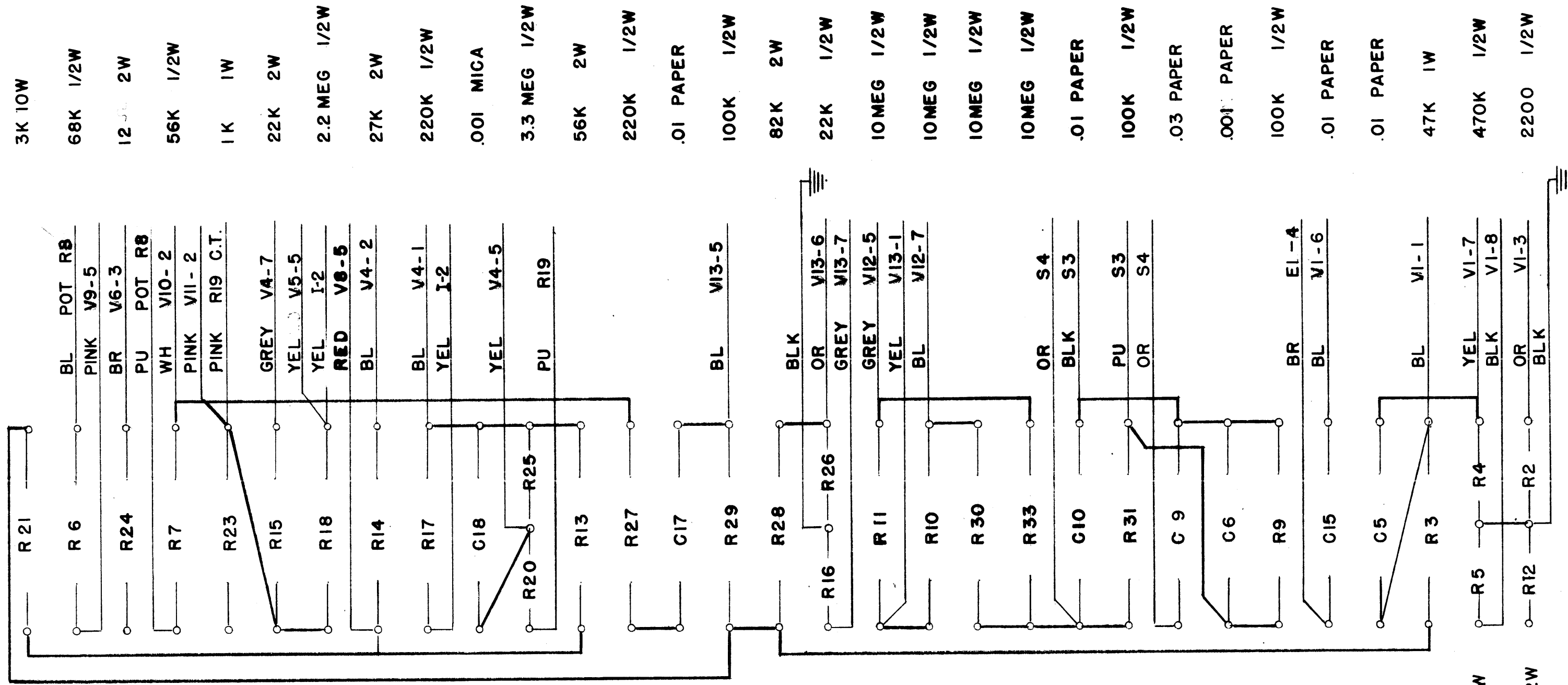


CK-210



3K 10W

68K 1/2W

12 2W

56K 1/2W

1K 1W

22K 2W

2.2 MEG 1/2W

27K 2W

220K 1/2W

.001 MICA

3.3 MEG 1/2W

56K 2W

220K 1/2W

.01 PAPER

100K 1/2W

82K 2W

22K 1/2W

10MEG 1/2W

10MEG 1/2W

10MEG 1/2W

10MEG 1/2W

.01 PAPER

100K 1/2W

.03 PAPER

.001 PAPER

100K 1/2W

.01 PAPER

.01 PAPER

47K 1W

470K 1/2W

2200 1/2W

1MEG 1/2W

1K 1/2W

2700 1/2W

1MEG 1/2W

NOTICE TO PERSONS RECEIVING THIS DRAWING

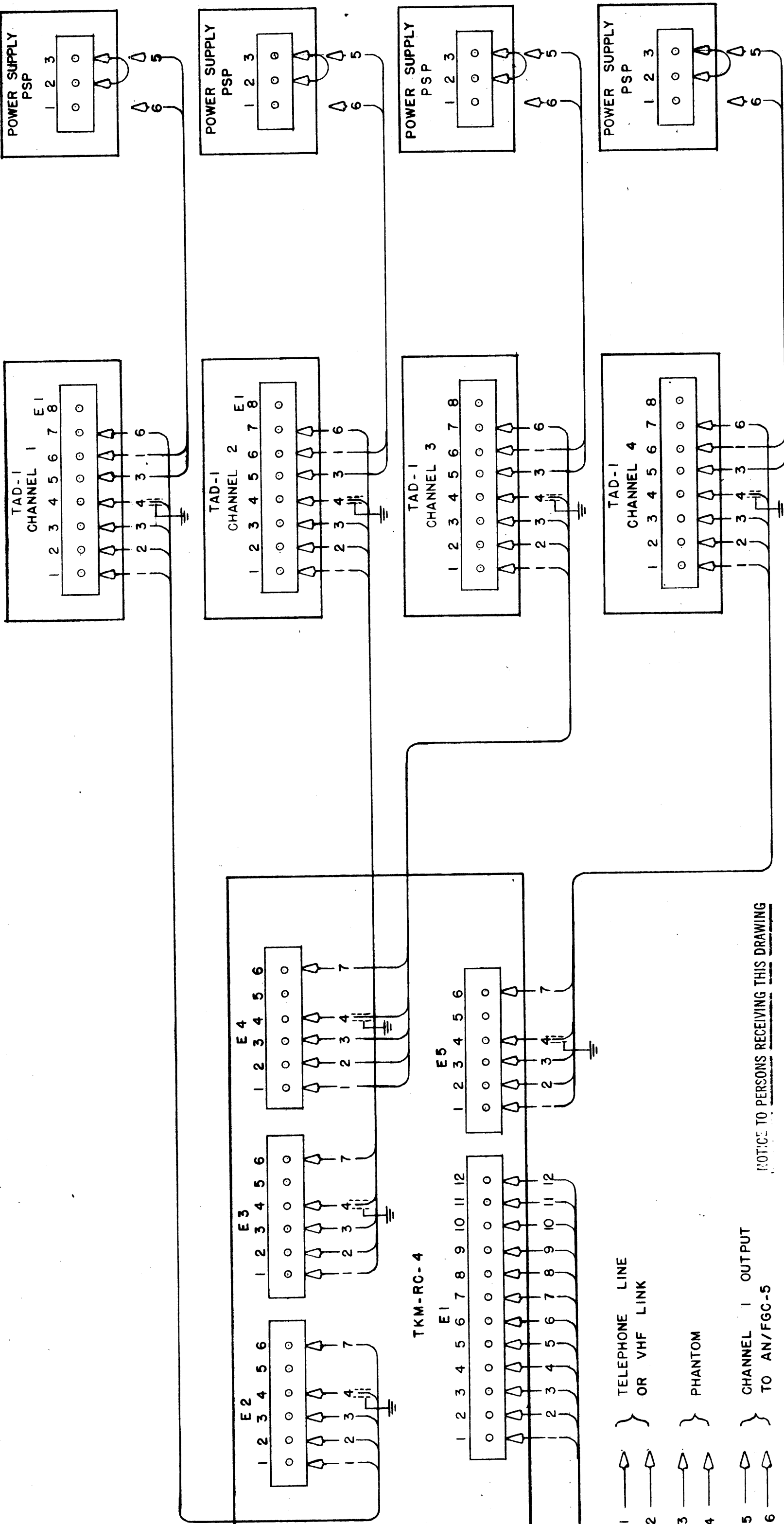
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TAD-1 RESISTOR BOARD			
WIRING DIAGRAM			
THE TECHNICAL MATERIEL CORPORATION MAMARONECK, NEW YORK			
DATE	3-6-51	CHKD.	A.J.J.
DRAWN	<i>[Signature]</i>	APPD.	<i>[Signature]</i>
SHEET	OF	NO	CK-210

WAS BES003



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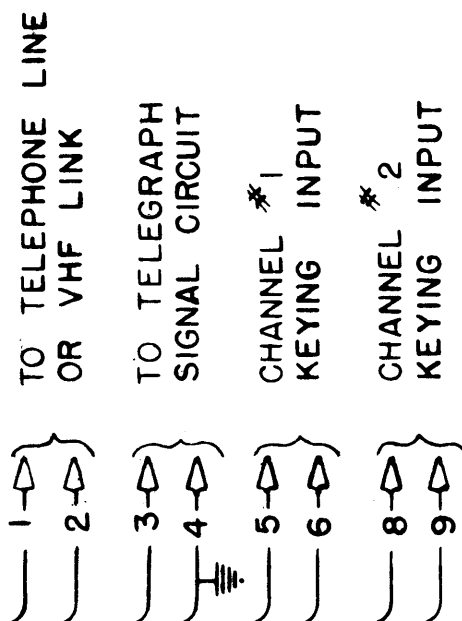
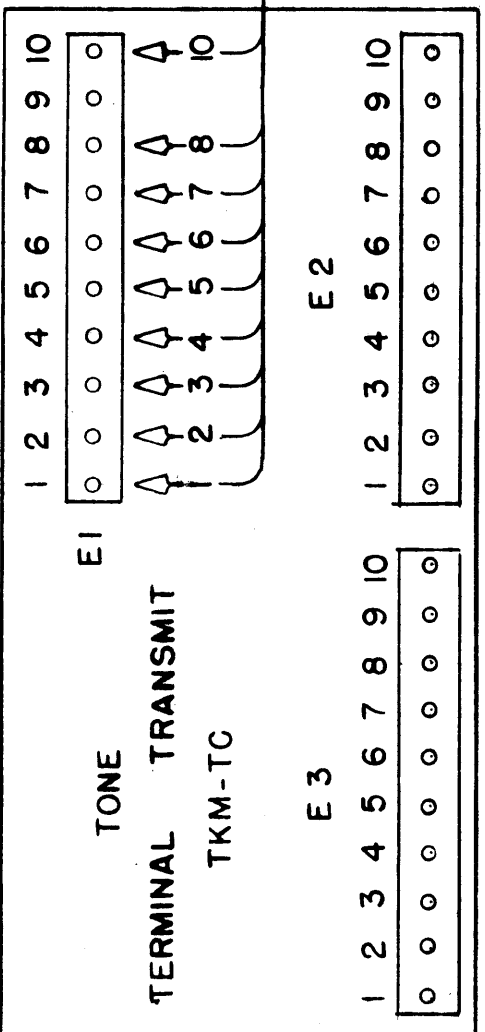
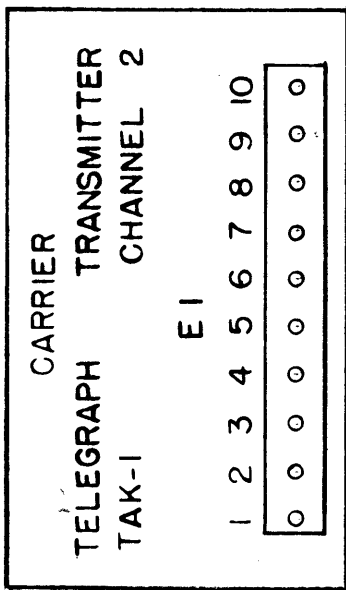
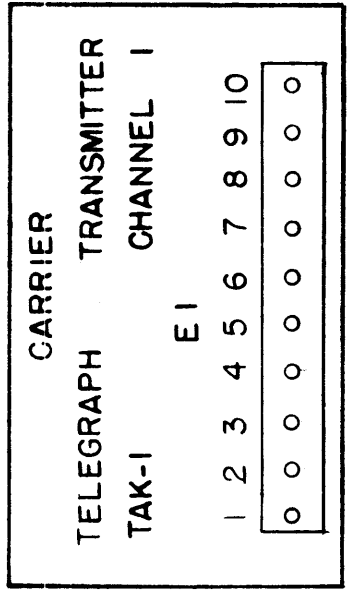
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WIRING DIAGRAM
 RECEIVING BAY
 MODEL TKM-4
 THE TECHNICAL MATERIEL CORPORATION
 MAMARONECK, NEW YORK
 DATE 3-12-51 CHKD. [initials]
 DRAWN [initials] AFD.
 SHEET OF 1-0

NOTE:
 CK-219 supersedes BEW003

- 1 TELEPHONE LINE
- 2 OR VHF LINK
- 3 PHANTOM
- 4 PHANTOM
- 5 CHANNEL 1 OUTPUT TO AN/FGC-5
- 6 CHANNEL 1 OUTPUT TO AN/FGC-5
- 7 CHANNEL 2 OUTPUT TO AN/FGC-5
- 8 CHANNEL 2 OUTPUT TO AN/FGC-5
- 9 CHANNEL 3 OUTPUT TO AN/FGC-5
- 10 CHANNEL 3 OUTPUT TO AN/FGC-5
- 11 CHANNEL 4 OUTPUT TO AN/FGC-5
- 12 CHANNEL 4 OUTPUT TO AN/FGC-5



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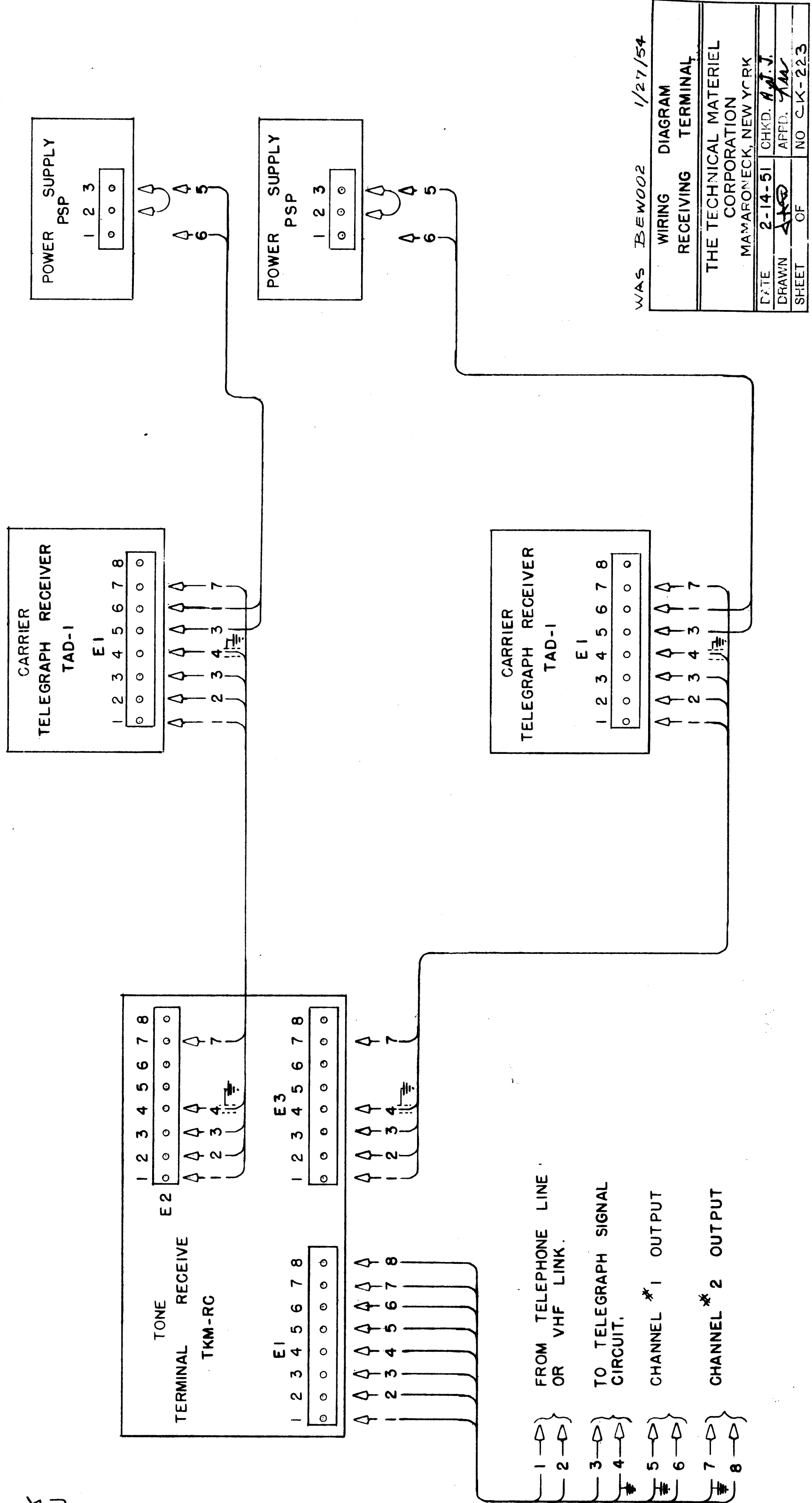
Property of:
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MAMARONECK, NEW YORK

WIRING DIAGRAM TRANSMITTING TERMINAL	
THE TECHNICAL MATERIEL CORPORATION MAMARONECK, NEW YORK	
DATE 2-13-51	CHKD. J. J. J.
DRAWN <i>ASD</i>	APPD. <i>AM</i>
SHEET OF	NO CK-221

