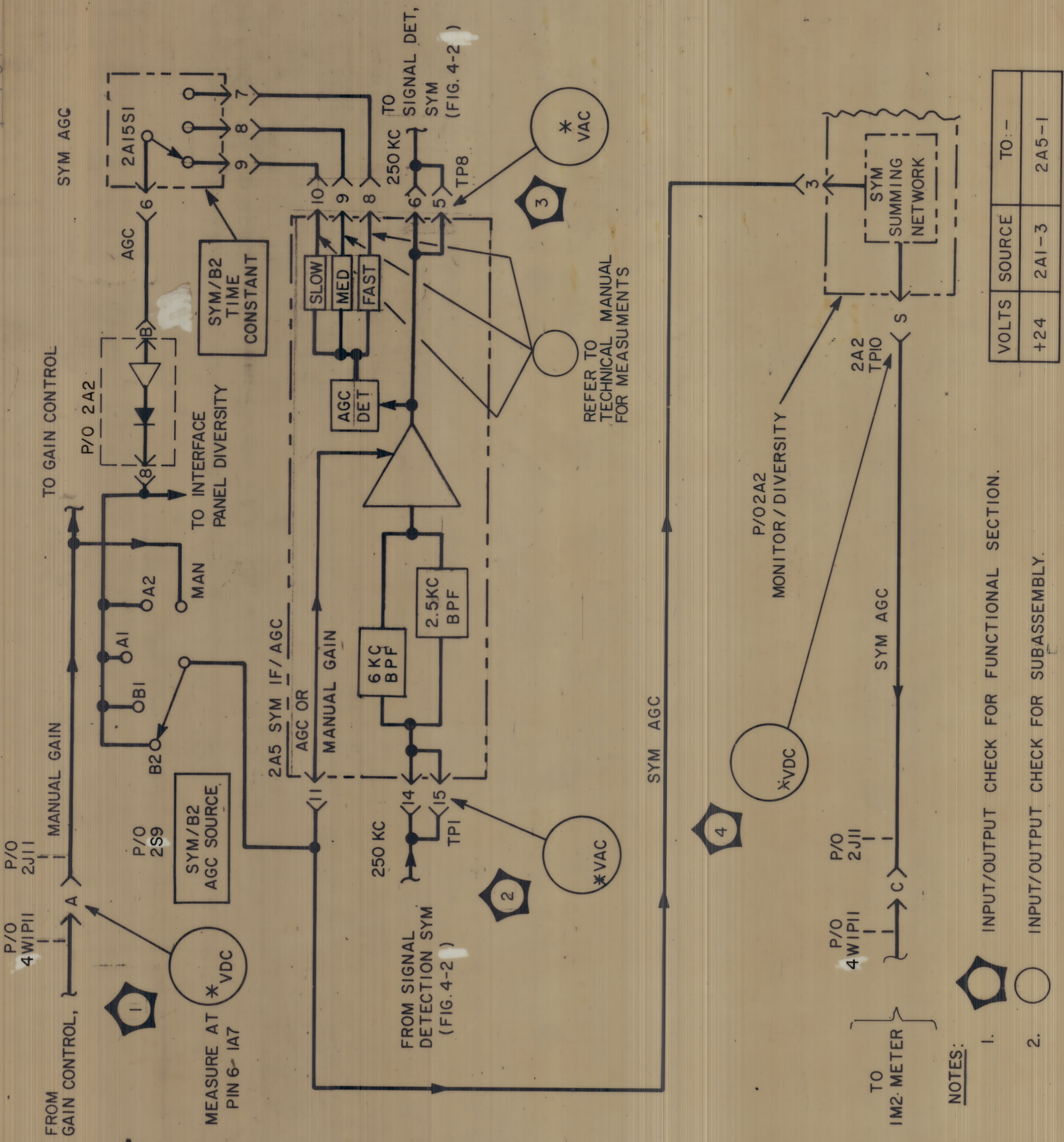


ZONE	LTR	DESCRIPTION	DATE	MINNO	DRAFT	CHKD	APPD
		EXP. RELEASE	3-15-70				
	XI	REVISED & UPDATED	12-15-70				
	Q	ORIGINAL RELEASE FOR PRODUCTION	12-15-70				

