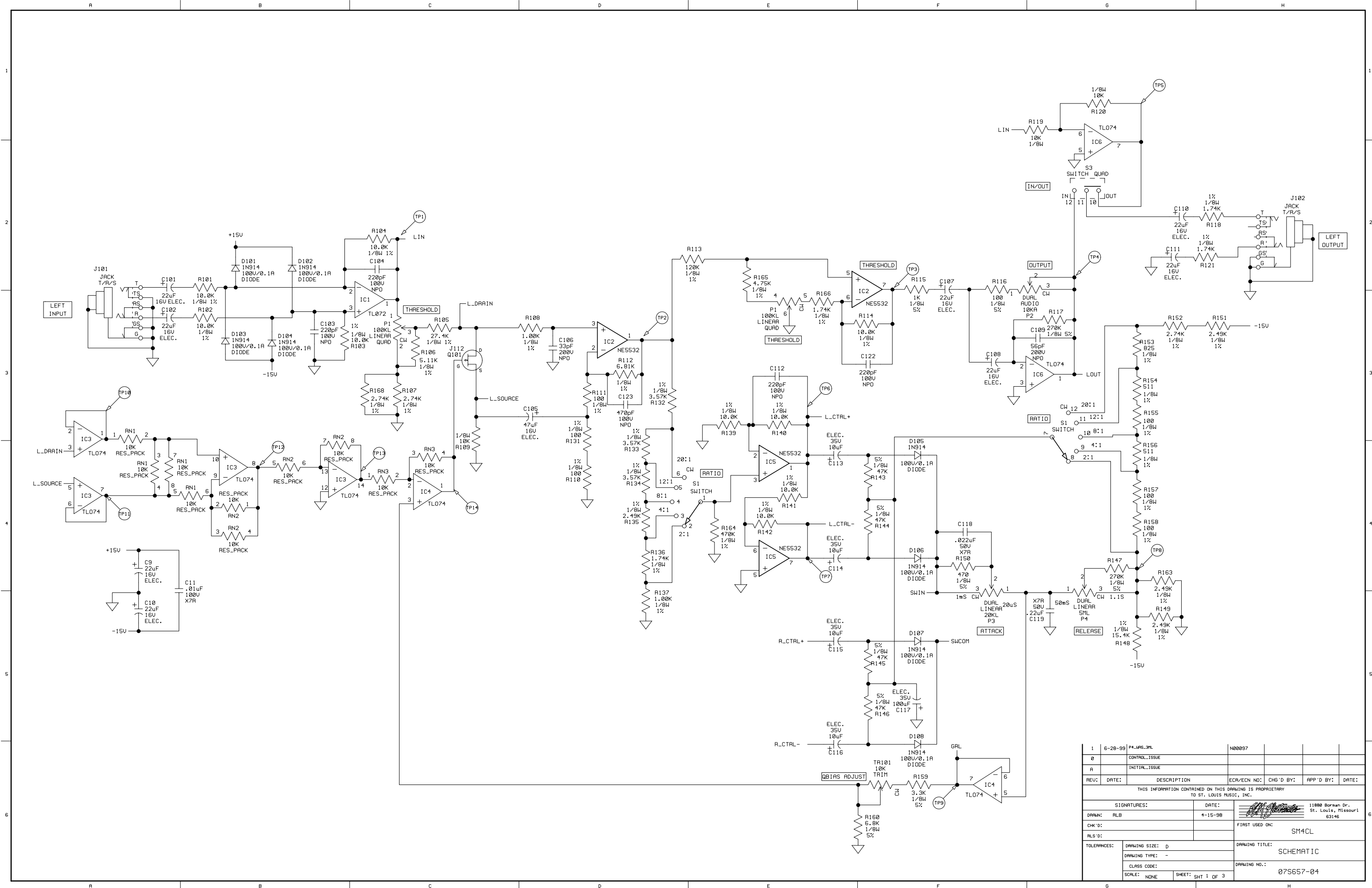