FIGURE 3-1 PAGE 3-3

WAS BEWOOD
1/27/54

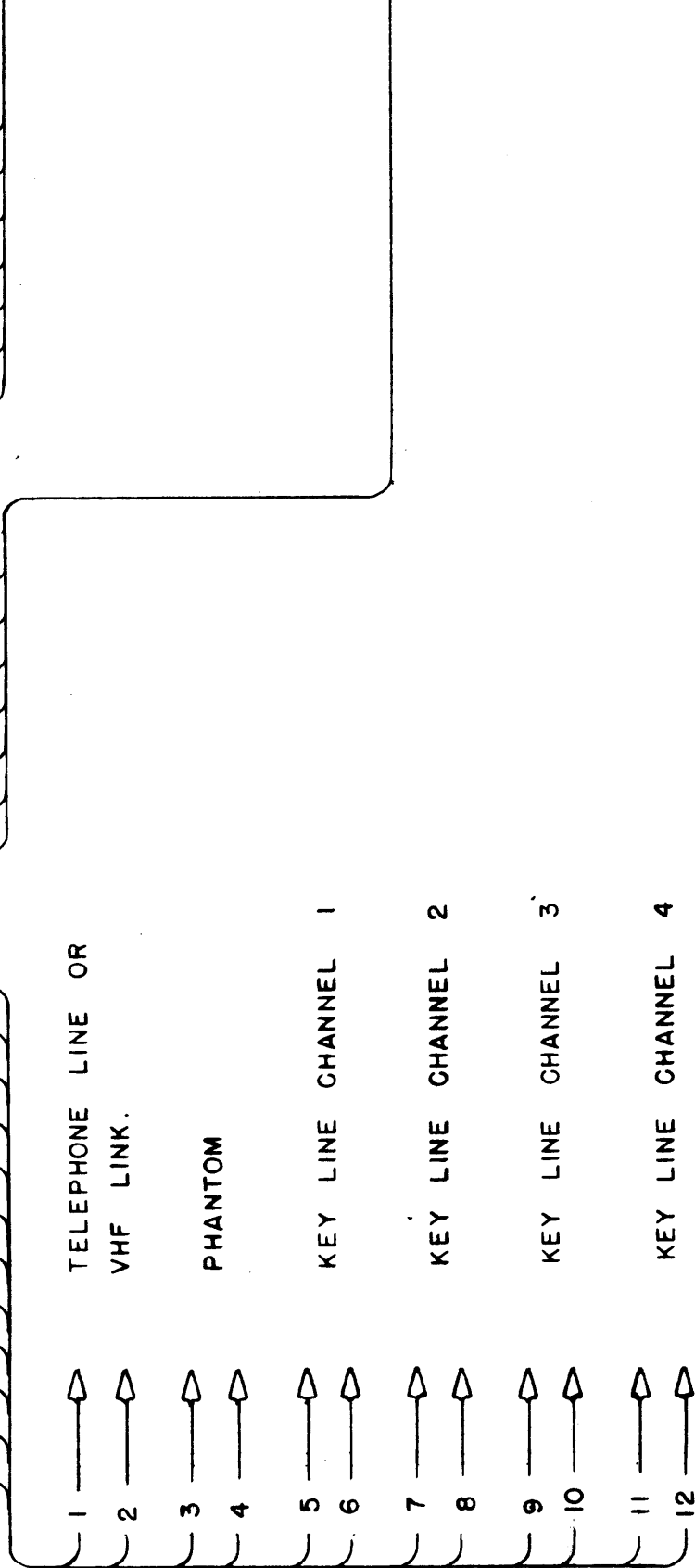
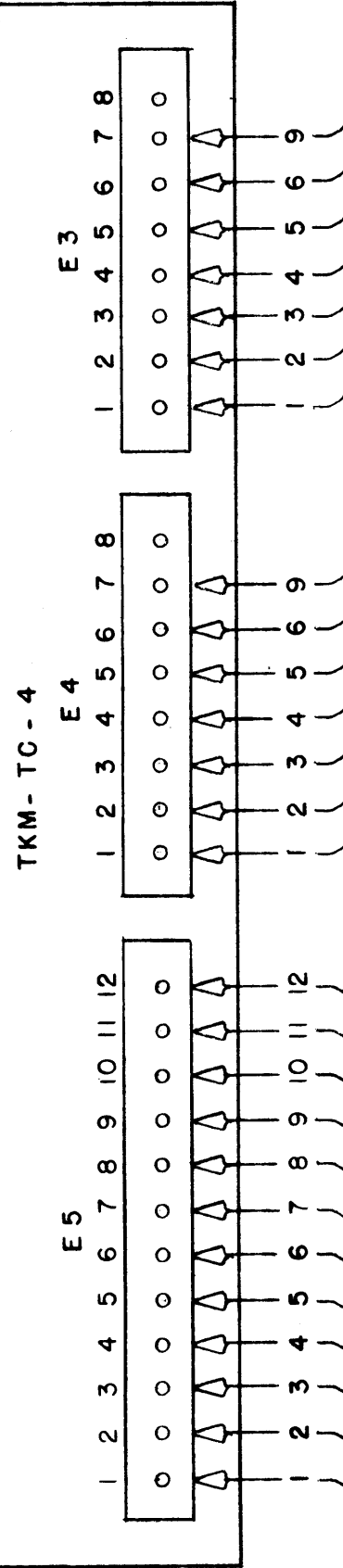
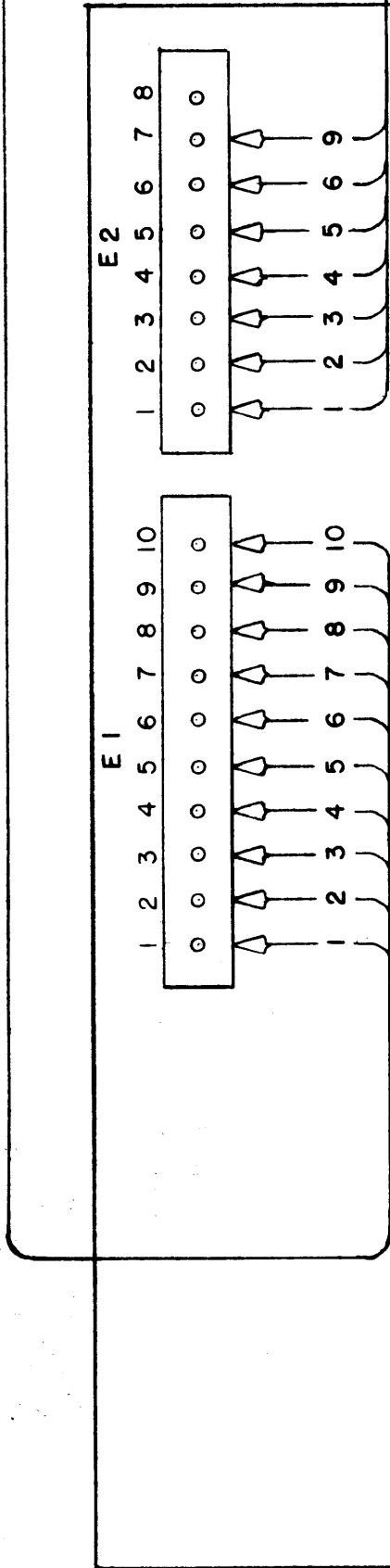
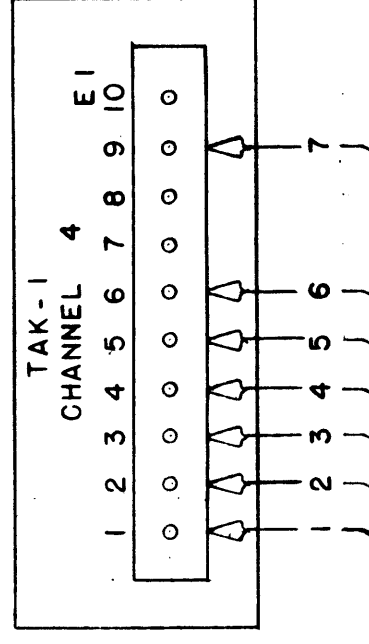
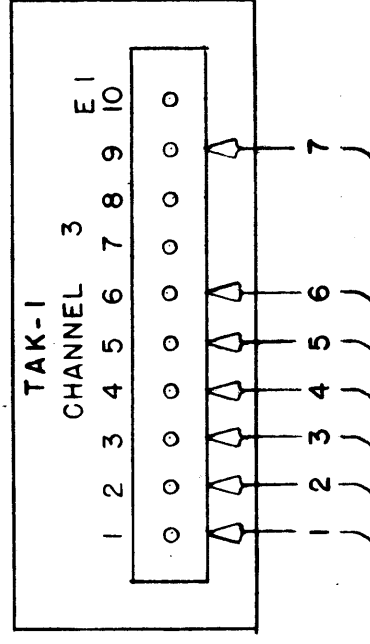
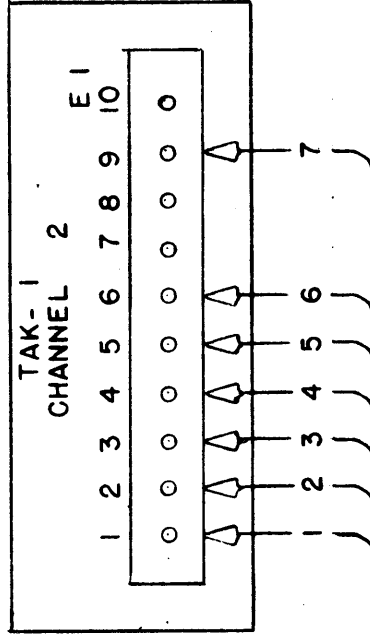
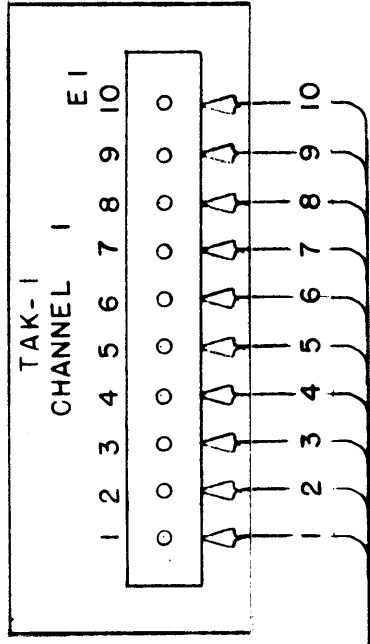
CK-223



WAS BEW002 1/27/54

WIRING	DIAGRAM
RECEIVING	TERMINAL
THE TECHNICAL MATERIEL CORPORATION	
MAMARONECK, NEW YORK	
DATE	2-14-51
DRAWN	CHKD. <i>A.J.J.</i>
SHEET	APPD. <i>AAA</i>
OF	NO. CLK-223

FIGURE 3-2 PAGE 3-4



FOUR CHANNEL TONE SYSTEM
 TRANSMITTING BAY
 MODEL TKM-4

THE TECHNICAL MATERIEL
 CORPORATION
 MAMARONECK, NEW YORK

DATE 3-10-51 CHKD. *GRB*
 DRAWN APPD. *GRB*
 SHEET OF NO CK-3

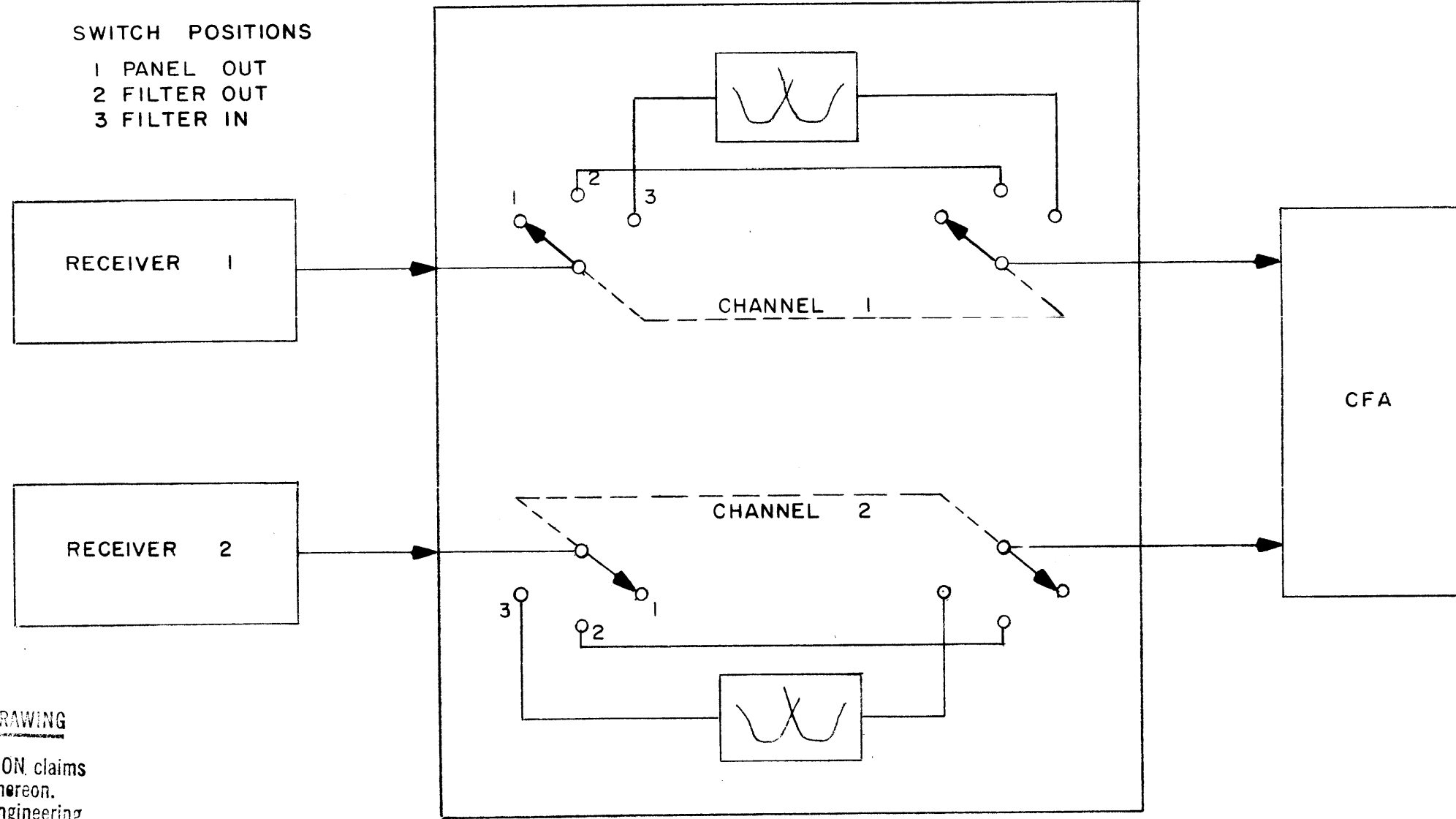
WAS BEW004 2/2/54

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CK-237

SWITCH POSITIONS
 1 PANEL OUT
 2 FILTER OUT
 3 FILTER IN



SFP-2

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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK, NEW YORK	
			FUNCTIONAL BLOCK DIAGRAM	
			MODEL SFP-2	
			DRAWN <i>JAS</i>	ELEC. DES. APP. <i>A. J. J.</i>
			CHECKED <i>JAS</i>	MECH. DES. APP. <i>A. J. J.</i>
			FINAL APPROVAL	
			CK-237	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE:					
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

SFP-2	PROJECT NO.	ASS'Y. NO.	DATE
MODEL			2-9-53
USED ON			

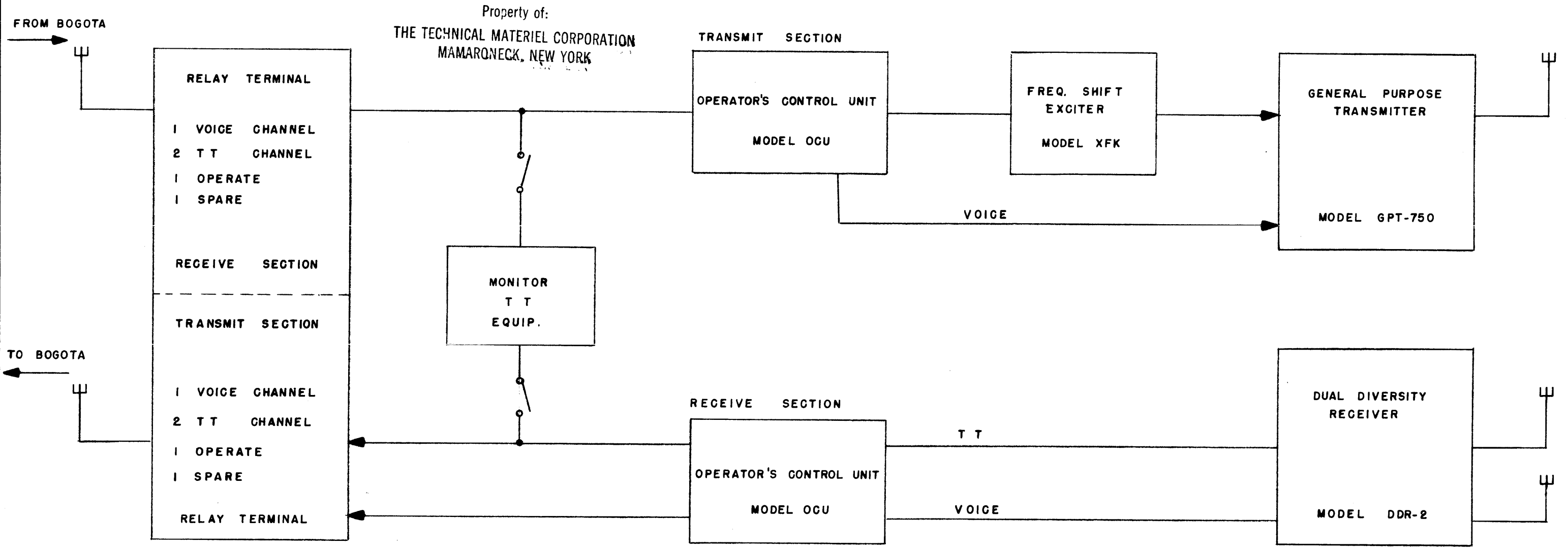
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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			SIMPLIFIED BLOCK DIAGRAM	
			MADRID	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	FINAL APPROVAL <i>WJG</i>
			CK-244	