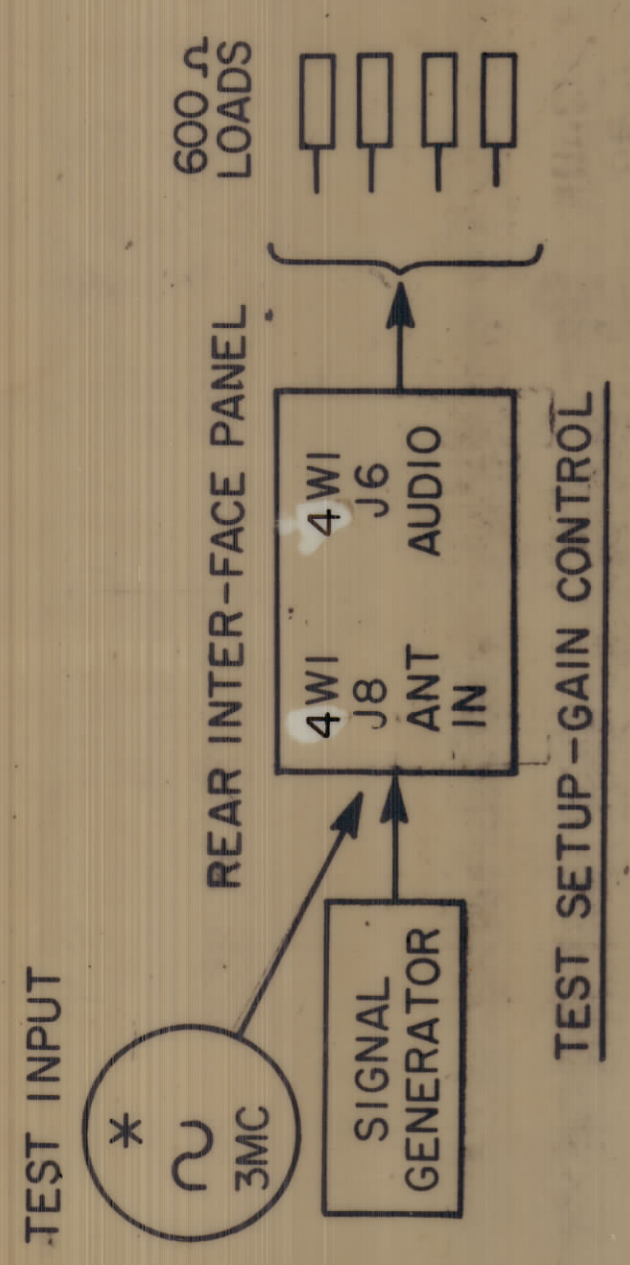


VOLTS	SOURCE	TO:-
+24	2A1-3	2A5-1

- NOTES:
1. INPUT/OUTPUT CHECK FOR FUNCTIONAL SECTION.
 2. INPUT/OUTPUT CHECK FOR SUBASSEMBLY.

* SIGNAL VARIATIONS

TEST	3MC TEST INPUT (MV)	1 VDC	2 RMS	3 76mV	4 VDC
A AGC (MIN SIGNAL)	1uV	—	1mV	76mV	OV
B AGC (MAX SIGNAL)	IV	—	200mV	100mV	-2V
C MANUAL GAIN (MIN)	500uV	+2.4V	5mV	76mV	—
D MANUAL GAIN (MAX)	500uV	OV	2V	410mV	—

