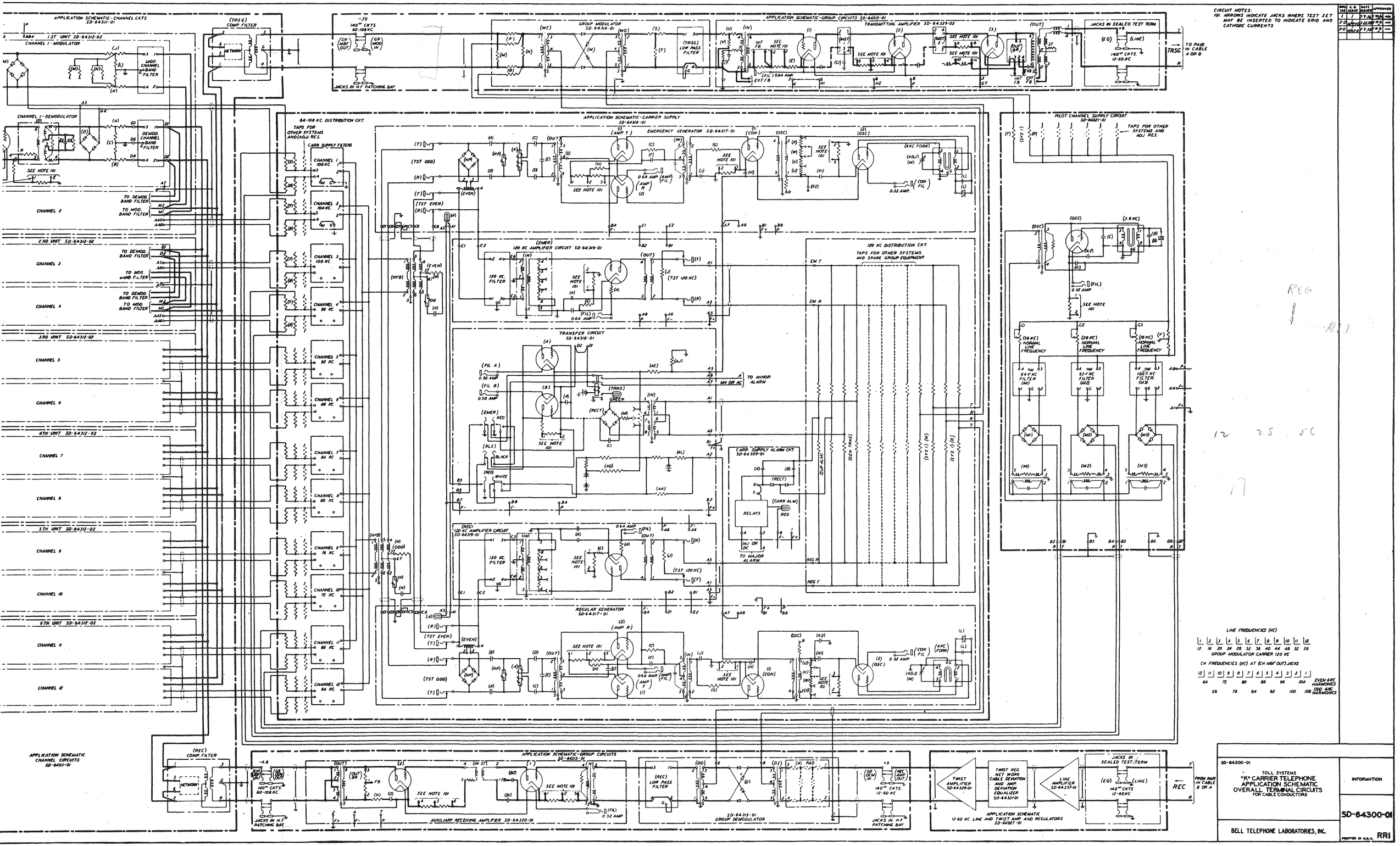

CIRCUIT NOTES:
101. ARROWS INDICATE JACKS WHERE TEST SET MAY BE INSERTED TO INDICATE GRID AND CATHODE CURRENTS

SYM. ISS.	C.S. ISSUE	DATE ISSUED	APPROVED
1	1	7-7-36	
2-D		7-22-36	
3-D		7-7-38	

SD-64300-01

TOLL SYSTEMS
"K" CARRIER TELEPHONE
APPLICATION SCHEMATIC
OVERALL TERMINAL CIRCUITS
FOR CABLE CONDUCTORS

INFORMATION

SD-64300-01

BELL TELEPHONE LABORATORIES, INC.