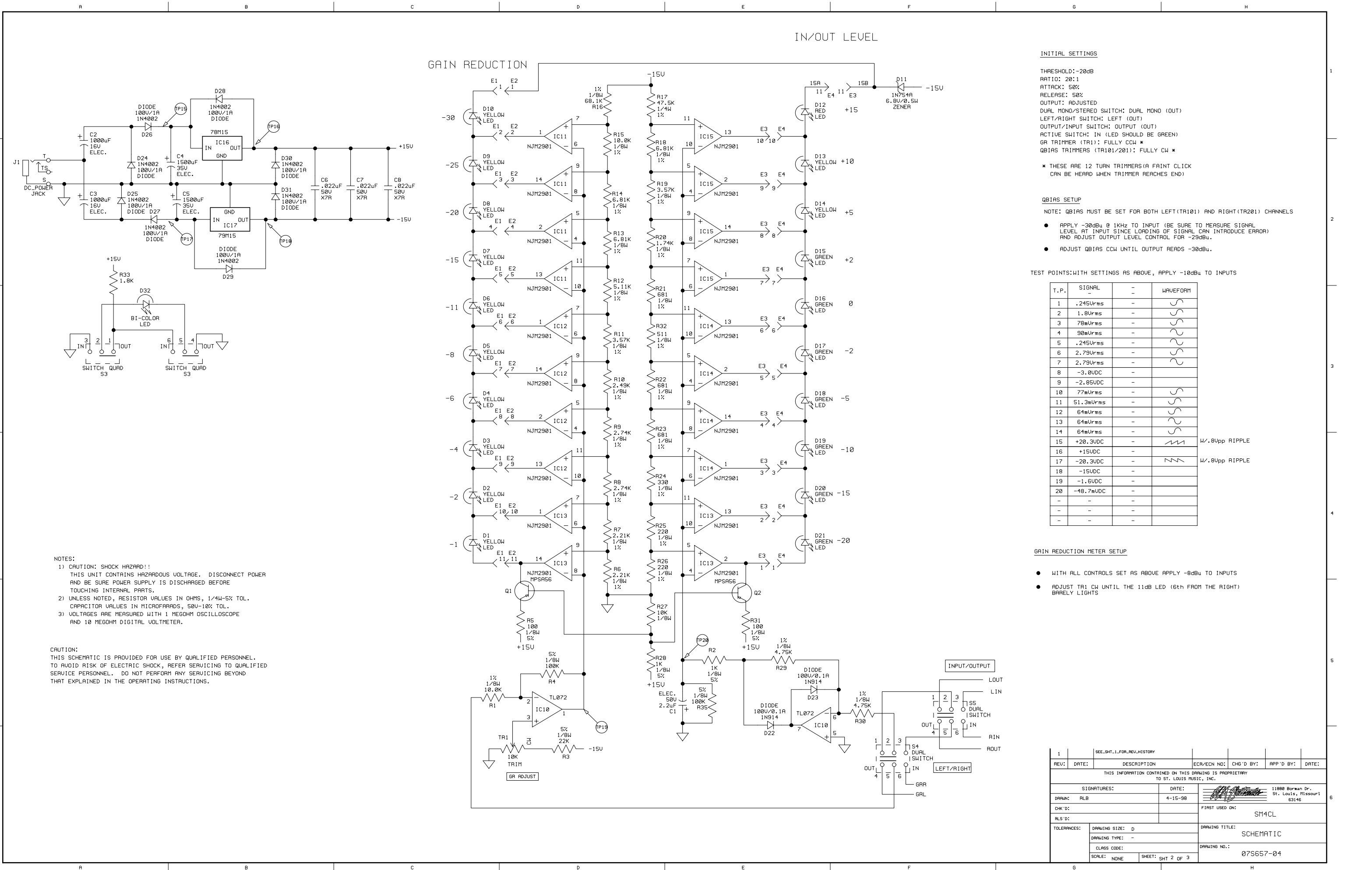




