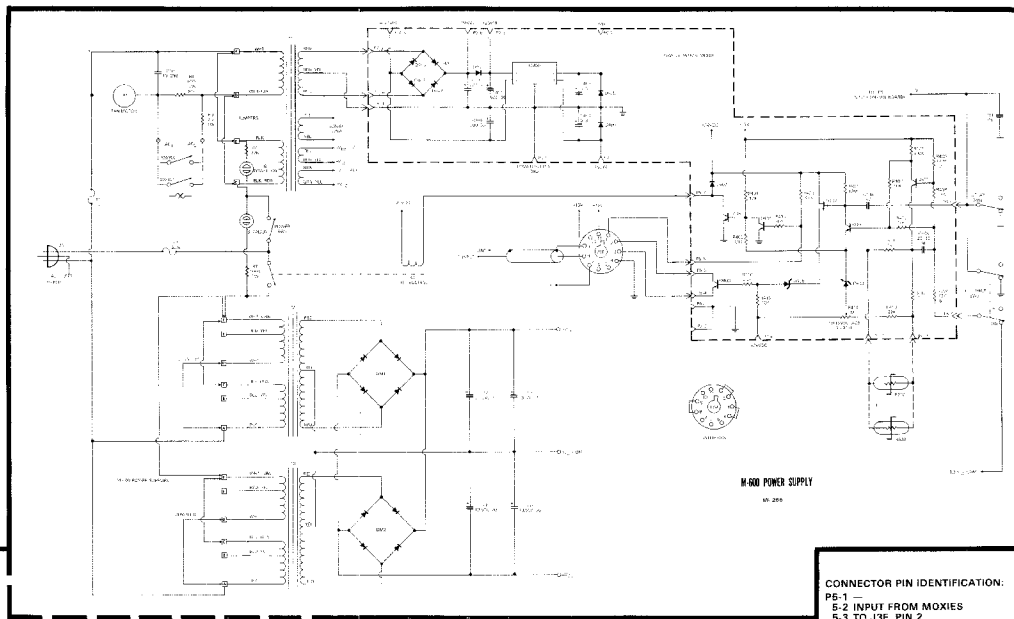
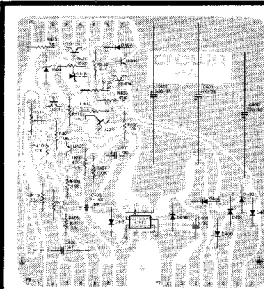


NOTES FOR METER AMPLIFIER:

1. SCHEMATIC MI-266 APPLIES ONLY TO PC BOARD #7994.
2. THE METER MODULE (7994), THE TWO ATTENUATOR SWITCHES, THE LAMPS, AND THE METER, ALL FORM THE METER AMPLIFIER ASSEMBLY.

CONNECTOR PIN IDENTIFICATION:

- P8-1 +23 VDC
 8-2 FROM OUTPUT
 8-3 -15 VDC
 8-4 +15 VDC
 8-5 GROUND
 8-6 6.3VAC/GND
 8-7 6.3 VAC



NOTES FOR POWER SUPPLIES:

1. SCHEMATIC MI-266 APPLIES ONLY TO PC BOARD #9570. SEE REVERSE SIDE FOR ADDITIONAL INFORMATION.
2. POWER SUPPLIES SHOWN ILLUSTRATE CPN 3819 AT T1, AND CPN 4004 AT T2, T3. ALL SUPPLIES ILLUSTRATE PROPER HOOK-UP FOR 120 VAC OPERATION. FOR OPERATION AT OTHER LINE VOLTAGES, SEE 3.5 CONNECTING POWER.
3. LOW VOLTAGE TRANSFORMER 4355 IS SHOWN AT LEFT. NOTE THE ADDITION OF 100V TAPS.
4. SCHEMATIC FOR 3435 TRANSFORMER IS IDENTICAL TO 4004 SHOWN, HOWEVER, THE 100V TAP BECOMES A 120V TAP, AND THE 120V TAP BECOMES A 126V TAP.
5. THERMAL SENSORS ARE MOUNTED ON OUTPUT BOARDS.
6. THERMAL SWITCHES ARE MOUNTED ON OUTPUT BOARDS.