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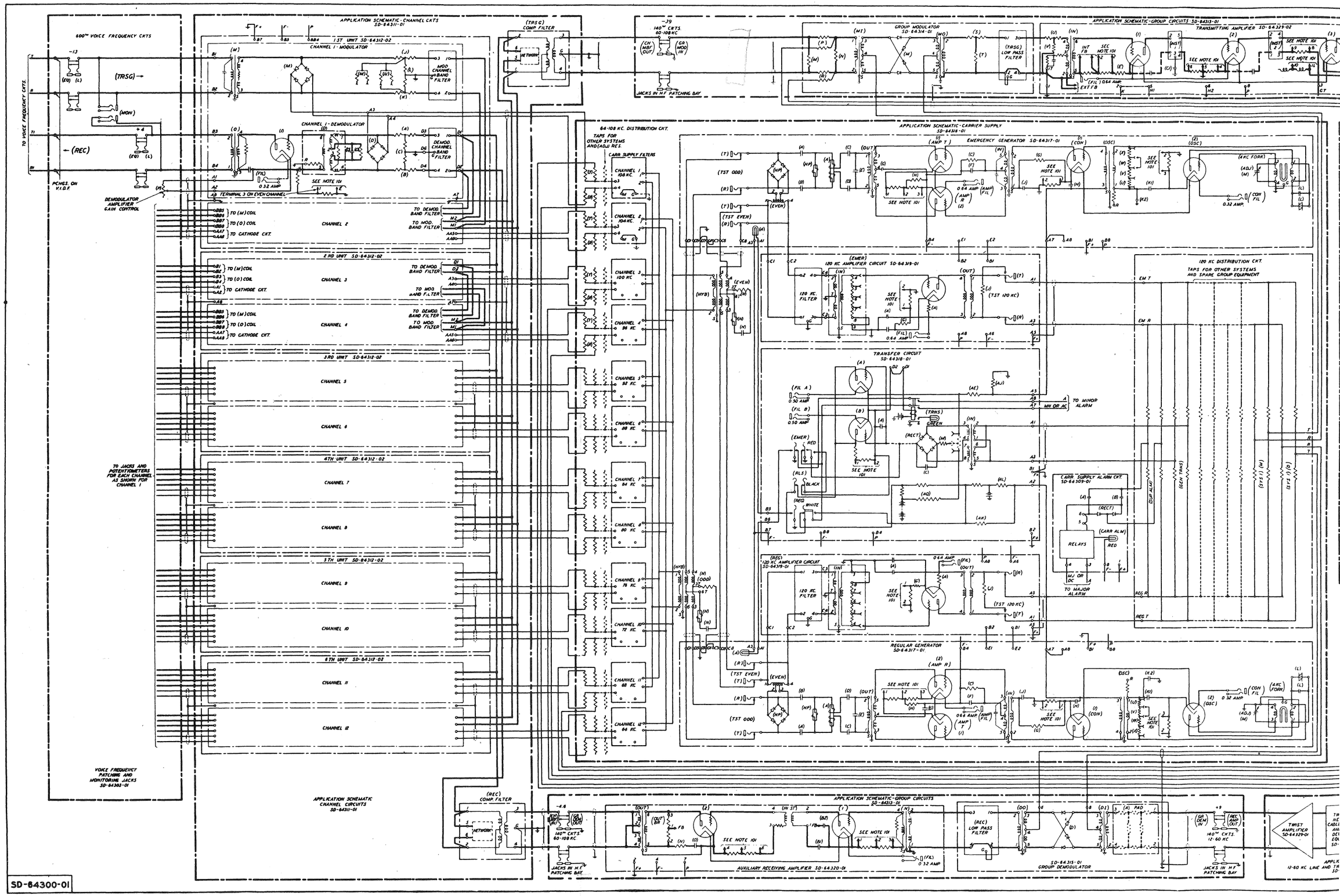
600™ VOICE FREQUENCY CKTS
TO VOICE FREQUENCY CKTS.
(TRSG)
(MON)
(REC)
PCHCS. ON V.F.B.F.
DEMODULATOR AMPLIFIER GAIN CONTROL
APPLICATION SCHEMATIC - CHANNEL CKTS SD-64311-01
1ST UNIT SD-64312-02
CHANNEL 1 - MODULATOR
CHANNEL 1 - DEMODULATOR
MOD. CHANNEL BAND FILTER
DEMOD. CHANNEL BAND FILTER
SEE NOTE 101
0.32 AMP
A9 TERMINAL 3 ON EVEN CHANNEL
TO (M) COIL
TO (O) COIL
TO CATHODE CKT.
CHANNEL 2
TO DEMOD. BAND FILTER
TO MOD. BAND FILTER
2ND UNIT SD-64312-02
CHANNEL 3
CHANNEL 4
3RD UNIT SD-64312-02
CHANNEL 5
CHANNEL 6
4TH UNIT SD-64312-02
CHANNEL 7
CHANNEL 8
5TH UNIT SD-64312-02
CHANNEL 9
CHANNEL 10
6TH UNIT SD-64312-02
CHANNEL 11
CHANNEL 12
TO JACKS AND POTENTIOMETERS FOR EACH CHANNEL AS SHOWN FOR CHANNEL 1
VOICE FREQUENCY PATCHING AND MONITORING JACKS SD-64300-01
APPLICATION SCHEMATIC CHANNEL CIRCUITS SD-64311-01
(TRSG) COMP. FILTER
140™ CKTS 60-108 KC
(CH MOD OUT)
(GR MOD IN)
JACKS IN H.F. PATCHING BAY
GROUP MODULATOR SD-64314-01
(TRSG) LOW PASS FILTER
APPLICATION SCHEMATIC-GROUP CIRCUITS SD-64313-01
TRANSMITTING AMPLIFIER SD-64329-02
INT FB
SEE NOTE 101
(FIL) 0.64 AMP