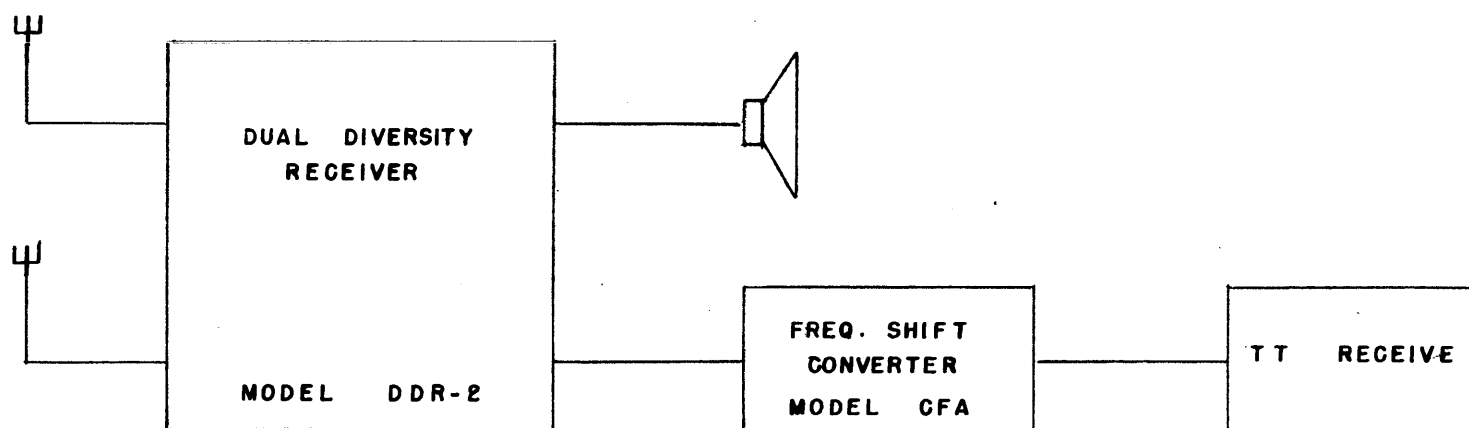
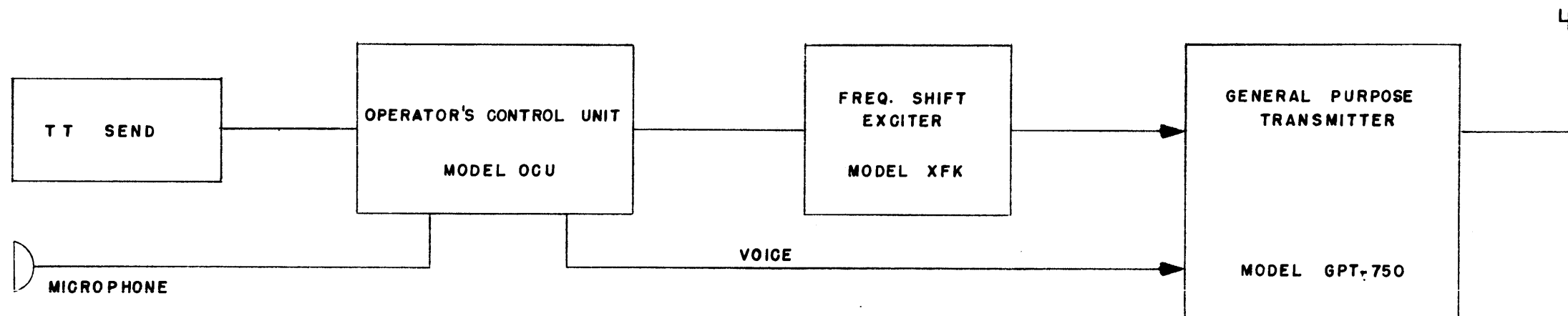
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
		TOLERANCES		SCALE:			
ALL OTHERS		DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.			

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON			

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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			SIMPLIFIED BLOCK DIAGRAM	
			ALL STATIONS	
MATERIAL			WEIGHT PER PC.	
TYPE & TEMPER				
HEAT TREAT. SPEC.				
			FINAL APPROVAL	
			CK-245	
FINISH & SPEC. NO.				

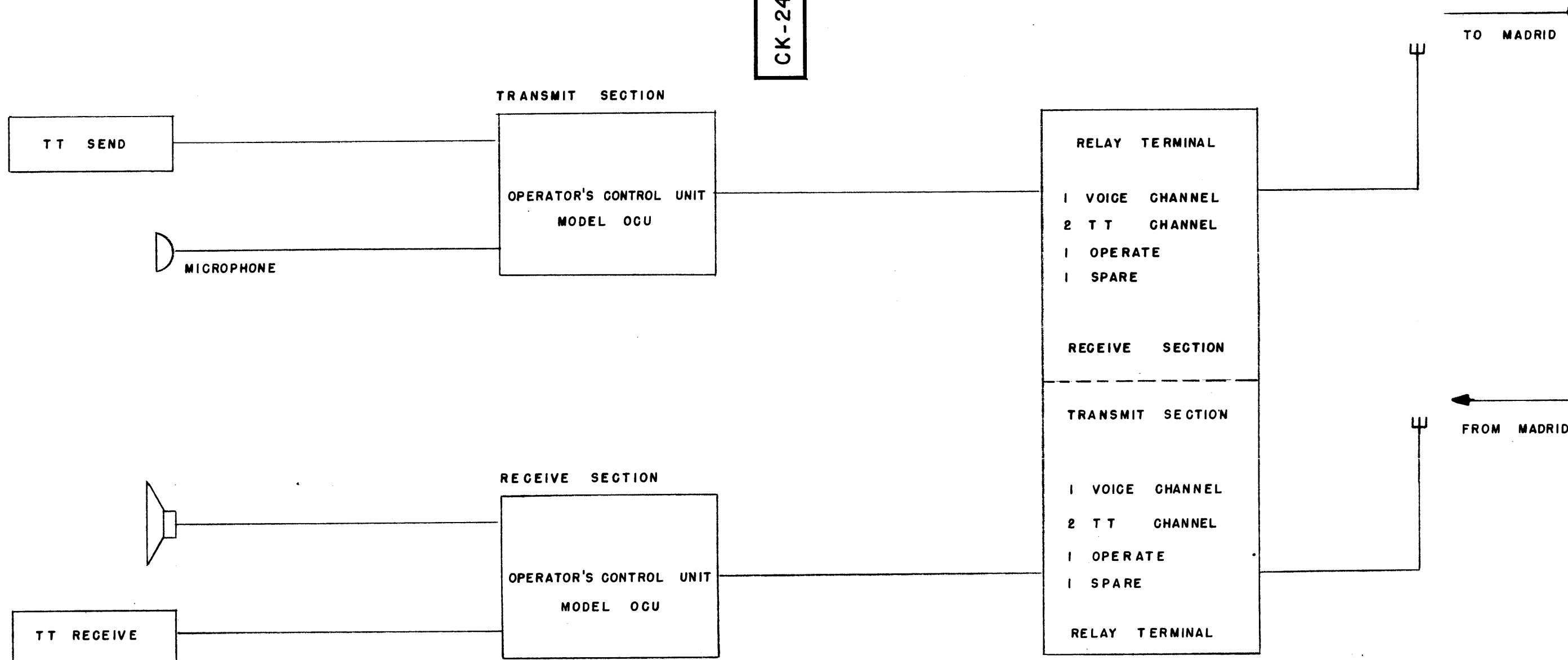
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
ALL OTHERS							
		SCALE:					
		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

MODEL	PROJECT NO.	ASSY. NO.	DATE
USED ON			

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CK-246



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			SIMPLIFIED BLOCK DIAGRAM	
			BOGOTA	
MATERIAL			WEIGHT PER PC.	
TYPE & TEMPER				
HEAT TREAT. SPEC.				
FINISH & SPEC. NO.				
			DRAWN	
			ELEC. DES. APP.	
			MECH. DES. APP.	
			CHECKED	
			FINAL APPROVAL	
			CK-246	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
				SCALE:			
				DRILL, PUNCH, COMMERCIAL STOCK			
				SIZES AND MANUFACTURERS			
				TOLERANCES ARE NOT INCLUDED.			
ALL OTHERS		DEC. DIM. ±		FRAC. DIM. ±		ANGULAR DIM. ±	

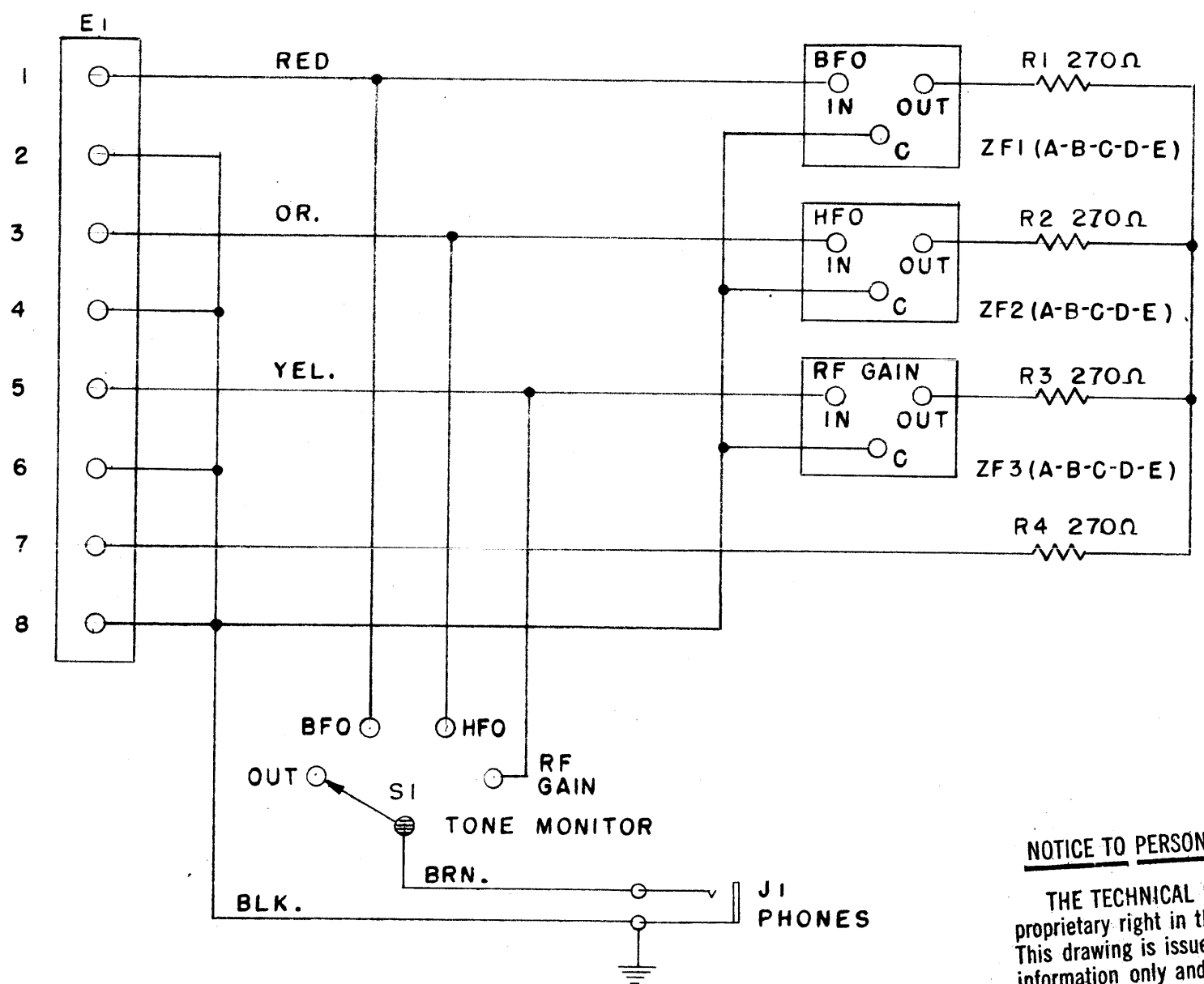
MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON			

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CK-249 C

MODEL	FREQ	FUNCTION	FILTER NETWORK	TMC NO.
RSF-2A	1275	BFO	ZF1A	FX-139-1275
	425	HFO	ZF2A	FX-140-425
	2125	RFG	ZF3A	FX-139-2125
RSF-2B	1445	BFO	ZF1B	FX-139-1445
	595	HFO	ZF2B	FX-140-595
	2295	RFG	ZF3B	FX-139-2295
RSF-2C	1615	BFO	ZF1C	FX-139-1615
	765	HFO	ZF2C	FX-140-765
	2465	RFG	ZF3C	FX-139-2465
RSF-2D	1785	BFO	ZF1D	FX-139-1785
	935	HFO	ZF2D	FX-139-935
	2635	RFG	ZF3D	FX-139-2635
RSF-2E	1955	BFO	ZF1E	FX-139-1955
	1105	HFO	ZF2E	FX-139-1105
	2805	RFG	ZF3E	FX-139-2805



NOTE
 FX-139 IS INTERCHANGEABLE WITH FX-141
 FX-140 " " " " FX-144

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ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
C	1	NOTE ADDED	4/22/54	3	SSD	JAN	KZ
B	1	R1, 2, 3, 4 WERE 300 Ω	4/25/54	2	JAN	SSD	KZ
A	1	FX- NO'S. CHANGED	9/9/54	1	C.D.D.	JAN	KZ

TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

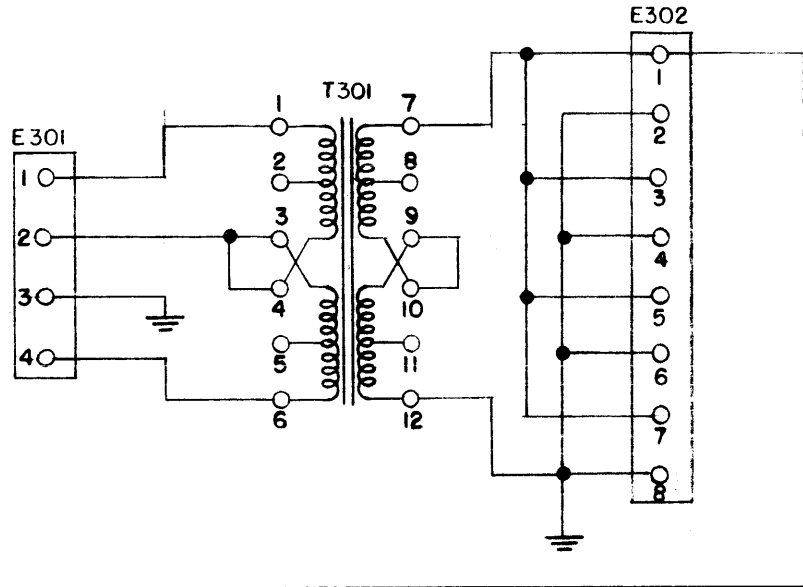
RSF-2		A-748	5-12-54
MODEL	PROJECT NO.	ASS'Y. NO.	DATE

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			RSF-2 (A-B-C-D-E)	
			SCHMATIC DIAGRAM	
			CDD 5-12-54	KZ
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			JAN KZ	H. J. J.
			CHECKED	FINAL APPROVAL
			supercedes RSF-1 (CK-190)	CK-249 C

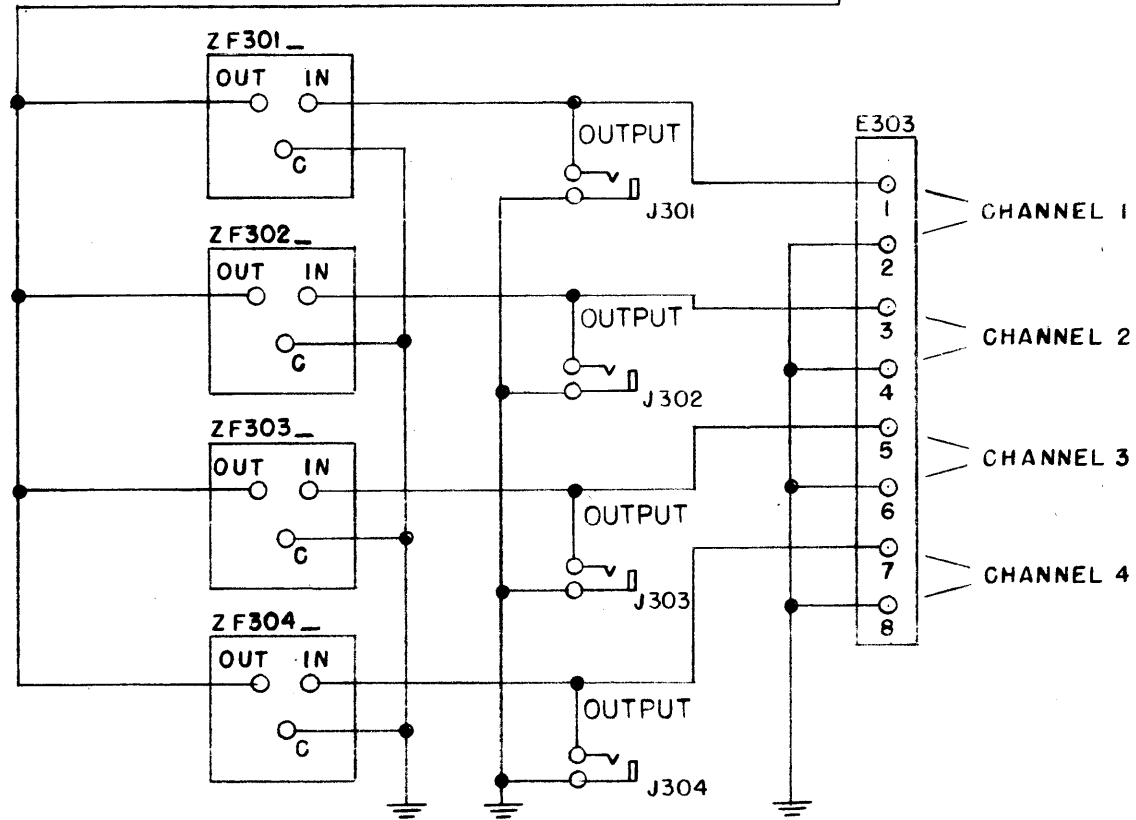
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CK-256 B



PART NO. TO BE IN FOLLOWING FORM
 FX-139-XXX
 FREQ. C.P.S.



