

CIRCUIT NOTES:

FEATURE OR OPTION		PROVIDE		
		FIG.	APP OR WIR	QUANTITY
AMPLIFIER CIRCUIT		I		1 PER CKT
NOMINAL AC LINE VOLTAGE	110-120V		Z	
	120-130V		Y	

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD
I	X OR W	X	103	W		X

103. W OPTION IS FURNISHED IN KS-16617L1 AMPLIFIERS MANUFACTURED AFTER OCTOBER, 1959; THE DATE OF MANUFACTURE IS STAMPED ON THE WIRING SIDE OF THE CHASSIS IN THE LOWER LEFT CORNER.

EQUIPMENT NOTES:

201. WHEN SHIELDED CABLE IS FURNISHED FOR THE INPUT LEADS THE SHIELD SHALL BE TERMINATED AS SHOWN AT THE AMPLIFIER END ONLY.
202. WHEN REQUIRED, SHIELDED CABLE FOR THE OUTPUT LEADS SHALL BE SPECIFIED ON THE CONNECTING CIRCUIT.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICRO-MICROFARADS.
302. THE VOLTAGES SHOWN REPRESENT TYPICAL DC VALUES FOR A QUIESCENT CONDITION WITH AVERAGE ELECTRON TUBES AND NOMINAL LINE VOLTAGE. THE VOLTAGES ARE MEASURED FROM POINTS SHOWN TO GROUND TERMINAL 9 USING A VOLTMETER HAVING A RESISTANCE OF 10 MEGOHMS (MINIMUM).
303. THE INPUT AND OUTPUT TERMINAL NUMBERS FOR THE KS-16617L1 AMPLIFIER AND THE CORRESPONDING TERMINAL NUMBERS FOR THE KS-12081L4A AMPLIFIER WHICH IT REPLACES ARE AS FOLLOWS:

KS-16617, L1	KS-12081, L4A
1	26
2	27
3	1
4	2
5	5
6	6
7	7
8	10
9	13
10	-
11	-
12	-
13	21
14	22
17	20
18	19
19	18

304. CODE INFORMATION NOT SHOWN ON CKT IS AS FOLLOWS:

DESIG	DESCRIPTION	MFR
C1	0.15UF, 200V	CORNELL-DUBILIER
C2	1UF, 200V	
C3	0.05UF, 200V	
C4, C8	25UF, 6V	
C5	20/10/5 UF, 450/400/350V	SPRAGUE
C6	3000 UUF, 600V	
C7	220UUF, ± 10% 500V	CORNELL-DUBILIER
C9, C19	0.022UF, 400V	
C11	1000 UUF ± 20% 500V	SPRAGUE
C12	0.1UF, 400V	
C13, C14	0.25UF, 400V	CORNELL-DUBILIER
C15	25UF, 25V	
C16, C17	3000UUF, 1600V	
C18	0.047UF, 400V	
C20	6800UUF, ± 20% 500V	SPRAGUE
C22	20/20UF, 500V	
C24	20/20UF, 450V	LITTELFUSE
F1	2 AMP, DUAL ELEMENT	
R1, R3 ETC	SEE NOTE 305	RESISTOR
R2, R4	B-186486-5	
R36	B-186486-4	
R38	B-186486-3	
T1	B-187697	OBTAIN FROM WECO AS "PART OF KS-16617 AMPLIFIER"
T2	B-187698	
T3	B-187293-2	
T4	B-186489	
TB1	B-187303	TERM. BD ASSY
TB2	B-187305	
TB3	CAT. NO. 3-1M2-W	H.B. JONES
S1	3 AMP, 250V, SPST	
	CAT. NO. 8290K15	CUTLER-HAMMER

FIGURES AND OPTIONS ON THIS DWG	
CKT FIG.	APP OR WIRING
I	Z
	Y
	X
	W

HIGHEST RES AND CAP. USED ON THIS DRAWING	
R44	C24
NOT USED	
	C10
	C21
	C23

305. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/2W, HAVING RESISTANCE VALUES AS SHOWN ON THE CIRCUIT WITH ±10% TOLERANCE; THEY ARE COMPOSITION RESISTORS (ALLEN-BRADLEY EB(1/2W), GB(1W) OR HB(2W) OR EQUIVALENT) EXCEPT AS FOLLOWS:

R28 - ELECTROHM, C5 SERIES
R31, R32 - IRC, TYPE PW-10
R41 - OHMITE, TYPE ALBLO

WIRE WOUND RESISTORS

DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APPROV
1	1	4-28-59	WUG	WUG
2D	1 APPX ID	1-2-79	WUG	WUG