EXT FB
64-108 KC. DISTRIBUTION CKT.
TAPS FOR OTHER SYSTEMS AND (ADJ) RES.
CARR SUPPLY FILTERS
CHANNEL 1 108 KC
CHANNEL 2 104 KC
CHANNEL 3 100 KC
CHANNEL 4 96 KC
CHANNEL 5 92 KC
CHANNEL 6 88 KC
CHANNEL 7 84 KC
CHANNEL 8 80 KC
CHANNEL 9 76 KC
CHANNEL 10 72 KC
CHANNEL 11 68 KC
CHANNEL 12 64 KC
APPLICATION SCHEMATIC-CARRIER SUPPLY SD-64316-01
EMERGENCY GENERATOR SD-64317-01
(TST ODD)
(TST EVEN)
(AMP T)
(AMP R)
(CON)
(OSC)
(4KC FORK)
(ADJ)
(CON FIL)
0.32 AMP.
120 KC AMPLIFIER CIRCUIT SD-64319-01
120 KC. FILTER
(TST 120 KC)
TRANSFER CIRCUIT SD-64318-01
(FIL A) 0.50 AMP
(FIL B) 0.50 AMP
(EMER) RED
(RLS) BLACK
(REG) WHITE
(TRNS) GREEN
(RECT)
TO MINOR ALARM
MN OR AC
CARR. SUPPLY ALARM CKT. SD-64309-01
RELAYS
(CARR ALM) RED
MJ OR DC
TO MAJOR ALARM
120 KC DISTRIBUTION CKT.
TAPS FOR OTHER SYSTEMS AND SPARE GROUP EQUIPMENT
EM T
EM R
REG T
REG R
(REG) 120 KC AMPLIFIER CIRCUIT SD-64319-01
REGULAR GENERATOR SD-64317-01
(REC) COMP. FILTER
NETWORK
140™ CKTS 60-108 KC
JACKS IN H.F. PATCHING BAY
AUXILIARY RECEIVING AMPLIFIER SD-64320-01
(REC) LOW PASS FILTER
SD-64315-01 GROUP DEMODULATOR
140™ CKTS 12-60 KC
TWIST AMPLIFIER SD-64329-01
12-60 KC LINE AND TR

SD-64300-01