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UNIT	SYMBOL	PART NUMBER	
			CPS
TTF A	ZF301A	FX-139	425
	ZF302A	FX-139	595
	ZF303A	FX-139	765
	ZF304A	FX-139	935
TTF B	ZF301B	FX-139	1105
	ZF302B	FX-139	1275
	ZF304B	FX-139	1615
TTF C	ZF301C	FX-139	1785
	ZF302C	FX-139	1955
	ZF304C	FX-139	2295
TTF D	ZF301D	FX-139	2465
	ZF302D	FX-139	2635
	ZF303D	FX-139	2805
	ZF304D	FX-139	2975
TTF E	ZF301E	FX-142	595
	ZF302E	FX-142	935
	ZF304E	FX-142	1615
TTF F	ZF301F	FX-142	1955
	ZF302F	FX-142	2295
	ZF304F	FX-142	2975
TTF G	ZF301G	FX-143	935
	ZF302G	FX-143	1445
	ZF303G	FX-143	1955
	ZF304G	FX-143	2465

B	1	"OUTPUT" ADDED	3-21-57	2	sc.	W.P. A.I.J.	
	4	SPEED COLUMN OF CHART DELETED					
	3	SCHEMATIC CHG'D.					
A	2	SYMBOL SERIES WAS SINGLE DIGIT	1/21/57	1	16	W.P. A.I.J.	
	1	FX-139 WAS FX-141					
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE:				
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

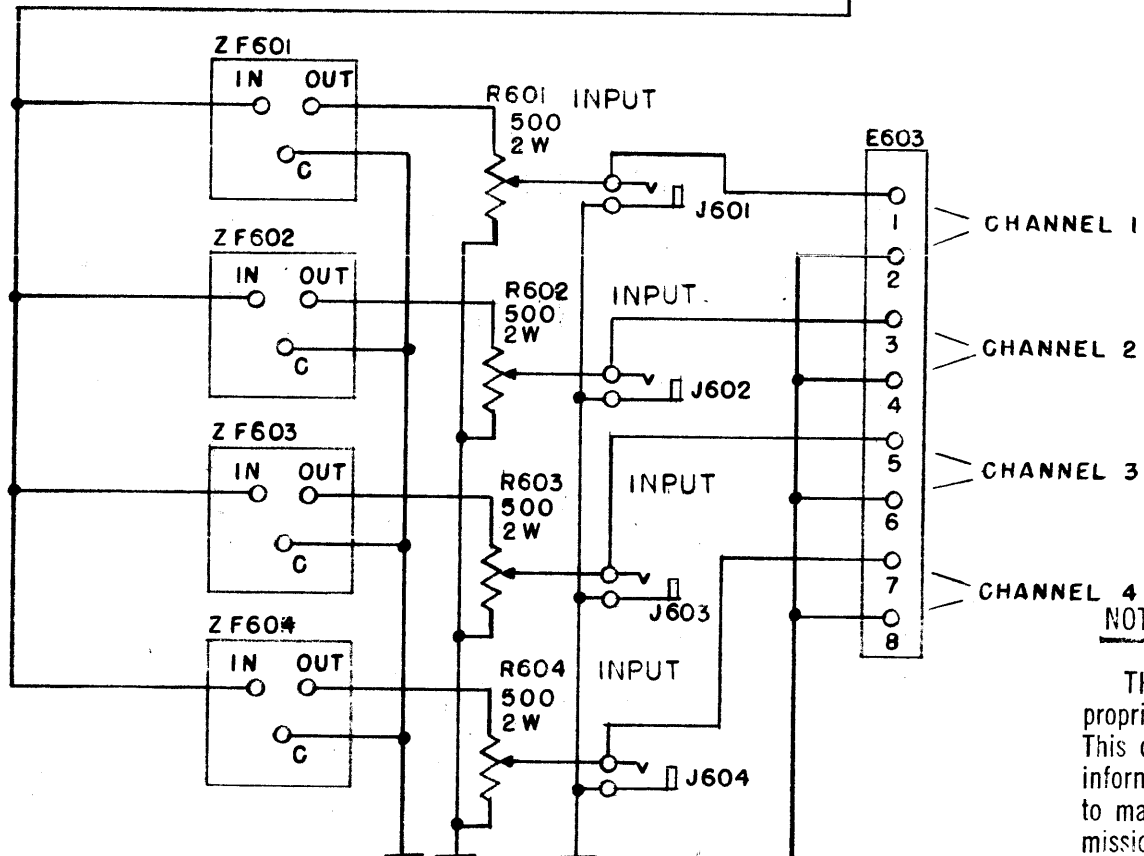
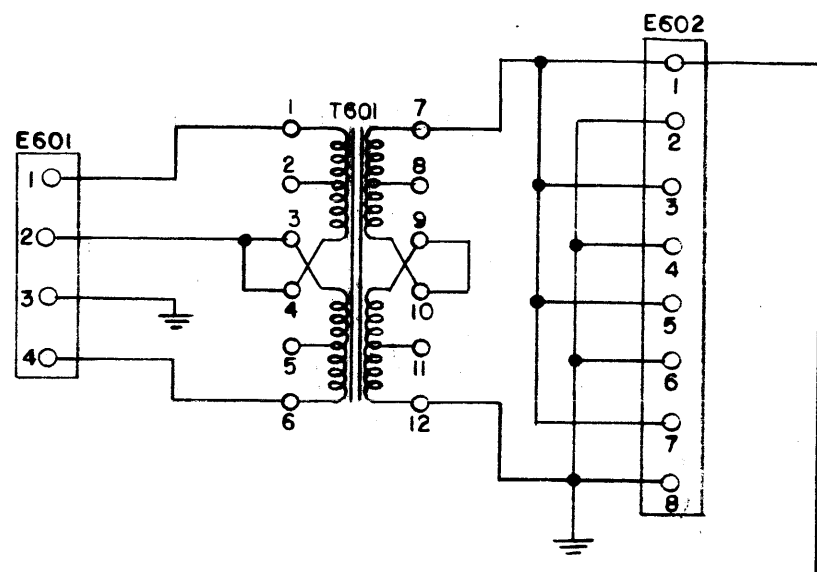
TTF	250	9-13-54
MODEL	PROJECT NO.	ASS'Y. NO.
USED ON		

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			SCHEMATIC DIAGRAM	
MATERIAL		WEIGHT PER PC.	TTF	
TYPE & TEMPER			CDD	
HEAT TREAT. SPEC.			DRAWN	ELEC. DES. APP. MECH. DES. APP.
FINISH & SPEC. NO.			CHECKED	FINAL APPROVAL
			CK-256 B	

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CK-258 B



PART NO. TO BE IN FOLLOWING FORM
 FX-140-XXX
 FREQ. G.P.S

UNIT	SYMBOL	PART NUMBER	
			C P S
TRF A	ZF601A	FX-140 -	425
	ZF602A	FX-140 -	595
	ZF603A	FX-140 -	765
	ZF604A	FX-140 -	935
TRF B	ZF601B	FX-140 -	1105
	ZF602B	FX-140 -	1275
	ZF603B	FX-140 -	1445
	ZF604B	FX-140 -	1615
TRF C	ZF601C	FX-140 -	1785
	ZF602C	FX-140 -	1955
	ZF603C	FX-140 -	2125
	ZF604C	FX-140 -	2295
TRF D	ZF601D	FX-140 -	2465
	ZF602D	FX-140 -	2635
	ZF603D	FX-140 -	2805
	ZF604D	FX-140 -	2975
TRF E	ZF601E	FX-145 -	595
	ZF602E	FX-145 -	935
	ZF603E	FX-145 -	1275
	ZF604E	FX-145 -	1615
TRF F	ZF601F	FX-145 -	1955
	ZF602F	FX-145 -	2295
	ZF603F	FX-145 -	2635
	ZF604F	FX-145 -	2975
TRF G	ZF601G	FX-146 -	935
	ZF602G	FX-146 -	1445
	ZF603G	FX-146 -	1955
	ZF604G	FX-146 -	2465

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ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	1	INPUT WAS OUTPUT	3-21-57	2		FC	A.J.J.
A	4	SPEED COLUMN OF CHART DELE.					
	3	SCHEMATIC CHG'D.	1/25/57	1			A.J.J.
	2	SYMBOL SERIES WAS SINGLE DIGIT					
	1	FX-140 WAS FX-144					

TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
TRF	250		9-13-54

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			SCHEMATIC DIAGRAM	
			TRF	
			CDD	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			HEAT TREAT. SPEC.	CHECKED FINAL APPROVAL
			CK-258 B	

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MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

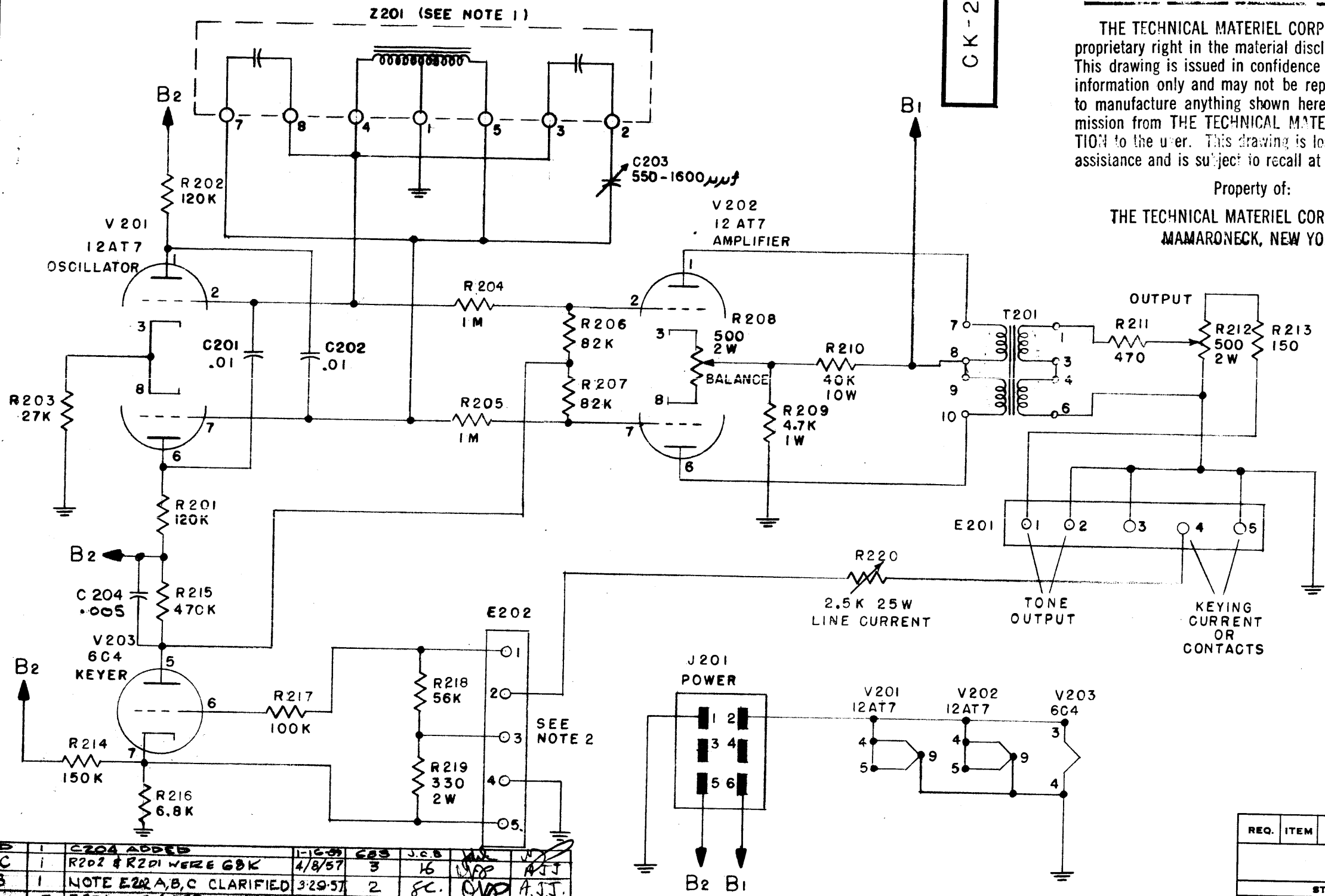
NOTE 1
Z201 FREQ. DETERMINING ELEMENT

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CHANNEL FREQ. CPS	PART NUMBER
425	NF-103-425
595	NF-103-595
765	NF-103-765
935	NF-103-935
1105	NF-103-1105
1275	NF-103-1275
1445	NF-103-1445
1615	NF-103-1615
1785	NF-103-1785
1955	NF-103-1955
2125	NF-103-2125
2295	NF-103-2295
2465	NF-103-2465
2635	NF-103-2635
2805	NF-103-2805
2975	NF-103-2975



NOTE 2
A- FOR POSITIVE PULSE KEYING
CONNECT 2-5, 3-4 ON E202
B- FOR NEGATIVE PULSE KEYING
CONNECT 2-3, 4-5 ON E202
C- FOR CONTACT KEYING
CONNECT 1-2 ON E202

ALL RESISTORS ARE 1/2 W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE IN μf UNLESS OTHERWISE NOTED.

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	1	C204 ADDED	1-10-55	283	J.C.B.		
C	1	R202 & R201 WERE 68K	4/8/57	3	16	W.P.P.	A.J.J.
B	1	NOTE E202 A,B,C CLARIFIED	3-29-57	2	8C.	W.P.P.	A.J.J.
A	5	E201 WAS 6 TERMINALS	2/				
A	4	J201 WIRING CHG'D.	2/				
A	3	Z201 WIRING CHG'D.	2/				
A	2	SYMBOL SERIES WAS SINGLE DIE	4/57	1	16	W.P.P.	A.J.J.
A	1	R216 WAS 2.7K / R219 WAS 33K					

ALL OTHERS	DEC. DIM. \pm	FRAC. DIM. \pm	ANGULAR DIM. \pm	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

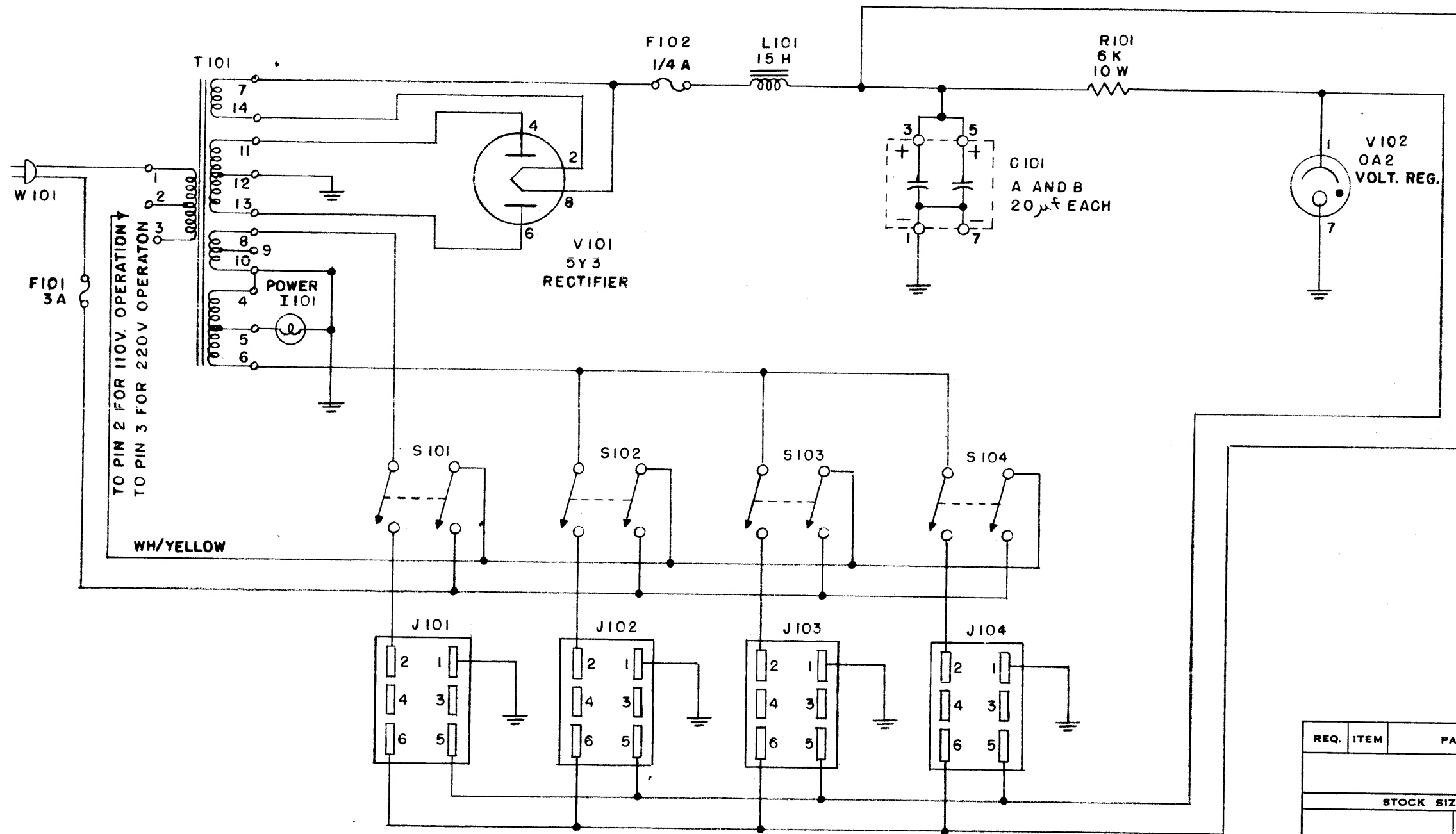
TTU	250	9-14-54
MODEL	PROJECT NO.	DATE
	ASS'Y. NO.	