CONNECTOR PIN IDENTIFICATION:

- P5-1 —
 5-2 INPUT FROM MOXIES
 5-3 TO J3F, PIN 2
 5-4 TO J3F, PIN 3
 5-5 TO J3F, PIN 1
 5-6 +24 VDC
 5-7 RELAY
 P6-1 GROUND
 6-2 INPUT FROM MOXIES
 6-3 —
 6-4 TO L.F. PROT. SWITCH
 6-5 TO DELAY SWITCH
 6-6 —
 6-7 -15 VDC
 P7-1 -15 VDC
 7-2 —
 7-3 +23 VDC
 7-4 -24 VDC
 7-5 33 VAC INPUT
 7-6 33 VAC INPUT
 7-7 GROUND

Fig. 4-5 Display Circuit Schematic Diagram

Fig. 4-4. M-600 Power Supply Schematic Diagram

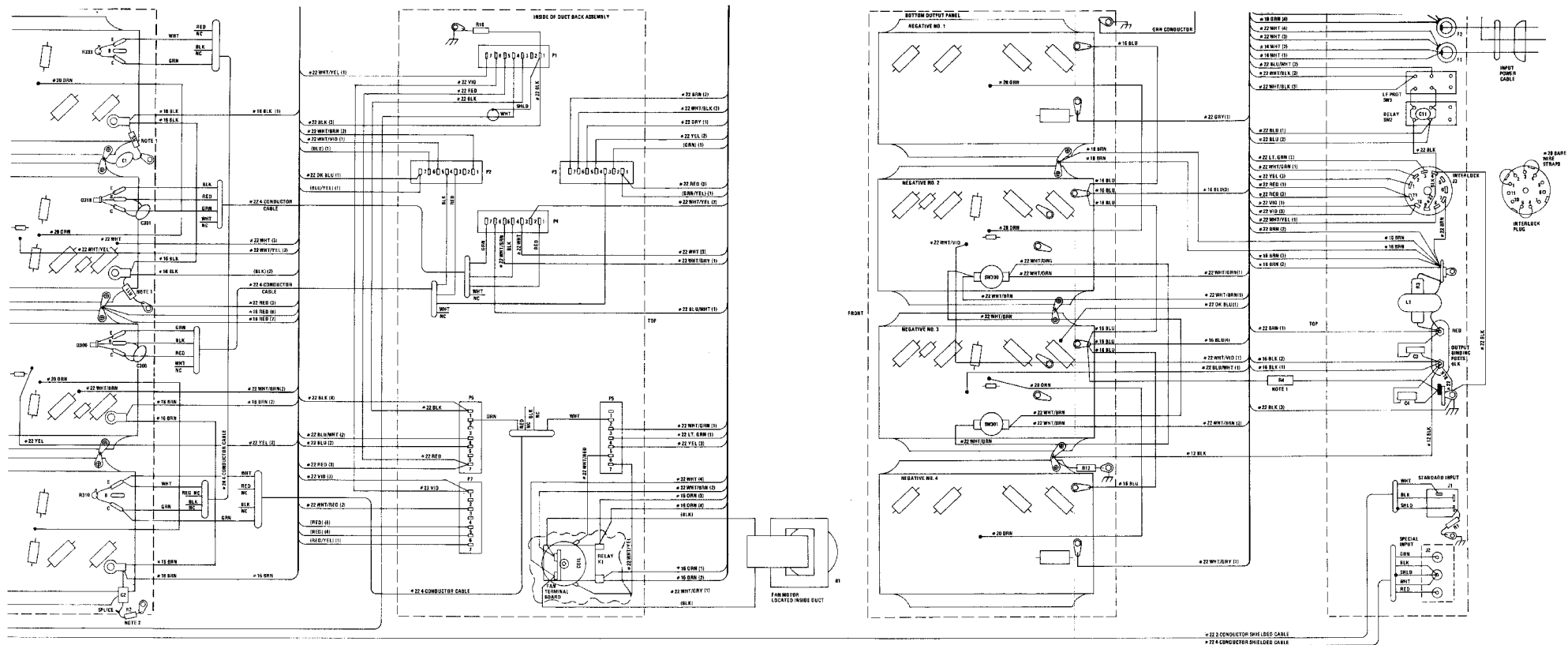


Fig. 7-2. Model M-600 Amplifier Wiring Diagram (Sheet 2 of 2)