1	6-28-99	P4_WRS_2ML	NB0097			
0		CONTROL ISSUE				
A		INITIAL ISSUE				
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:	11888 Borman Dr. St. Louis, Missouri 63146			
DRAWN:	RLB	4-15-98				
CHK'D:			FIRST USED ON:			
RLS'D:			SM4CL			
TOLERANCES:		DRAWING SIZE: D	DRAWING TITLE: SCHEMATIC			
		DRAWING TYPE: -				
		CLASS CODE:	DRAWING NO.: 075657-04			
SCALE: NONE		SHEET: SHT 1 OF 3				



NOTES:

- 1) CAUTION: SHOCK HAZARD!!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLT METER.

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

INITIAL SETTINGS

THRESHOLD: -20dB
RATIO: 20:1
ATTACK: 50%
RELEASE: 50%
OUTPUT: ADJUSTED
DUAL MONO/STEREO SWITCH: DUAL MONO (OUT)
LEFT/RIGHT SWITCH: LEFT (OUT)
OUTPUT/INPUT SWITCH: OUTPUT (OUT)
ACTIVE SWITCH: IN (LED SHOULD BE GREEN)
GR TRIMMER (TR1): FULLY CCW *
QBIAS TRIMMERS (TR101/201): FULLY CW *

* THESE ARE 12 TURN TRIMMERS (A FAINT CLICK CAN BE HEARD WHEN TRIMMER REACHES END)

QBIAS SETUP

NOTE: QBIAS MUST BE SET FOR BOTH LEFT (TR101) AND RIGHT (TR201) CHANNELS

- APPLY -30dBu @ 1KHz TO INPUT (BE SURE TO MEASURE SIGNAL LEVEL AT INPUT SINCE LOADING OF SIGNAL CAN INTRODUCE ERROR) AND ADJUST OUTPUT LEVEL CONTROL FOR -29dBu.
- ADJUST QBIAS CCW UNTIL OUTPUT READS -30dBu.

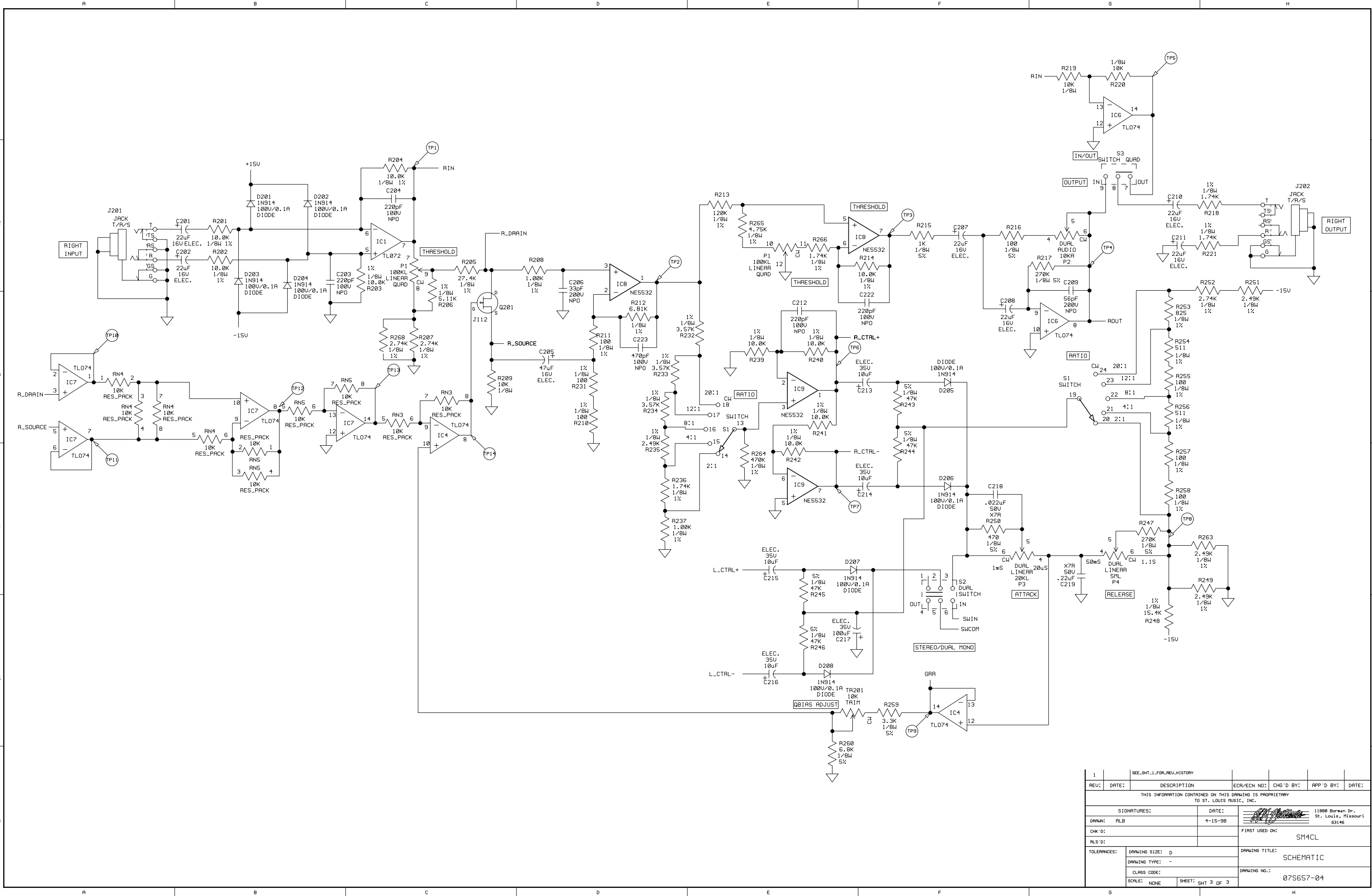
TEST POINTS: WITH SETTINGS AS ABOVE, APPLY -10dBu TO INPUTS