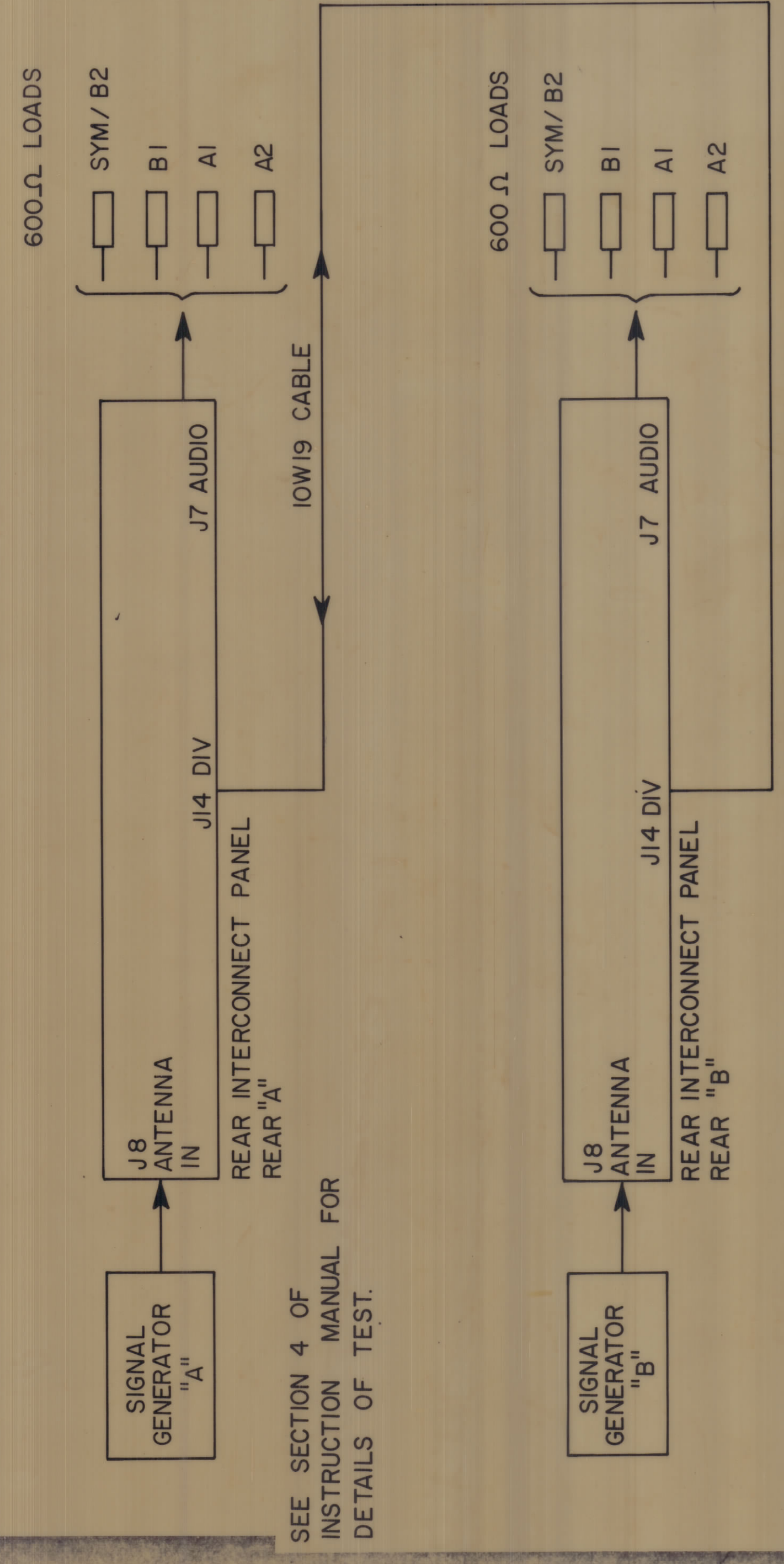


MODULAR UNIT	CONTROL	POSITION
TN-512/URR	ATTENUATOR SWITCH	OFF(DOWN)
(OR TN-525/FAR)	RF GAIN KNOB(TESTA,B)	— AGC
"	" (TEST C)	— FULLY CCW
"	" (TEST D)	— FULLY CW
"	SILENCER SWITCH	— OFF(DOWN)
"	POWER SWITCH	— ON
"	FUNCTION SWITCH	— LOCAL
"	COUNTER MODE SWITCH	— REC
"	BAND SWITCH	— 2-4
"	TUNE AND FINE TUNE	—
"	KNOBS	— TO OBTAIN 3.0000 ON MEGACYCLES DISPLAY
"	METER FUNCTION SWITCH	— R F LOW
"	METER SENSITIVITY SWITCH	— 0
TD-915/URR	SYM/B2 AGC SOURCE	(TESTS A,B) — B2
(OR TD-969/FRR)	"	(TESTS C,D) — MAN
"	B,A1,A2, AGC SOURCE SWITCH	— OPTIONAL
"	MODE SWITCH	— AM6KC
"	POWER SWITCH	— ON
"	SYM/B2 LINE LEVEL ADJ	—
"	KNOB	— * *
"	B1,A1,A2, LINE LEVEL ADJ	—
"	KNOBS	— OPTIONAL
"	SYM/B2 AGC TIME CONSTANT	—
"	SWITCH	— SLOW
"	B1,A1,A2, AGC TIME CONSTANT	—
"	SWITCHES	— OPTIONAL
O-1511/URR	POWER SWITCH	— OFF

* * SET MONITOR SELECTOR SWITCH AT SYM AND ADJUST KNOB FOR "0 DBM" ON LINE-DBM METER.