6

5

4

C.P.N. J0709-6

REV A

2

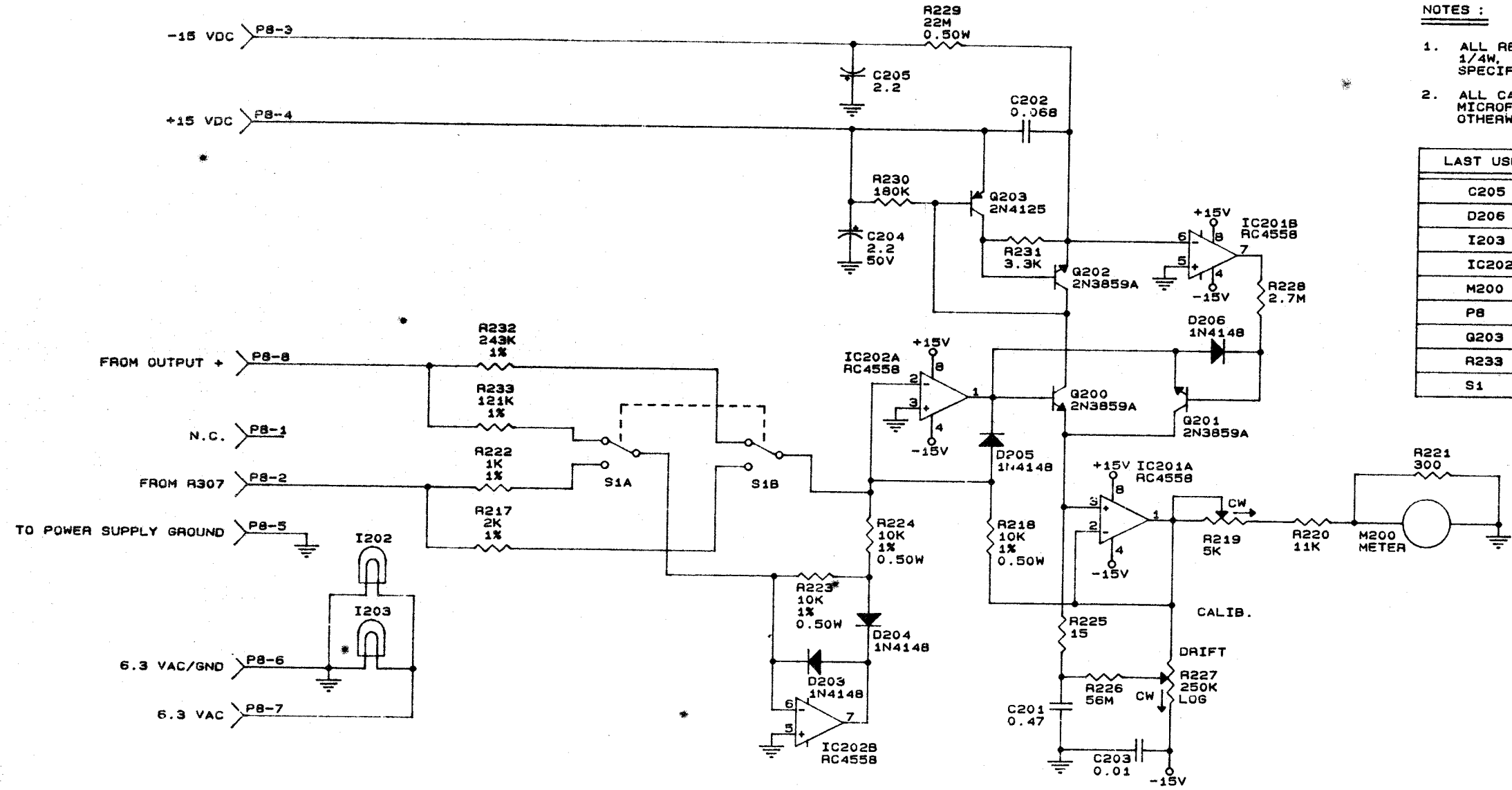
1

E.C.N.	ZONE	REV	DESCRIPTION	DATE	BY	APPROVALS			
						CK	ME	EE	PE
T95-0435	C5	A	R232 WAS: 681K IS: 243K, R233 WAS: 340K IS: 121K	12/19/95	CRB				

NOTES :

1. ALL RESISTORS ARE IN OHMS, 1/4W, 5% UNLESS OTHERWISE SPECIFIED.
2. ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