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
SCHEMATIC DIAGRAM				
TTU				
CDD		D.J.P.		
DRAWN		ELEC. DES. APP.	MECH. DES. APP.	
HEAT TREAT. SPEC.		A.J.J.		
FINISH & SPEC. NO.		FINAL APPROVAL		

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CK-261 A



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK. NEW YORK	
			SCHEMATIC DIAGRAM	
			T S T	
			G D D	J J
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	A. J. J.
			FINAL APPROVAL	
			CK-261 A	

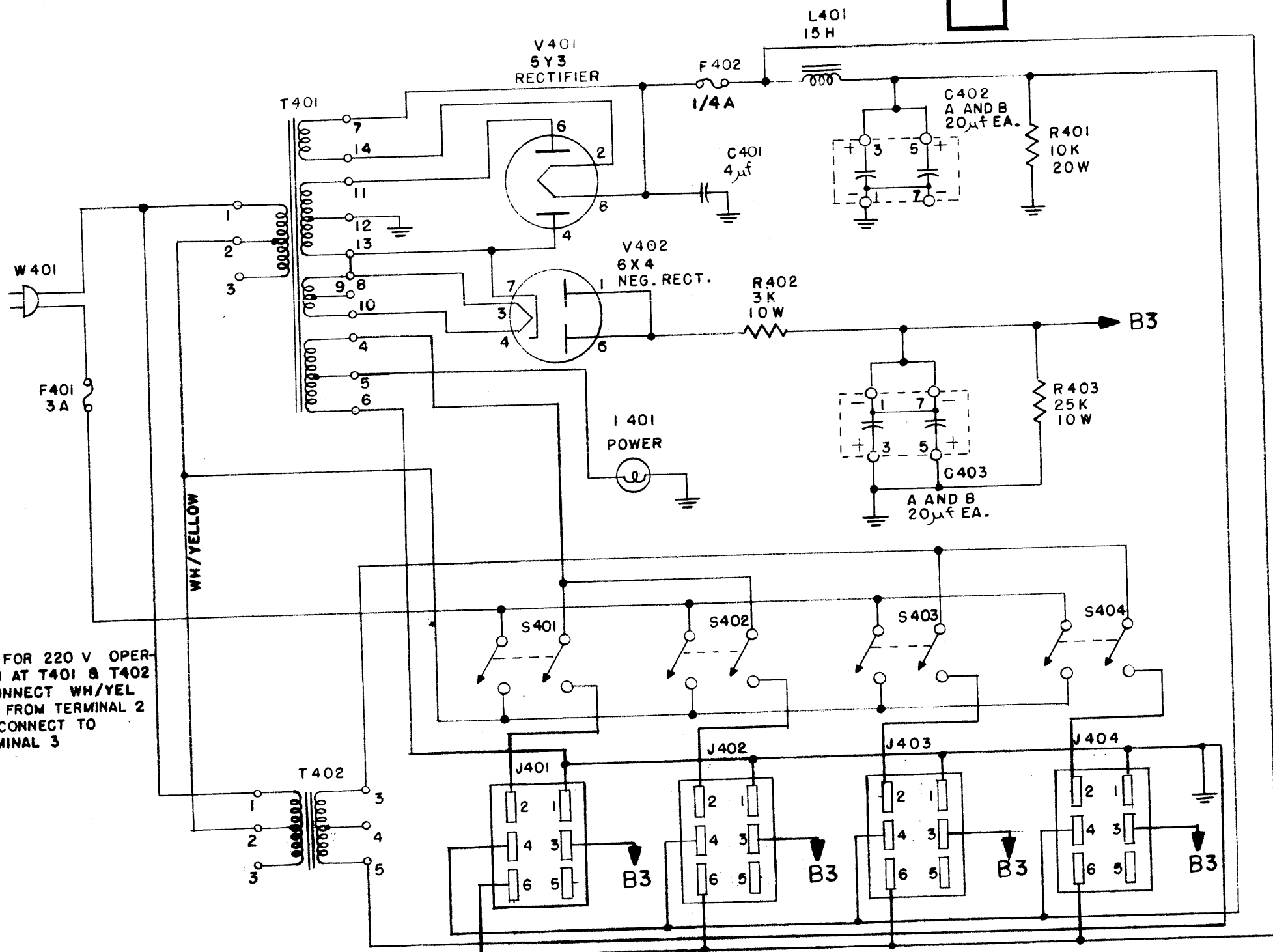
A	1	WIRING CHANGE of T101 & PLUGS	2/6/57	1	16	A.J.J.	
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE:					
ALL OTHERS	DEC. DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. ±						
	AN ULAR DIM. ±						

TST	250	9-14-54
MODEL	PROJECT NO.	DATE
USED ON		

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

CK-262 C



NOTE- FOR 220 V OPERATION AT T401 & T402 DISCONNECT WH/YEL LEAD FROM TERMINAL 2 AND CONNECT TO TERMINAL 3

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C	1	220v. Connection chgd. T402 Winding chgd.	2/25/57	3	6	<i>MP</i>	
ISSUE	ITEM	REVISION	DATE	CN. NO.	DRAFTS	CHK.	APP.
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK				
STOCK SIZE			SCHEMATIC DIAGRAM				
MATERIAL			TSR				
TYPE & TEMPER			CDD				
			DRAWN		ELEC. DES. APP.		MECH. DES. APP.
HEAT TREAT. SPEC.			CHECKED		A.J.J.		FINAL APPROVAL
FINISH & SPEC. NO.					CK-262		C

B	1	Wiring changed.	2/6/57	2				
A	1	Series #s clarified	1/12/57	1				
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.	
TOLERANCES			SCALE:					
ALL OTHERS			DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

TSR	PROJECT NO.	ASS'Y. NO.	DATE
			9-15-54
USED ON			

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

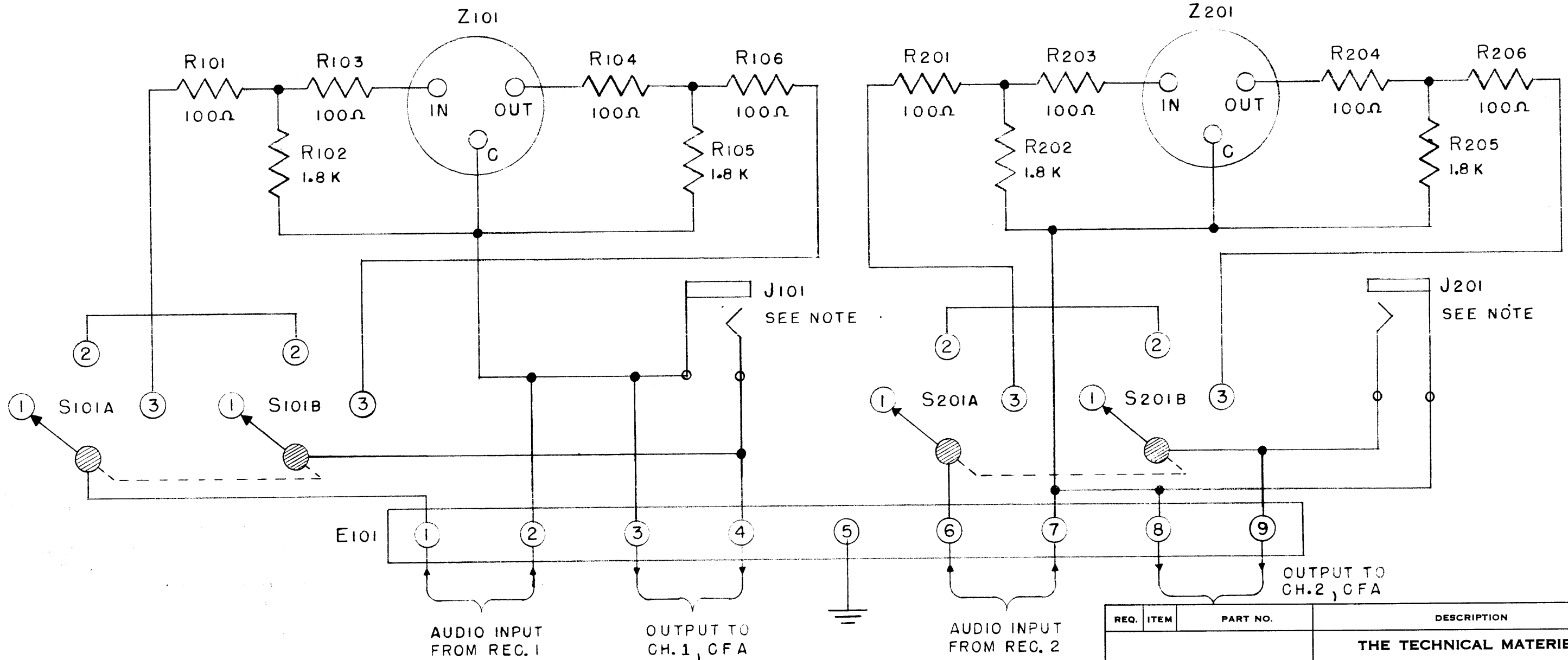
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

SWITCH POSITIONS

- 1 PANEL OUT
- 2 FILTER OUT
- 3 FILTER IN

CK-268

NOTE -
USE ONLY HIGH IMPEDANCE PHONES



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK, NEW YORK	
			SCHEMATIC DIAGRAM	
			BFP-2	
			CDD	A.J.J. <i>WDC</i>
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			<i>JAW</i>	<i>M.H.S.</i>
			CHECKED	FINAL APPROVAL
			CK-268	

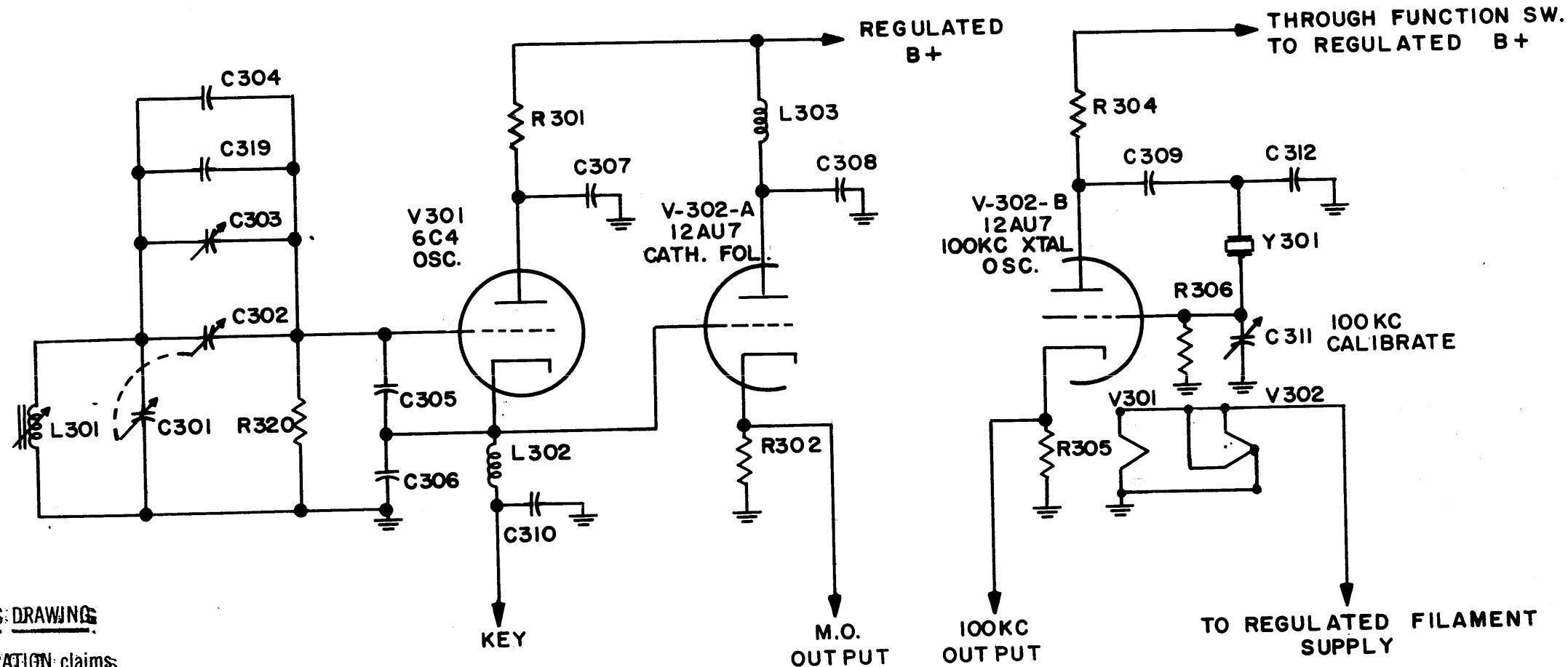
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
ALL OTHERS		DEC. DIM. ±	SCALE:				
		FRAC. DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK				
		ANGULAR DIM. ±	SIZES AND MANUFACTURERS				
			TOLERANCES ARE NOT INCLUDED.				

BFP-2	308		10-14-54
MODEL	PROJECT NO.	ASS'Y. NO.	DATE
USED ON			

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CK-269



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FIG. 2
THE OVEN ENCLOSED
ELEMENTS

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			THE OVEN ENCLOSED ELEMENTS MODEL PMO	
STOCK SIZE				
MATERIAL		WEIGHT PER PC.		
TYPE & TEMPER		DRAWN <i>FAV 10-13-54</i>		
HEAT TREAT. SPEC.		ELEC. DES. APP. <i>WCC</i>		
FINISH & SPEC. NO.		MECH. DES. APP. <i>A.T.J.</i>		
		CHECKED <i>A.T.J.</i>		
		FINAL APPROVAL		
		CK-269		

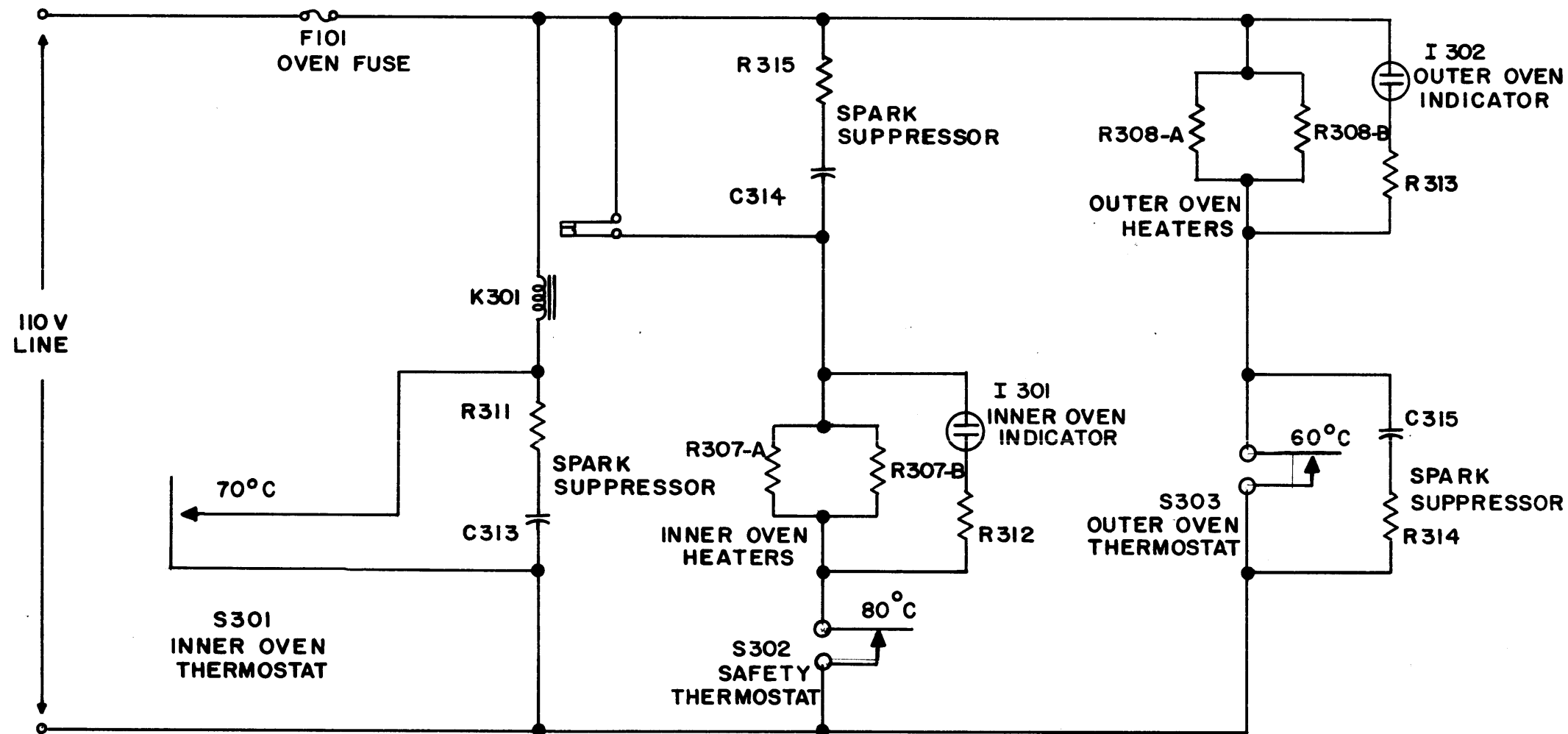
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
SCALE:							
DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.							