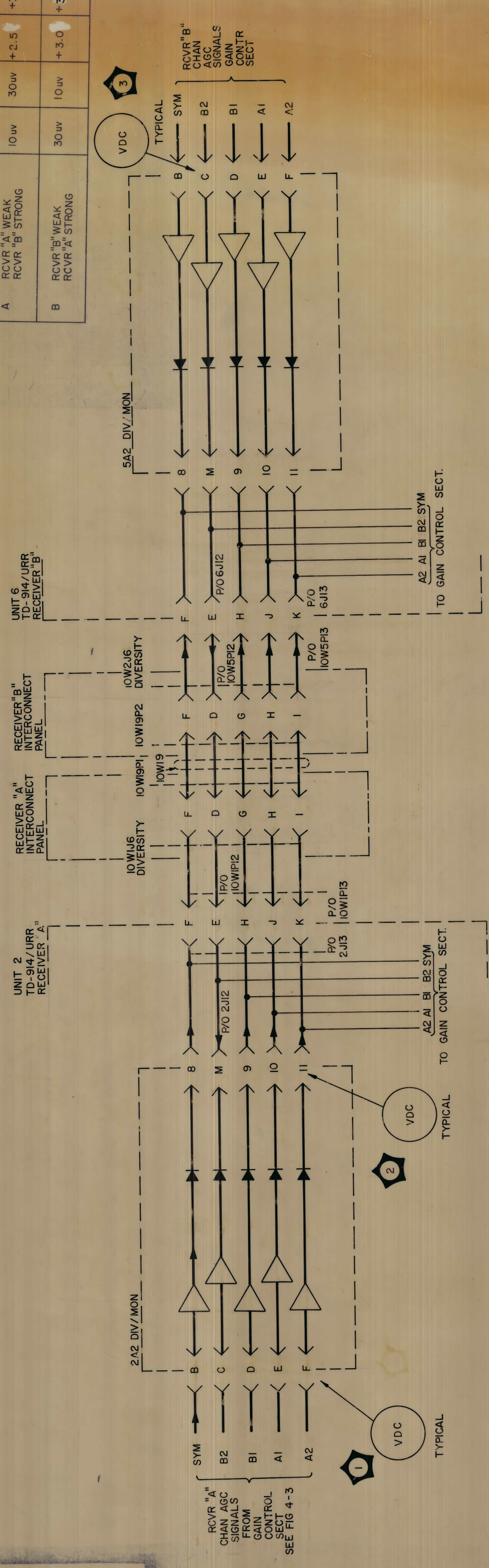
QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
			LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK, NEW YORK	
			SERVICING BLOCK DIAGRAM	
			GAIN CONTROL (SYMMETRICAL)	
			AN/URR-64	
			FIG. 4-5	
			SIZE CODE IDENT NO. DWG NO.	
			82679	
			CK 1675	
			ISSUE	
			SHEET 1 OF 5	

REVISIONS				
ZONE	TR	DESCRIPTION	DATE	BY
1	1	ORIGINAL	11/1/54	1
2	1	REVISION	11/1/54	1
3	1	REVISION	11/1/54	1



* SIGNAL VARIATIONS

TEST	SIGNAL GEN "A"	SIGNAL GEN "B"	(VDC)	(VDC)	(VDC)
A	RCVR "A" WEAK RCVR "B" STRONG	10 uv	30 uv	+2.5	+3.0V
B	RCVR "B" WEAK RCVR "A" STRONG	30 uv	10 uv	+3.0	+2.5V