LAST USED	OBSOLETE
C205	C200
D206	D200 - D202
I203	I200, I201
IC202	IC200
M200	
P8	P1-P7
Q203	
R233	R200 - R216
S1	



CROWN INTERNATIONAL, INC.
 1718 WEST MISHAWAKA ROAD ELKHART, IN. 46517 PHONE (219) 294-8000

PEAK CURRENT METER SCHEMATIC

DRAWN	CRB	9-4-95	APPROVED BY :	DO NOT SCALE PRINT
CHECKED			ME	SUPSEDES
SCALE	NONE		EE	E.C.N.
PROJ #	T371		PE RM 11-09-95	C.P.N.
NEXT ASSEMBLY				J0709-6

REL FOR TOOLING	BY	DATE
REL FOR PROD	BY	DATE
AMPDESIGN		

6

5

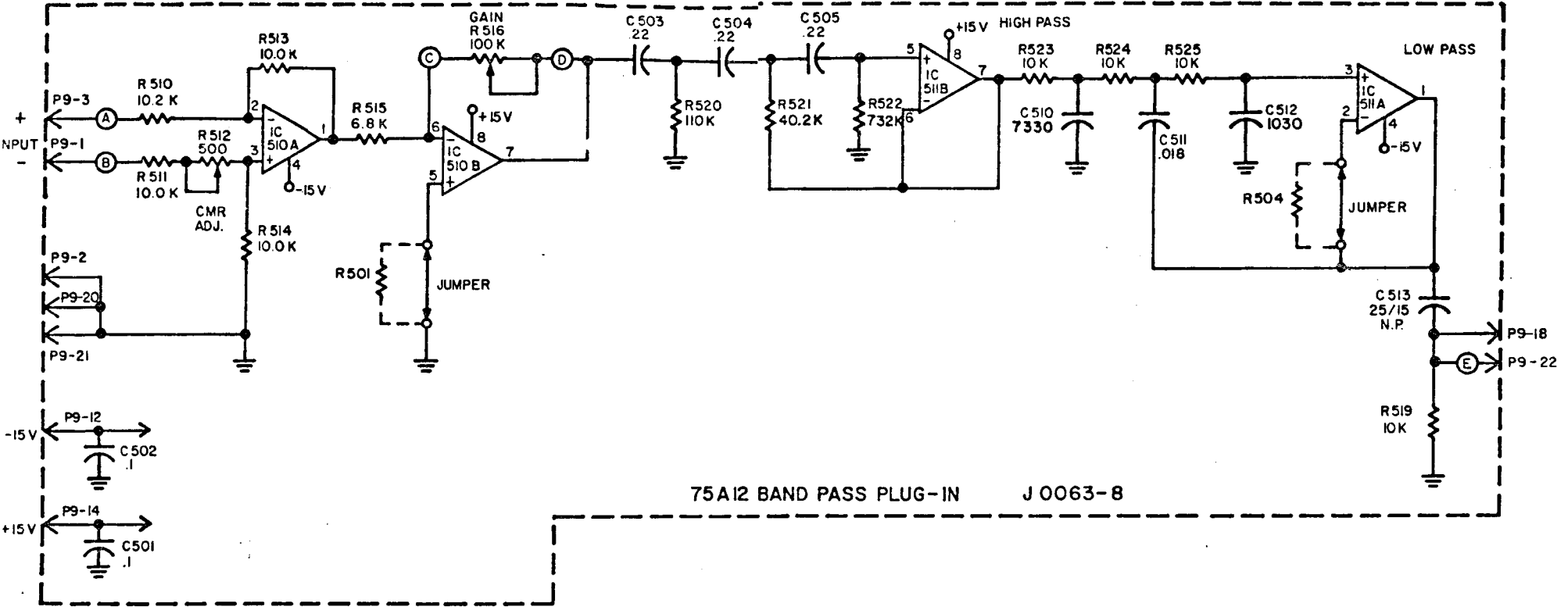
4

3

2

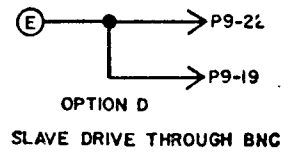
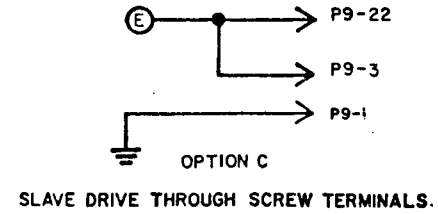
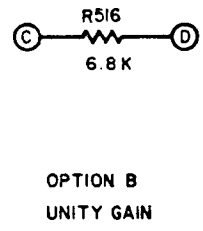
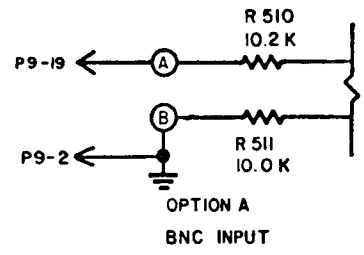
1