T. P.	SIGNAL	-	WAVEFORM
1	.245Vrms	-	
2	1.8Vrms	-	
3	78mVrms	-	
4	90mVrms	-	
5	.245Vrms	-	
6	2.79Vrms	-	
7	2.79Vrms	-	
8	-3.0VDC	-	
9	-2.85VDC	-	
10	77mVrms	-	
11	51.3mVrms	-	
12	64mVrms	-	
13	64mVrms	-	
14	64mVrms	-	
15	+20.3VDC	-	W/.8Vpp RIPPLE
16	+15VDC	-	
17	-20.3VDC	-	W/.8Vpp RIPPLE
18	-15VDC	-	
19	-1.6VDC	-	
20	-48.7mVDC	-	
-	-	-	
-	-	-	
-	-	-	

GAIN REDUCTION METER SETUP

- WITH ALL CONTROLS SET AS ABOVE APPLY -8dBu TO INPUTS
- ADJUST TR1 CW UNTIL THE 11dB LED (6th FROM THE RIGHT) BARELY LIGHTS

1	SEE_SHT_1 FOR REV HISTORY				
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY: DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.					
SIGNATURES:		DATE:	11880 Bowman Dr. St. Louis, Missouri 63146		
DRAWN:	ALB	4-15-98			
CHK'D:			FIRST USED ON:		
ALS'D:			SM4CL		
TOLERANCES:	DRAWING SIZE: D		DRAWING TITLE:		
	DRAWING TYPE: -		SCHEMATIC		
	CLASS CODE:		DRAWING NO.:		
	SCALE: NONE	SHEET: SHT 2 OF 3	07SG57-04		



1	SEE_SHT.1 FOR REV. HISTORY				
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY: DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.					
SIGNATURES:		DATE:	11888 Borman Dr. St. Louis, Missouri 63146		
DRAWN:	RLB	4-15-98			
CHK'D:			FIRST USED ON:		
RLS'D:			SM4CL		
TOLERANCES:		DRAWING SIZE: D	DRAWING TITLE:		
		DRAWING TYPE: -	SCHEMATIC		
		CLASS CODE:	DRAWING NO.:		
		SCALE: NONE	07S657-04		
		SHEET: SHT 3 OF 3			