MODEL	PMO	PROJECT NO.	285	ASS'Y. NO.		DATE	10/13/54
USED ON							

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A
CK-270



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			FIG. 3A	
			OVEN WIRING, 110V CONNECTION	
STOCK SIZE				
MATERIAL		WEIGHT PER PC.		
TYPE & TEMPER				
HEAT TREAT. SPEC.				
FINISH & SPEC. NO.				
DRAWN			ELEC. DES. APP.	MECH. DES. APP.
CHECKED			FINAL APPROVAL	
			CK-270	A

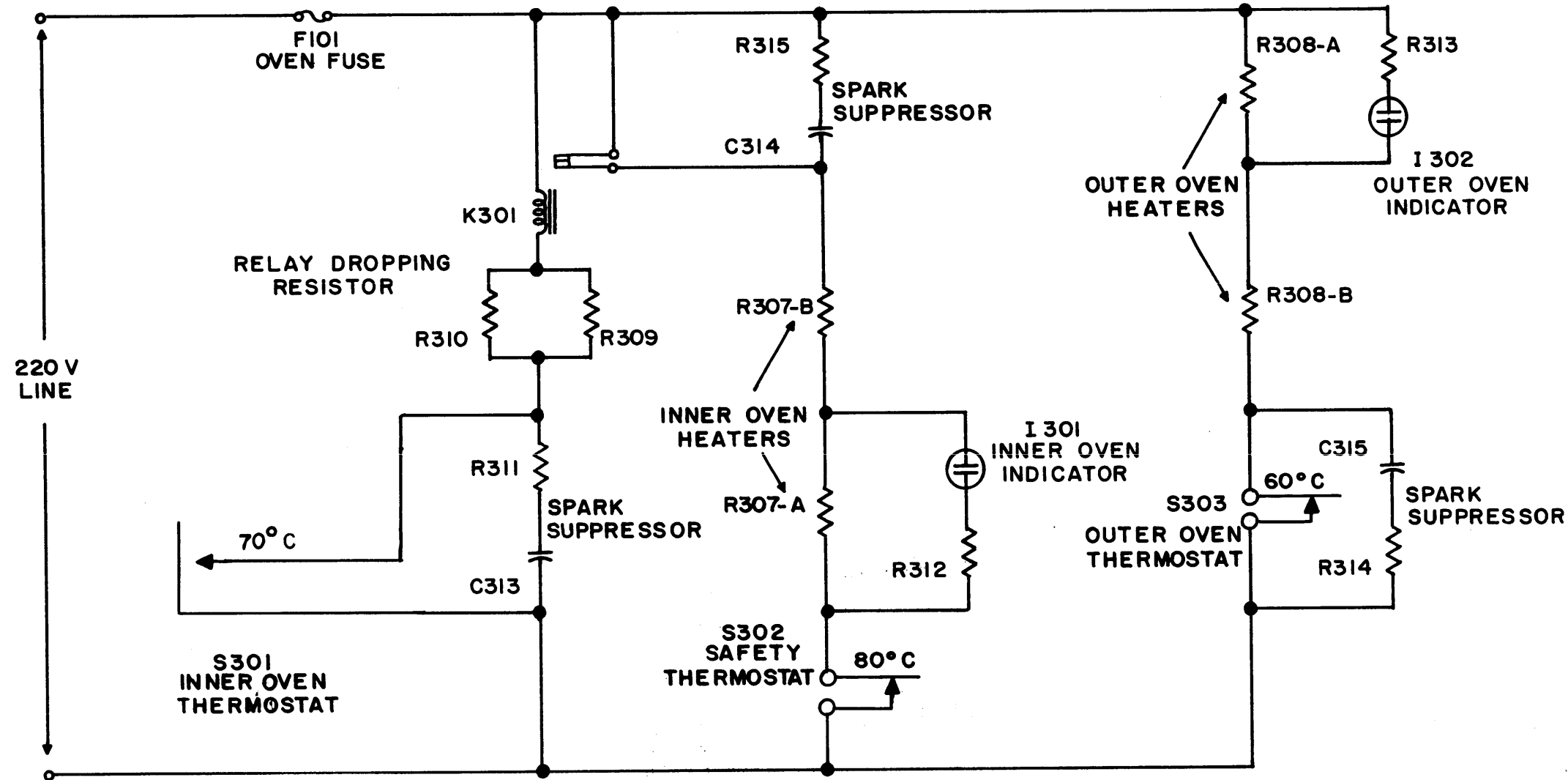
A	1	Thermostat Sym. Clarified	5/23/54	1	JAW	U.C.	A.J.J.
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE:					
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
PMO	285	10-19-54					
MODEL	PROJECT NO.	ASS'Y. NO.	DATE				
USED ON							

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A

CK-271



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			FIG. 3B	
MATERIAL			OVEN WIRING 220V CONNECTION	
WEIGHT PER PC.			DRAWN: <i>J.A.L.</i> ELEC. DES. APP.: <i>A.J.J.</i> MECH. DES. APP.: <i>W.C.</i>	
TYPE & TEMPER			CHECKED: _____	
HEAT TREAT. SPEC.			FINAL APPROVAL: _____	
FINISH & SPEC. NO.			CK-271	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
A	1	Thermostat sym. clarified	5/23/54	1	W.C.	W.C.	A.J.J.

TOLERANCES: DEC. DIM. ±, FRAC. DIM. ±, ANGULAR DIM. ±

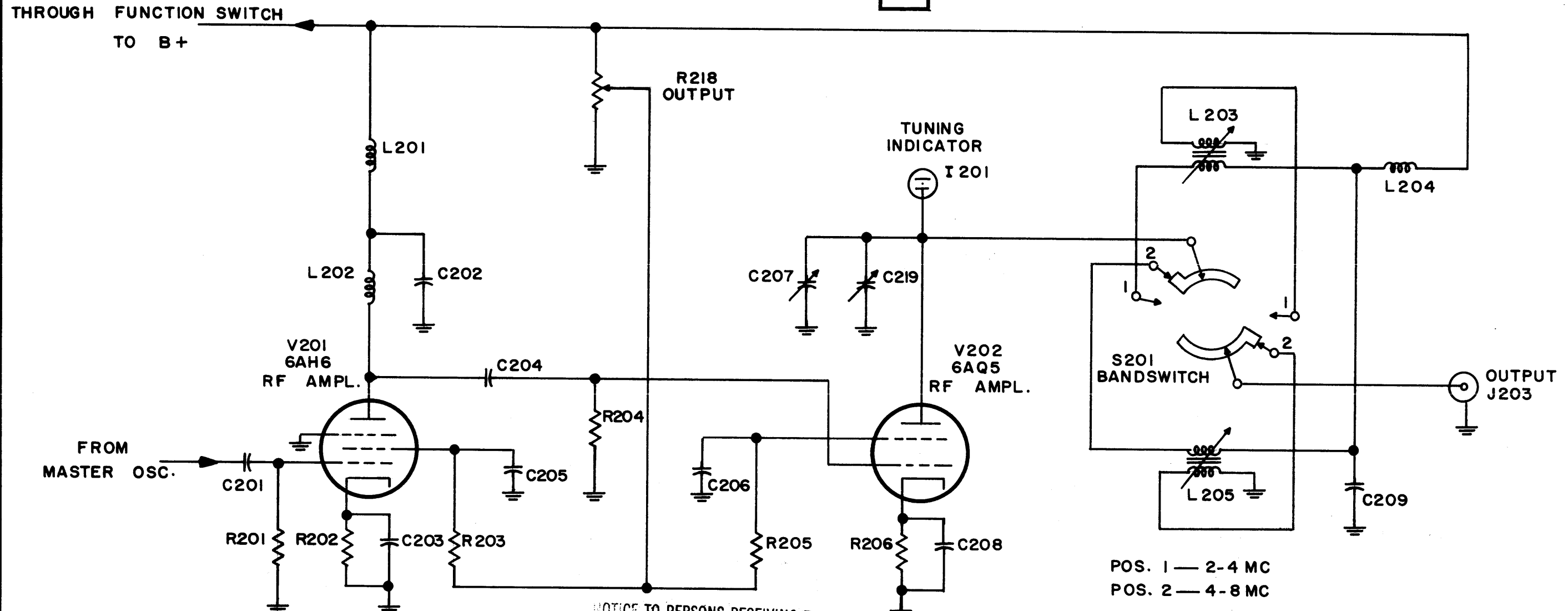
SCALE: DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

PMO	285	10-19-54
MODEL	PROJECT NO.	DATE
USED ON		

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CK-272



43

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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			FIG. 4	
			THE RF AMPLIFIER CHAIN	
			DRAWN	MECH. DES. APP.
			A. J. J.	
			CHECKED	FINAL APPROVAL
			CK-272	

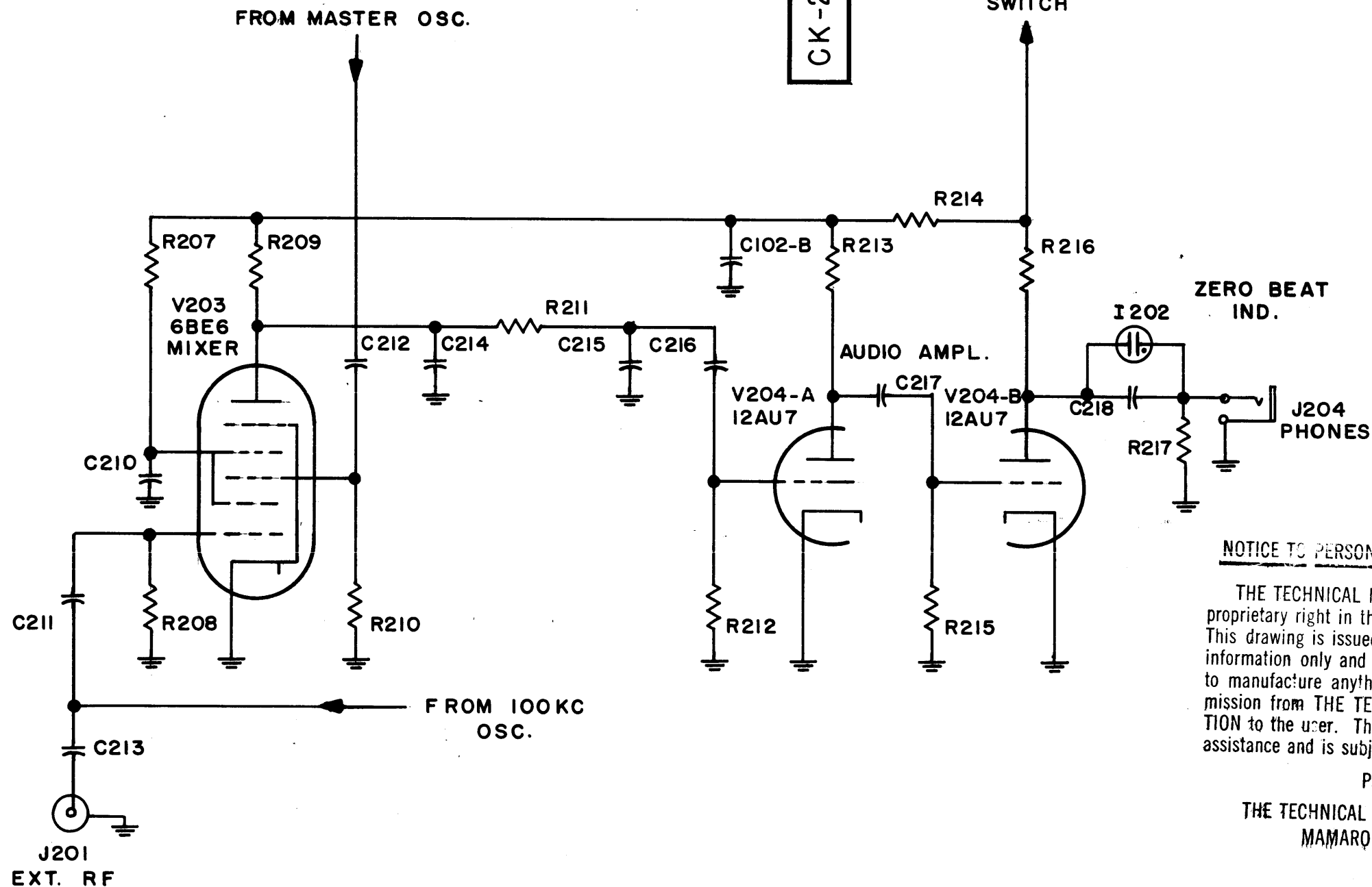
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE:					
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

PMO	285	10-18-54
MODEL	PROJECT NO.	DATE
USED ON		

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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			FIG. 5	
MATERIAL			THE MIXER-AUDIO AMP. CHAIN	
WEIGHT PER PC.			DRAWN <i>AWD</i> 10/15/54	
TYPE & TEMPER			ELEC. DES. APP. <i>WOC</i>	
HEAT TREAT. SPEC.			CHECKED <i>WOC</i> A.J.J.	
FINISH & SPEC. NO.			FINAL APPROVAL	
			CK-273	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

PMO	285	10-15-54
MODEL	PROJECT NO.	ASS'Y. NO.
USED ON		

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

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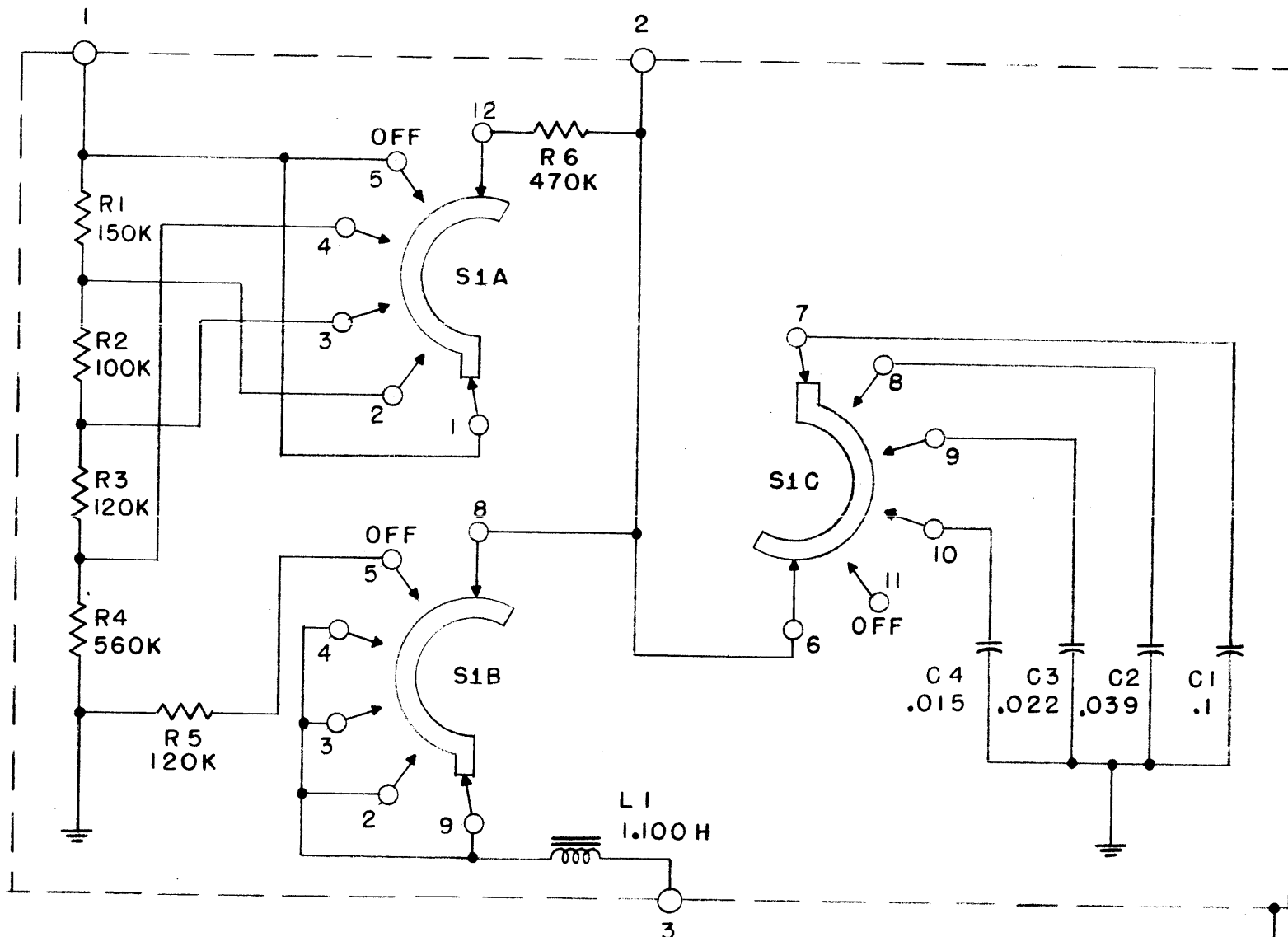
Property of:
THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

A
CK-275

SWITCH POSITIONS

1 —	OFF
2 —	1250 ~
3 —	1000 ~
4 —	750 ~
5 —	500 ~

NOTE:
SWITCH SHOWN IN POS. 5



ALL CAPACITORS ARE $\mu\text{f} \pm 5\%$
ALL RESISTORS ARE 1/2 WATT. $\pm 10\%$

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE				
MATERIAL			WEIGHT PER PC.	
			SCHMATIC DIAGRAM, NF-102	
			NETWORK, AUDIO-SELECTIVE	
TYPE & TEMPER			CDD 10-20-54	
HEAT TREAT. SPEC.				
FINISH & SPEC. NO.				