NOTICE
NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

THIS DRAWING NOT TO BE USED FOR MANUFACTURING PURPOSES

SD-95259-01 3N06
COMMON SYSTEMS
KS-16617 AMPLIFIER CIRCUIT
SPECIAL PURPOSE AMPLIFIER
FOR USE IN
MDF LOUDSPEAKER TELEPHONE SYSTEM

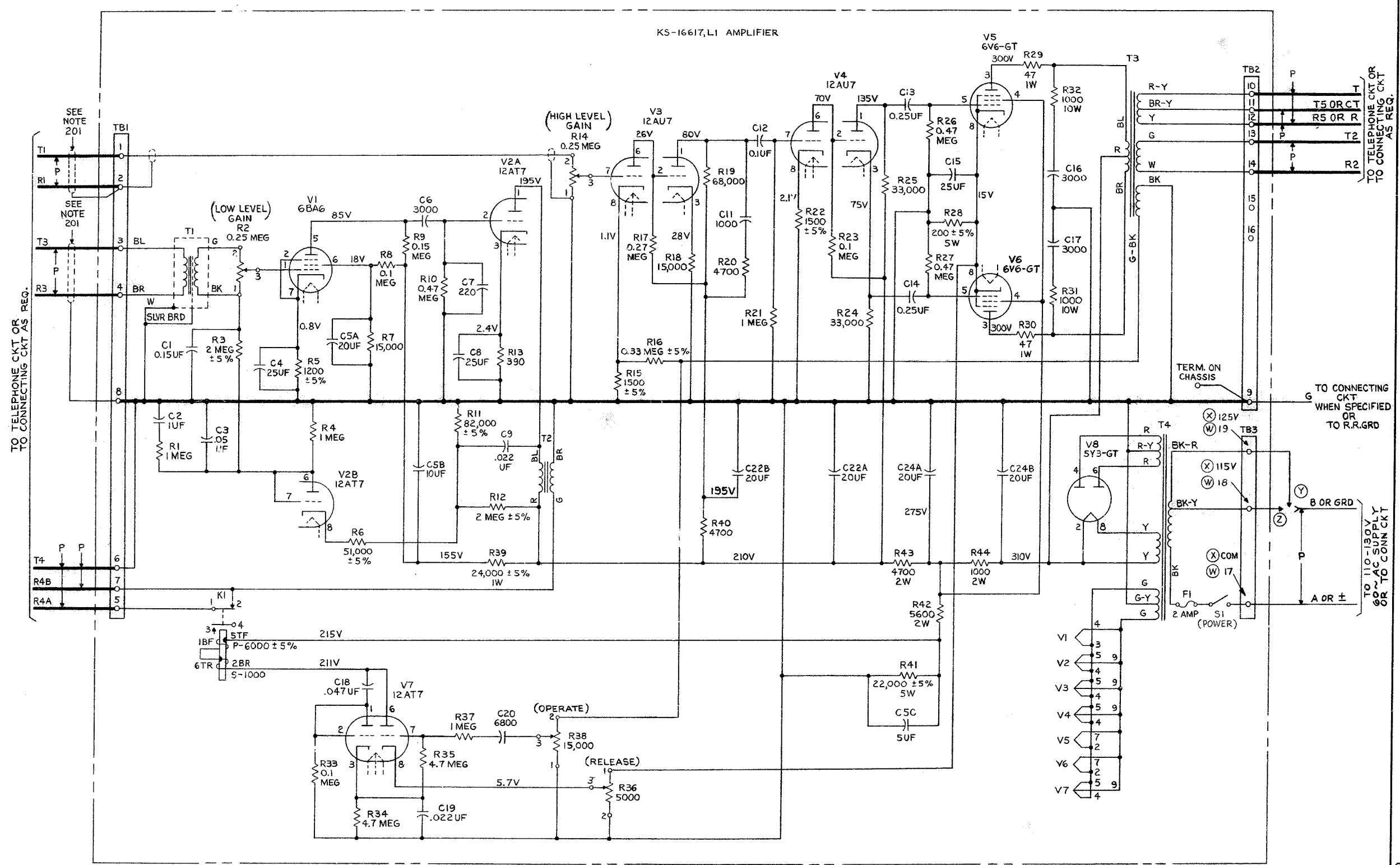
ISSUE 2D
MFR DISC

SD-95259-011
3. SHEETS

BELL TELEPHONE LABORATORIES INCORPORATED

DWG. SIZE 6S
PRINTED IN U.S.A.

KS-16617, L1 AMPLIFIER



[illegible]

DRAWING ISSUE		8M
1	13A 11/11	11/11
2D		Ho
KS-16617 AMPLIFIER CIRCUIT		SD-95259-013
BELL TELEPHONE LABORATORIES INCORPORATED		6S PRINTED IN U. S. A.