REV A

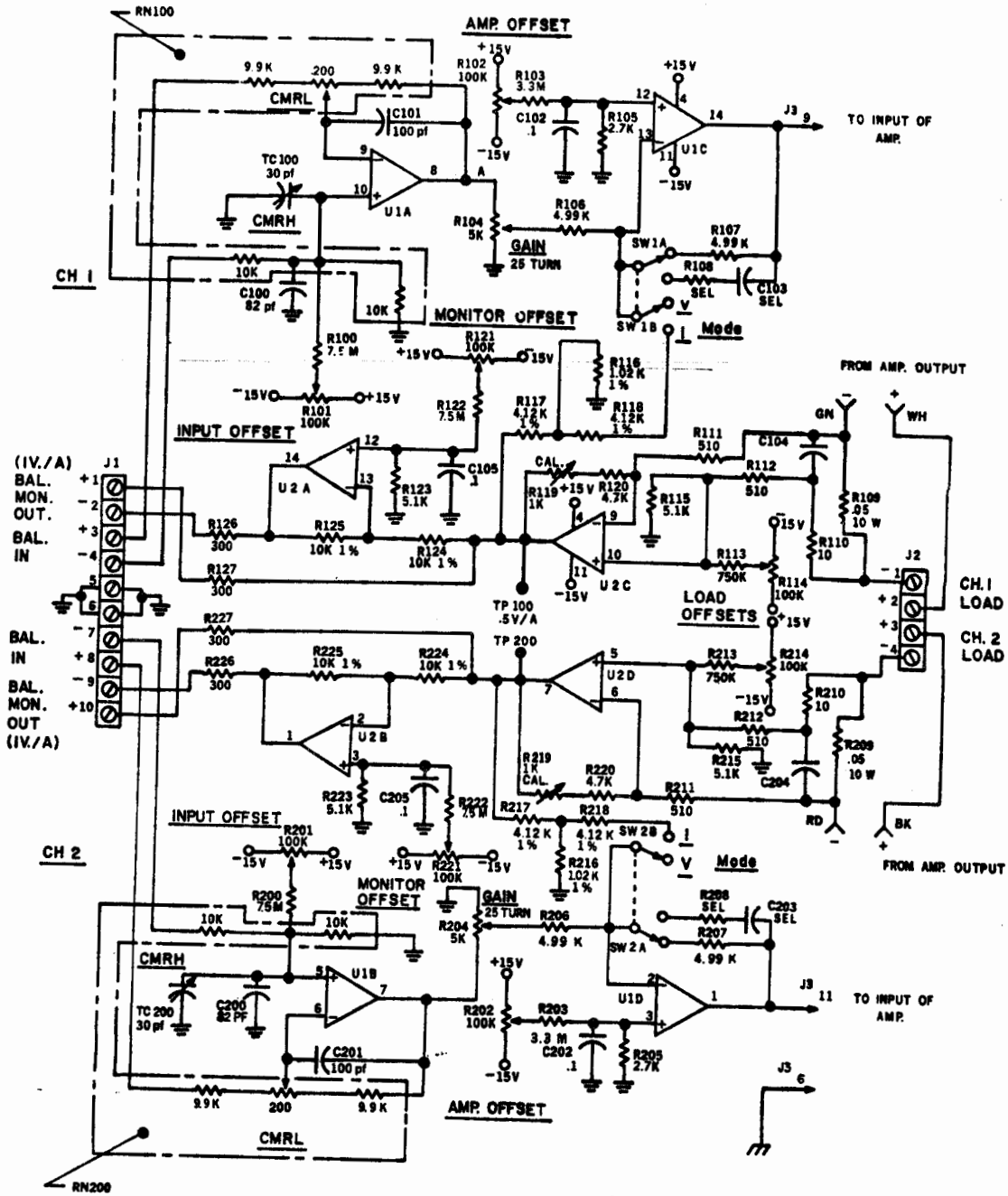


75A12 BAND PASS PLUG-IN J 0063-8

- NOTE:
- 1) IF OPTION "C" IS USED, OPTION "A" MUST ALSO BE USED.
 - 2.) TRACE BETWEEN (B) AND P9-1 CUT WITH OPTION "A".
 - 3.) ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
 - 4.) ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.