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
A	1	A-864 ADDED ON ASSY BLOCK 9-16-53 9850					

TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. \pm FRAC. DIM. \pm ANGULAR DIM. \pm	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

NF-102	A-864	10-20-54
MODEL	PROJECT NO.	DATE

USED ON

IF ANY DIMENSION IS IN THE RIGHT HAND CORNER OF THE DRAWING, IT IS TO BE TAKEN AS THE DIMENSION TO THE CENTER UNLESS OTHERWISE SPECIFIED. REMOVE ALL DIMENSIONS FROM THE DRAWING.

CHANGE ANY TOLERANCE THIS DRAWING NOTIFY

HAVE BEEN DETERMINED FOR REJECTION. SHARP EDGES

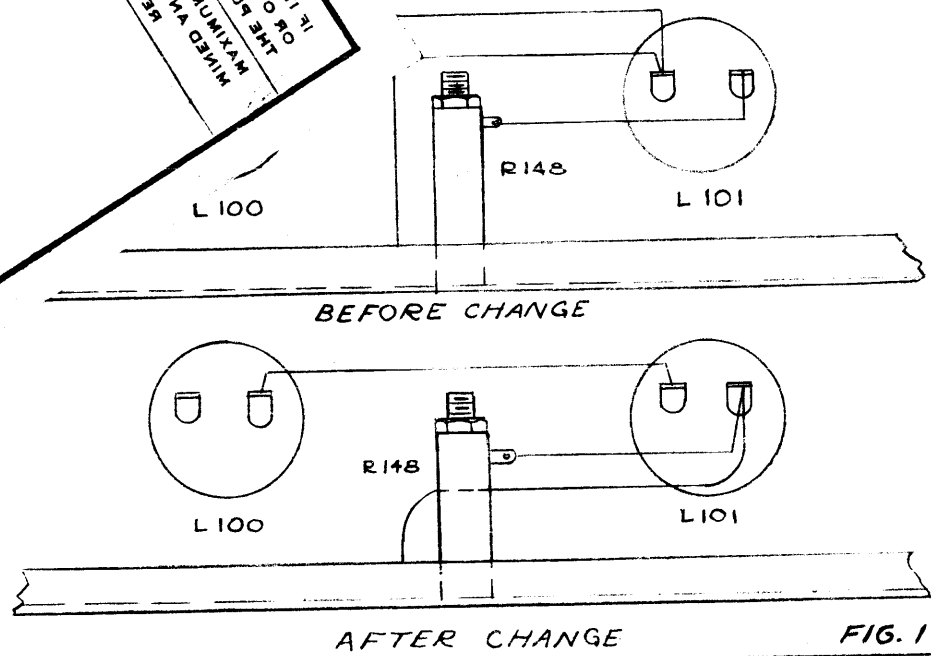


FIG. 1

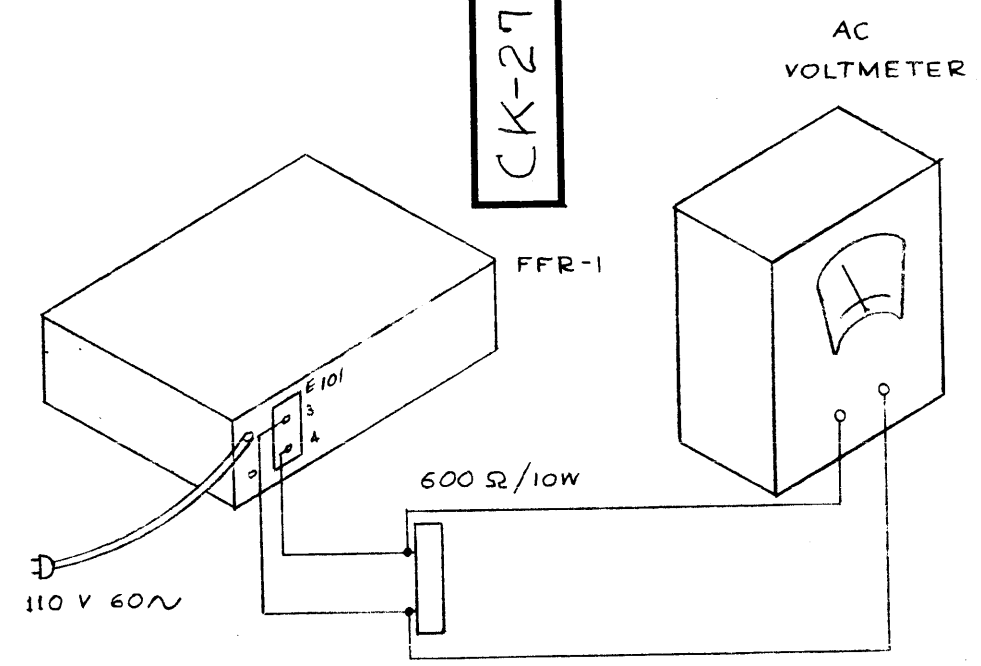


FIG. 2

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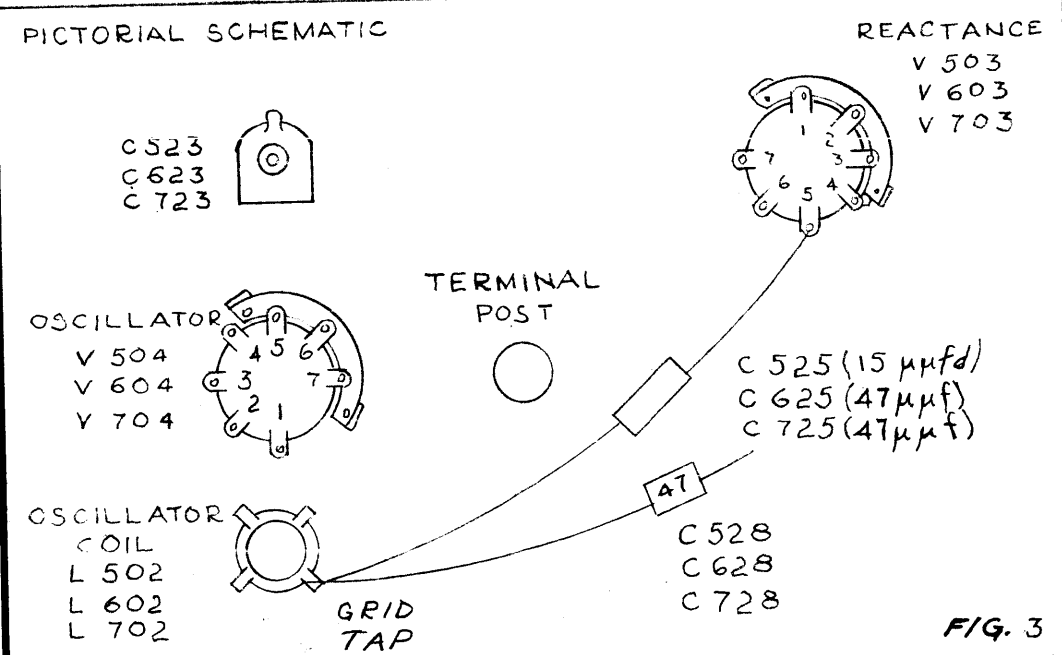


FIG. 3

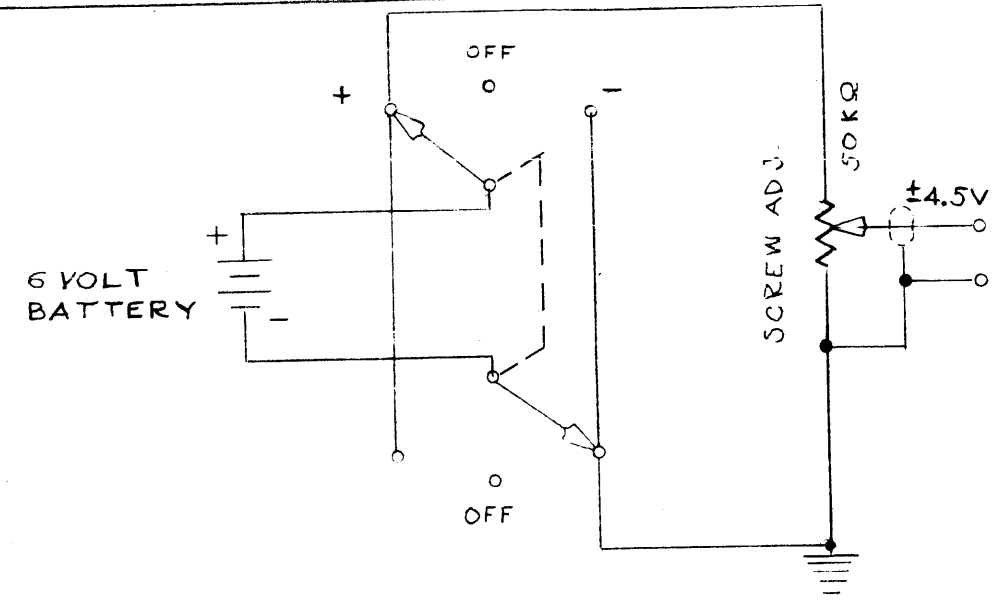


FIG. 4

TUNING DRAWER	FREQ./MC	TOTAL ΔF / KC	VOX			
			FREQ. MC	MULT.	FREQ. OUT. MC	FREQ. SHIFT PER ROT. CPS div
5	2	8	2	1	2	10 KC
5	3	12	3	1	3	10 KC
5	4	16	4	1	4	10 KC
6	4	16	4	1	4	10 KC
6	6	24	3	2	6	20 KC
6	8	32	4	2	8	20 KC
7	8	24	4	2	8	20 KC
7	12	36	4	3	12	30 KC
7	16	48	4	4	16	40 KC

FIG. 5

PART OF S-223

A	1	DWG NO. WAS S-223	10/25/54	1	JAW	G.T.O	
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE:				
ALL OTHERS	DEC. DIM. ±	FRAC. DIM. ±	ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.			
MODEL	PROJECT NO.	ASS'Y. NO.	DATE	USED ON			

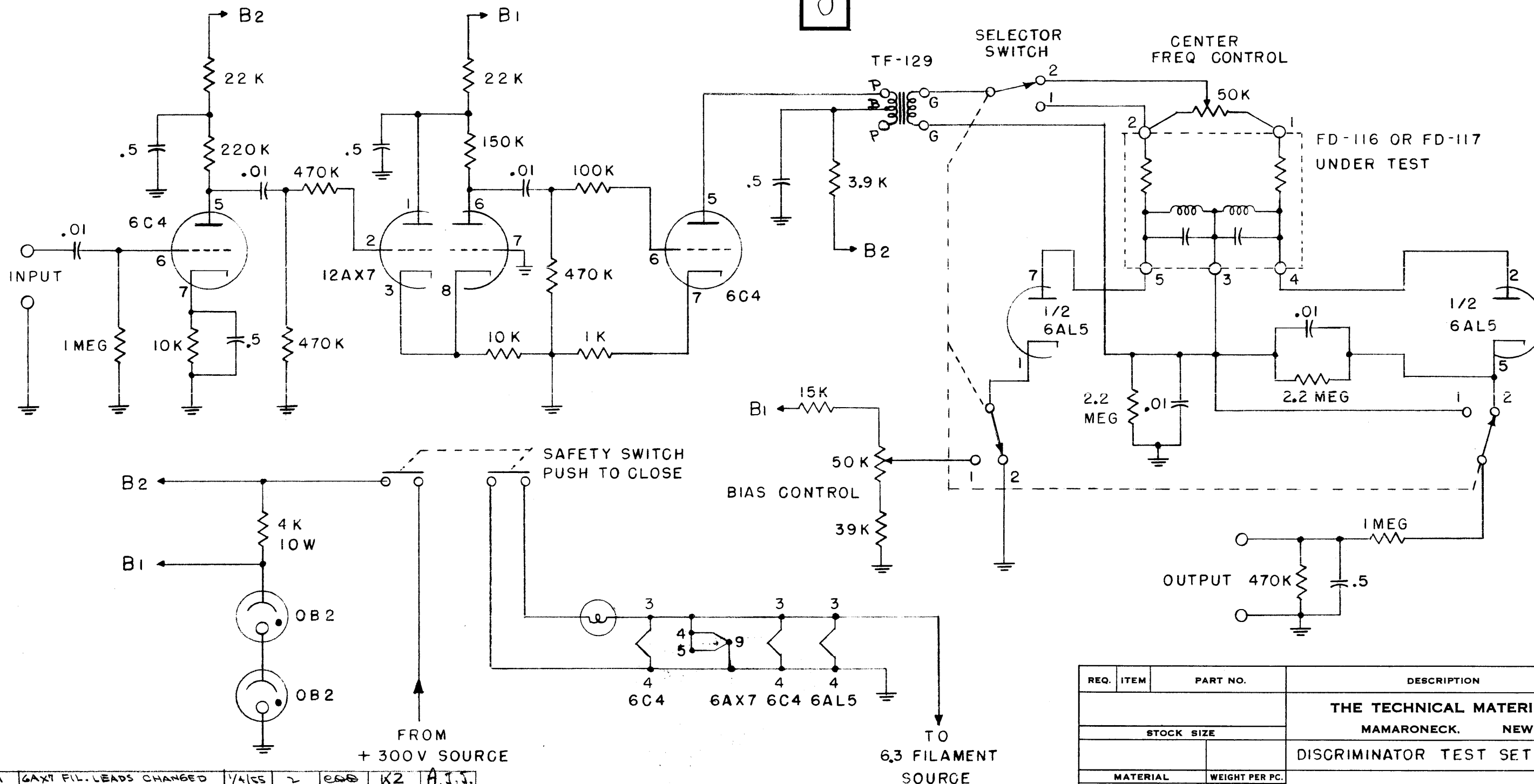
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			MODIFICATION OF FFR AND FFRD'S FOR RCAF IN RCR	
			P.B. 9-29-54	G.T.O
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	FINAL APPROVAL
			SHEET 6 OF 6	CK-276 A
			FINISH & SPEC. NO.	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

CK-277 B

SWITCH POS. 1 - FD-117
" " 2 - FD-116



B	1	6AX7 FIL. LEADS CHANGED	1/4/55	2	EDS	KZ	A.J.J.
A	2	Pin 7 of 12AX7 Grounded	12/29/54	1	JAR	KZ	A.J.J.
	1	Tube Pin Nos. Added					
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE:	
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.	
MODEL	PROJECT NO.	ASS'Y. NO.	DATE

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			DISCRIMINATOR TEST SET MODEL 100	
MATERIAL			WEIGHT PER PC.	
TYPE & TEMPER			CDD-11-3-54	KZ
HEAT TREAT. SPEC.			DRAWN	ELEC. DES. APP. MECH. DES. APP.
FINISH & SPEC. NO.			CHECKED	FINAL APPROVAL
			A.J.J.	
			CK-277 B	