TEST SETUP-DIVERSITY QUIETER
CONTROL POSITION FOR TEST

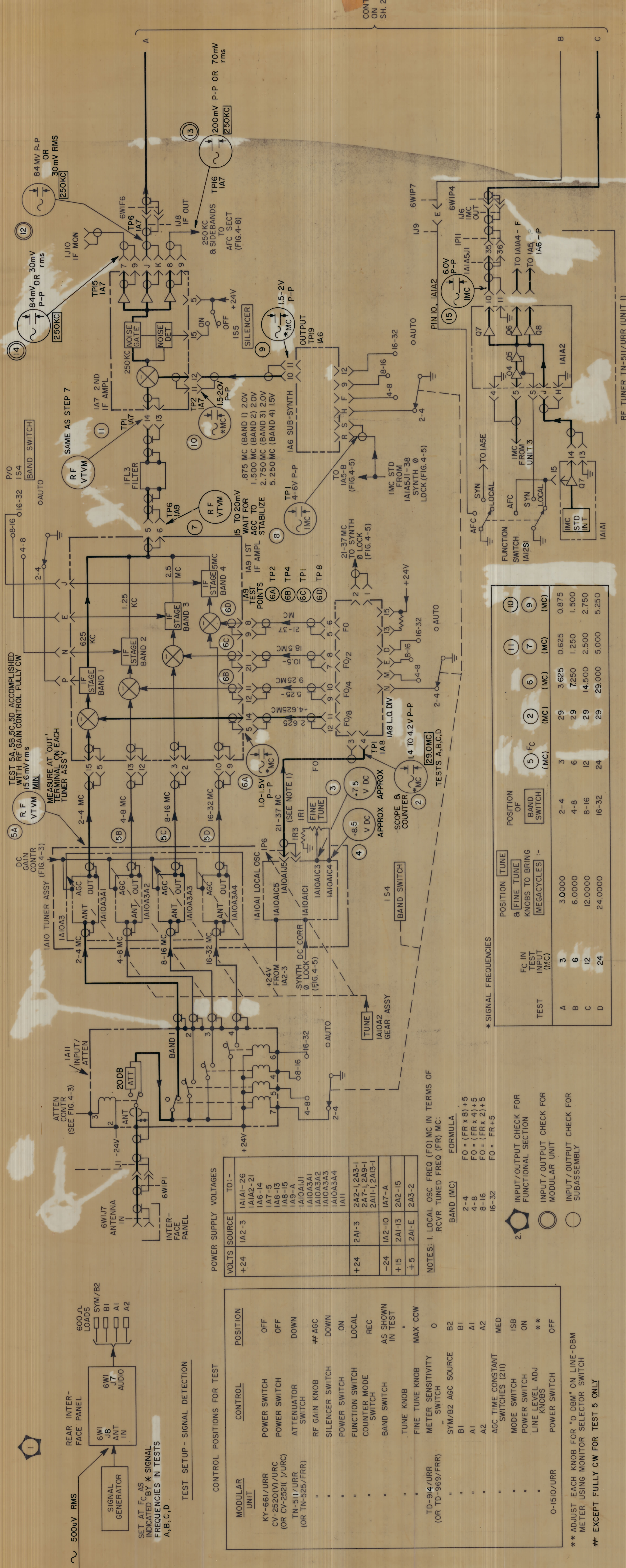
MODULAR UNIT	CONTROL	POSITION
KY-66/URR (UNITS 4 & 8) CV-252(V)/URC TN-511/URR (UNITS 1 & 5)	POWER SWITCHES	OFF
	POWER SWITCH	OFF
	ATTENUATOR SWITCH	OFF (DOWN)
	RF GAIN - KNOB	AGC
	SILENCER SWITCH	OFF (DOWN)
	POWER SWITCH	ON
	FUNCTION SWITCH	LOCAL
	COUNTER MODE SWITCH	REC
	BAND SWITCH	2-4
	TUNE AND FINE TUNE KNOBS	TO OBTAIN 3.0000 ON MEGACYCLES DISPLAY
TD-914/URR (UNITS 2 & 6)	METER FUNCTION SWITCH	RF HIGH
	METER SENSITIVITY SWITCH	0
	SYM/B2 AGC SOURCE SWITCH	B2
	BI AGC SOURCE SWITCH	B1
	AI " " " "	A1
O-1510/URR (UNITS 3 & 7)	A2 " " " "	A2
	AGC TIME CONSTANT SWITCH (ALL)	FAST
	MODE SWITCH	ISB
	POWER SWITCH	ON
	LINE LEVEL ADJ KNOBS (ALL)	**
	POWER SWITCH	OFF