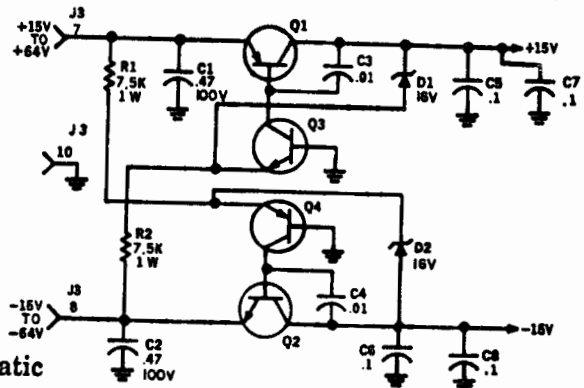
CROWN.		1718 WEST MISHAWAKA ROAD ELKHART INDIANA 46517		PHONE (219) 294-5571
75A12 BAND PASS PLUG-IN				
DRAWN D. WILSON	1-26-82	SCALE NONE		
CHECKED J. FLANNERY	4-5-83	PROJ D043	SUPERSEDES X825A 9-9-82	
APPROVED			J0063-8	



75A08 SCHEMATIC NOTES

- ALL RESISTORS ARE IN OHMS, ALL CAPACITORS IN MICROFARADS UNLESS OTHERWISE DESIGNATED.
- ALL RESISTORS ARE .25 WATT, 5% TOLERANCE UNLESS OTHERWISE DESIGNATED.
- COMPONENTS COMMON TO BOTH CHANNELS ARE NUMBERED FROM 1 TO 99.
- CHANNEL ONE COMPONENTS ARE NUMBERED FROM 100 TO 199.
- CHANNEL TWO COMPONENTS ARE NUMBERED FROM 200 TO 299.
- C104, C204 = LOAD RELATED PARTS (OPTIONAL).
- J3 = REAR PANEL II PIN "OCTAL" SOCKET.

75A08 Schematic



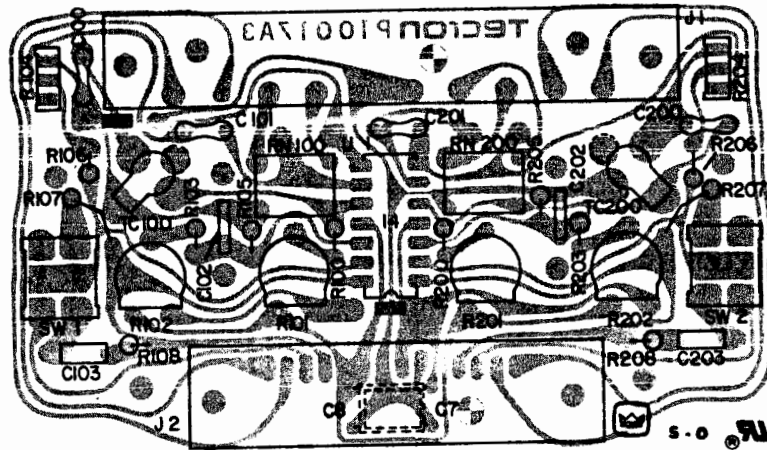


Illustration 5-2 75A08 Input Circuit Board

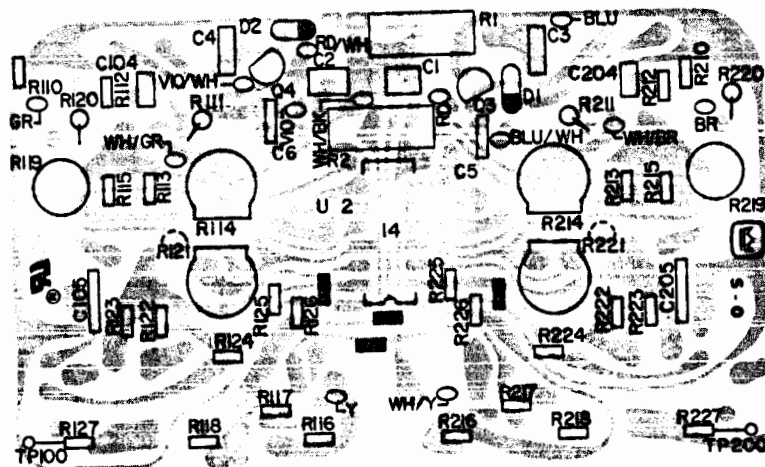


Illustration 5-3 75A08 Monitor Circuit Board