* * ADJUST EACH KNOB FOR "0" dbm ON LINE DBM METER USING MONITOR SELECTOR SWITCH

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP.				
MAMARONECK, NEW YORK				
AN/URR-63 (V12)				
SERVICING BLOCK DIAGRAM				
DIVERSITY QUIETER SECTION 4-4				
SIZE CODE IDENT NO. DWG NO.				
82679				
SCALE				
SHEET 1 OF 1				

4390

ZONE	LTR	DESCRIPTION	DATE	E.M.N.O.DRAFT	CHKD	APPD
	X2	SIGNIFY FLOW LINES ADD	8/18/78		CHL	
	X3	108 L. O.D. WAS 108 L.OB W/ DN	9/1/78		CHL	
	X4	1A/251 CHG TO 1A/251	9/1/78		GE	
	1A	ORIGINAL REASE FOR PRODUCTION	4/7/79		GE	10/2



QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
THE TECHNICAL MATERIAL CORP. MAMARONECK, NEW YORK				
ISB SIGNAL DETECTION SERVICING BLOCK 4-2				
SIZE CODE IDENT. NO. DWG NO.			ISSUE	
82679			CK 1675	0
SCALE			SHEET 6 OF 6	
DATE PREPARED: 12-2-59 BY: [Signature] CHECKED: [Signature] DATE: 12-2-59 DRAWN: [Signature]				

TEST	F _C IN TEST INSTR. (MC)	POSITION		POSITION OF BAND SWITCH	TUNE		F _C		TUNE		MC	
		8	9		10	11	12	13	14	15		
A	3	3,000		2-4	3	29	3,625	0.625				0.875
B	6	6,000		4-8	6	29	7,250	1.250				1.500
C	12	12,000		8-16	12	29	14,500	2.500				2.750
D	24	24,000		16-32	24	29	29,000	5.000				5.250

MODULAR UNIT	CONTROL	POSITION
XY-661/URR	POWER SWITCH	OFF
CV-252(V)/URC (OR CV-252(I) /URC)	POWER SWITCH	OFF
TN-511/URR	ATTENUATOR SWITCH	DOWN
(OR TN-525/FRR)	RF GAIN KNOB	# AGC
"	SILENCER SWITCH	DOWN
"	POWER SWITCH	ON
"	FUNCTION SWITCH	LOCAL
"	COUNTER MODE SWITCH	REC
"	BAND SWITCH	AS SHOWN IN TEST
"	TUNE KNOB	"
"	FINE TUNE KNOB	MAX CW
TD-914/URR (OR TD-969/FRR)	METER SENSITIVITY SWITCH	0
"	SYM/B2 AGC SOURCE	B2
"	B1	B1
"	A1	A1
"	A2	A2
"	AGC TIME CONSTANT SWITCHES (211)	MED
"	MODE SWITCH	ISB
"	POWER SWITCH	ON
"	LINE LEVEL ADJ KNOBS	**
"	POWER SWITCH	OFF
O-1510/URR		

*** ADJUST EACH KNOB FOR "0 DBM" ON LINE-DBM
METER USING MONITOR SELECTOR SWITCH

EXCEPT FULLY CW FOR TEST 5 ONLY

DEMULTIPLEXER TD-914/URR (UNIT 2)

QTY. REQ.	ITEM	PART NO.	DESCRIPTION		SYMBOL
FINAL APPROVAL <i>Paul E. Schmitt</i> MECH. DES.		DATE 15 Feb 70	LIST OF MATERIAL		
ELECT. DES.		DATE	THE TECHNICAL MATERIAL CORP. MAMARONECK, NEW YORK		
CHECKED		DATE	ISB SIGNAL DETECTION		
DRAWN		DATE	SERVICING BLOCK		
<i>WPH</i> <i>CM</i>		3-30-70	4-2		
			SIZE	CODE IDENT. NO.	DWG. NO.
				82679	CK 1675
			ISSUE		0
			SCALE		SHEET 4 OF 5

0	ORIGINAL RELEASE FOR PRODUCTION	FILED	08	ES	0868
X1	ADD SIGNAL FLOW LINES	3/24/70	-	HA	
ZONE	LTR	DATE	EM	N/DRAFT	CHKD APPD