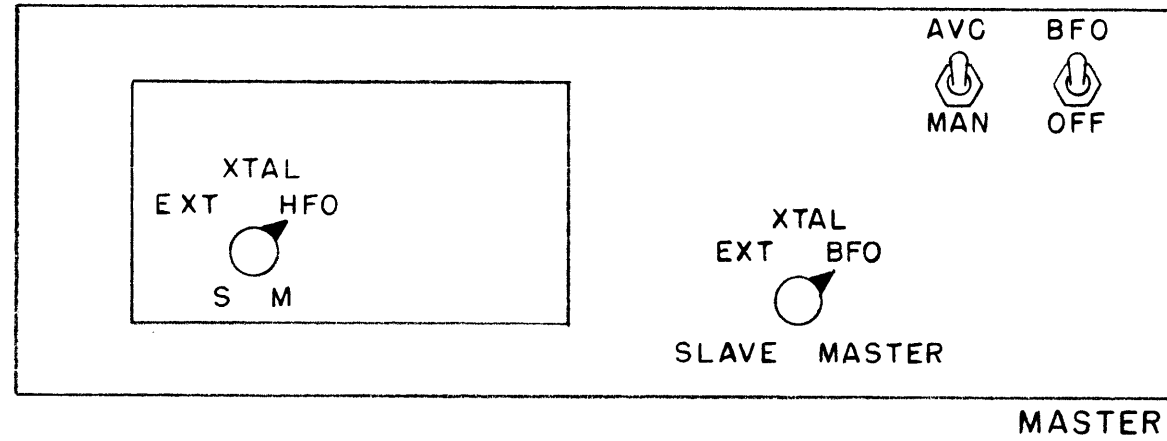
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES, HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

CK-278

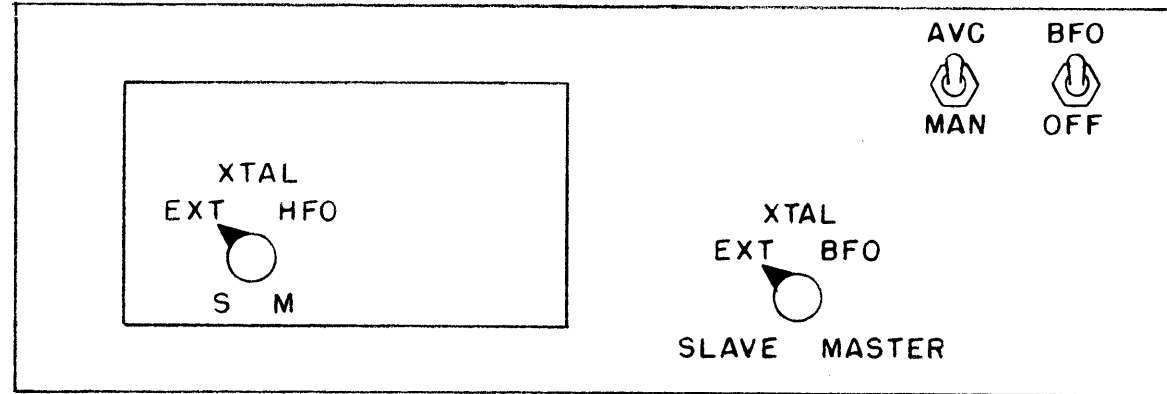
CONNECTIONS FOR DIVERSITY, VOICE OPERATION

FRONT



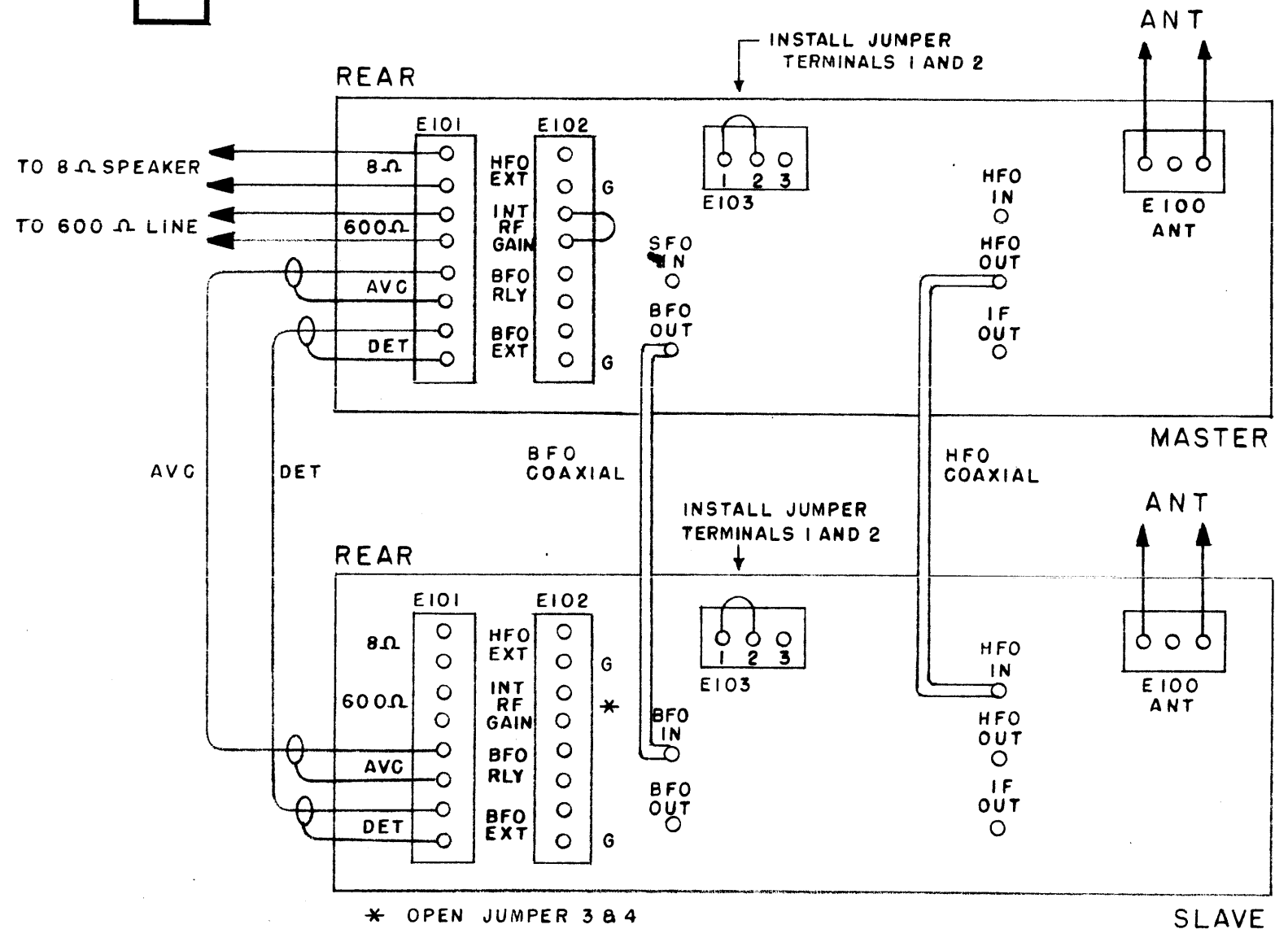
MASTER

FRONT



SLAVE

FRONT PANEL CONTROL SETTINGS



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MAMARONECK, NEW YORK

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			CONNECTIONS FOR DIVERSITY OPERATION	
			COMMUNICATION RECEIVER, MODEL FFR-1	
			CDD 10/29/54	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	FINAL APPROVAL
				CK-278

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES				SCALE:			
ALL OTHERS	DEC. DIM. ±	FRAC. DIM. ±	ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.			
	MODEL	PROJECT NO.	ASS'Y. NO.	DATE			
	USED ON						

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

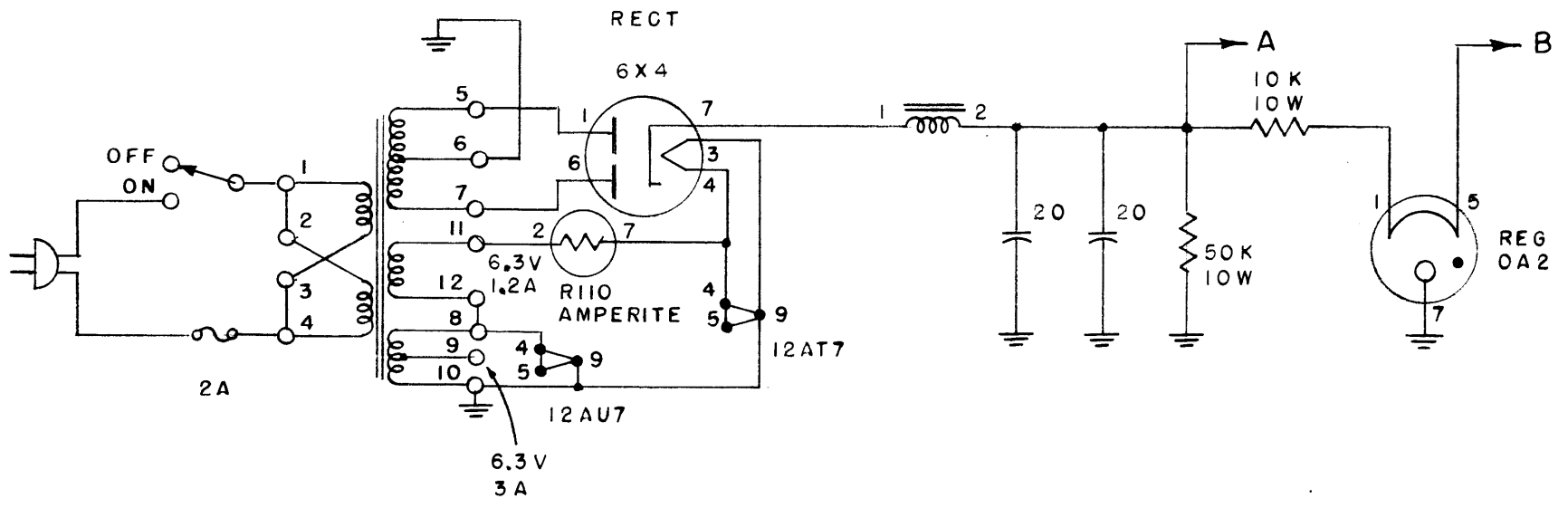
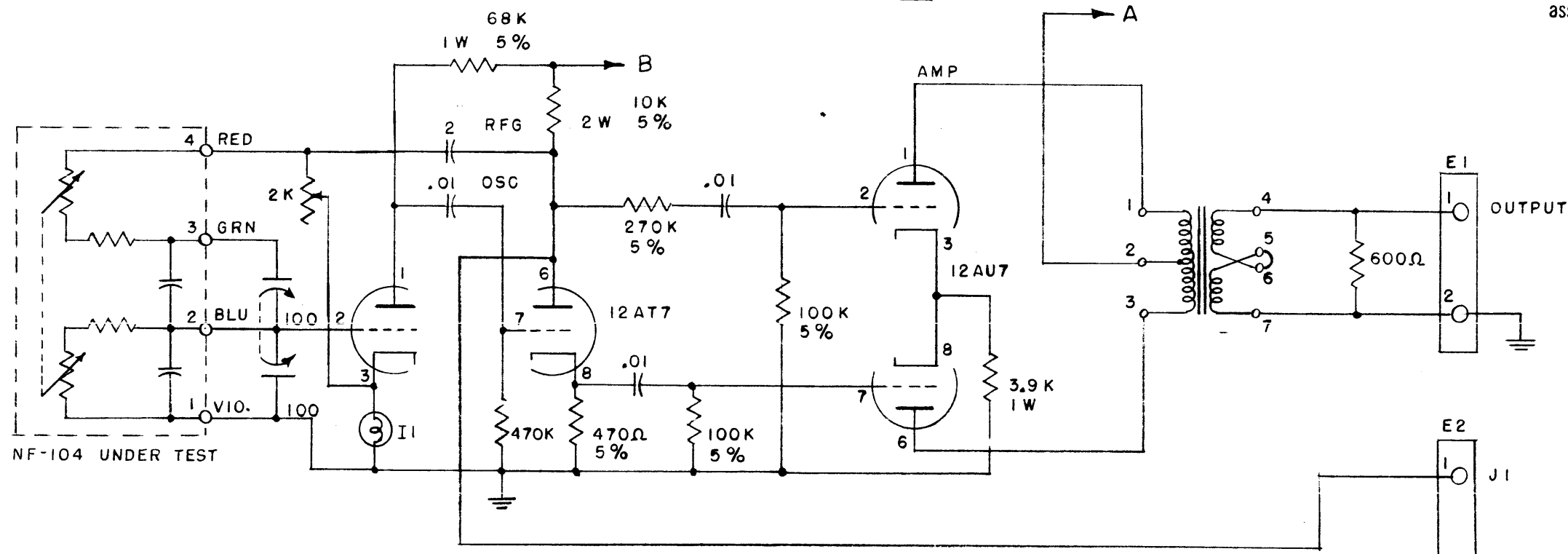
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

CK-280

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ALL CAPACITORS ARE IN μf
ALL RESISTORS ARE 1/2 W $\pm 10\%$
UNLESS OTHERWISE NOTED

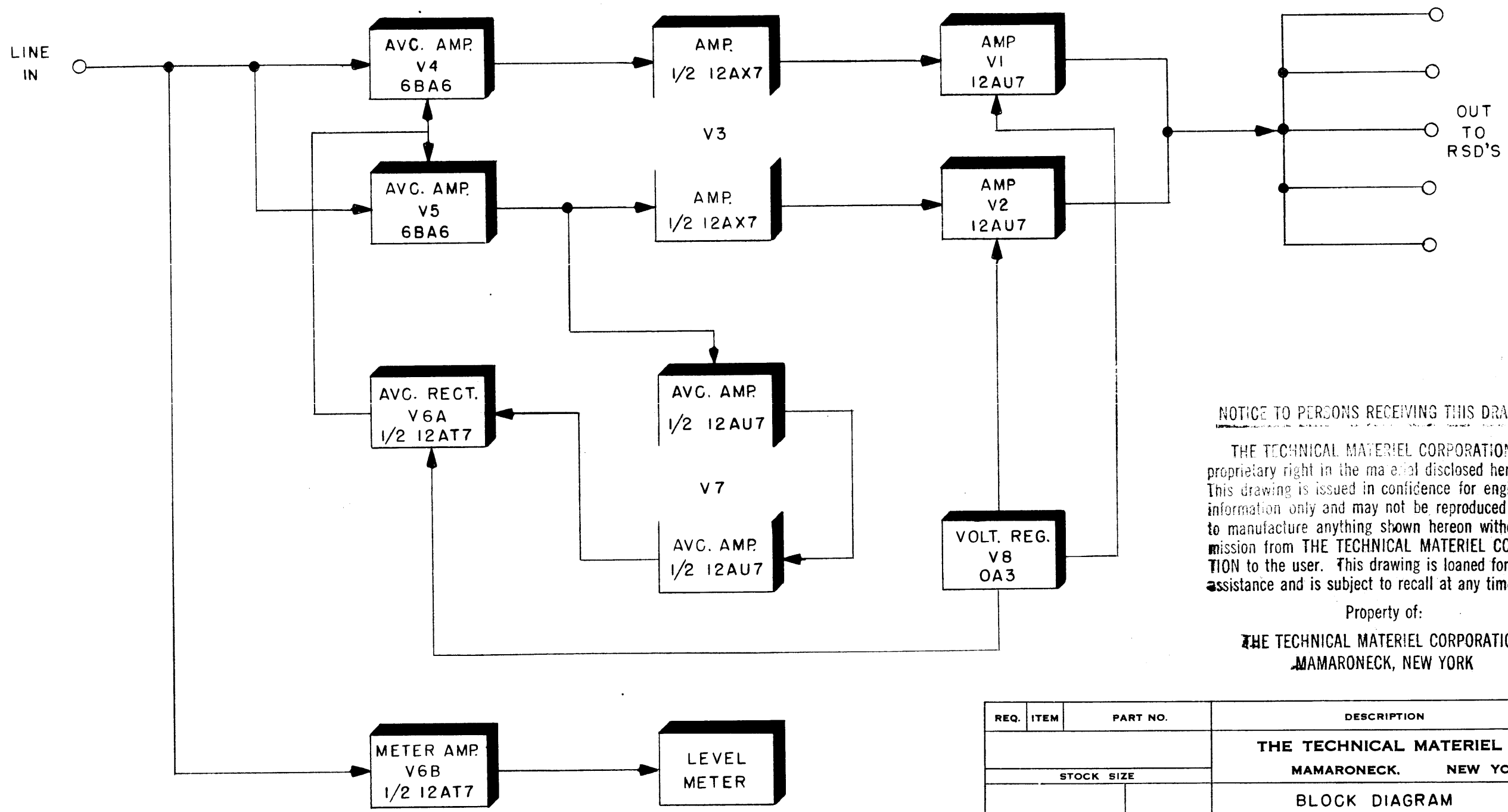
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK, NEW YORK	
STOCK SIZE		TEST SET 104		
MATERIAL		TEST OSC. RSC-2		
TYPE & TEMPER		C.D.D. 11-22-54	VZ	
HEAT TREAT. SPEC.		Drawn	ELEC. DES. APP.	MECH. DES. APP.
FINISH & SPEC. NO.		Checked	FINAL APPROVAL	
		CK-280		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
ALL OTHERS		DEC. DIM. \pm FRAC. DIM. \pm ANGULAR DIM. \pm	SCALE:				
		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.	REQ. PER UNIT				
		MODEL	PROJECT NO.	ASS'Y. NO.	DATE		
USED ON							

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

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CK-285



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE	BLOCK DIAGRAM	
		MATERIAL	RSA	
		WEIGHT PER PC.		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		FINISH & SPEC. NO.		
			PB-3-7-55	KZ
			DRAWN	ELEC. DES. APP.
			KZ	A.J.J.
			CHECKED	FINAL APPROVAL
				CK-285

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

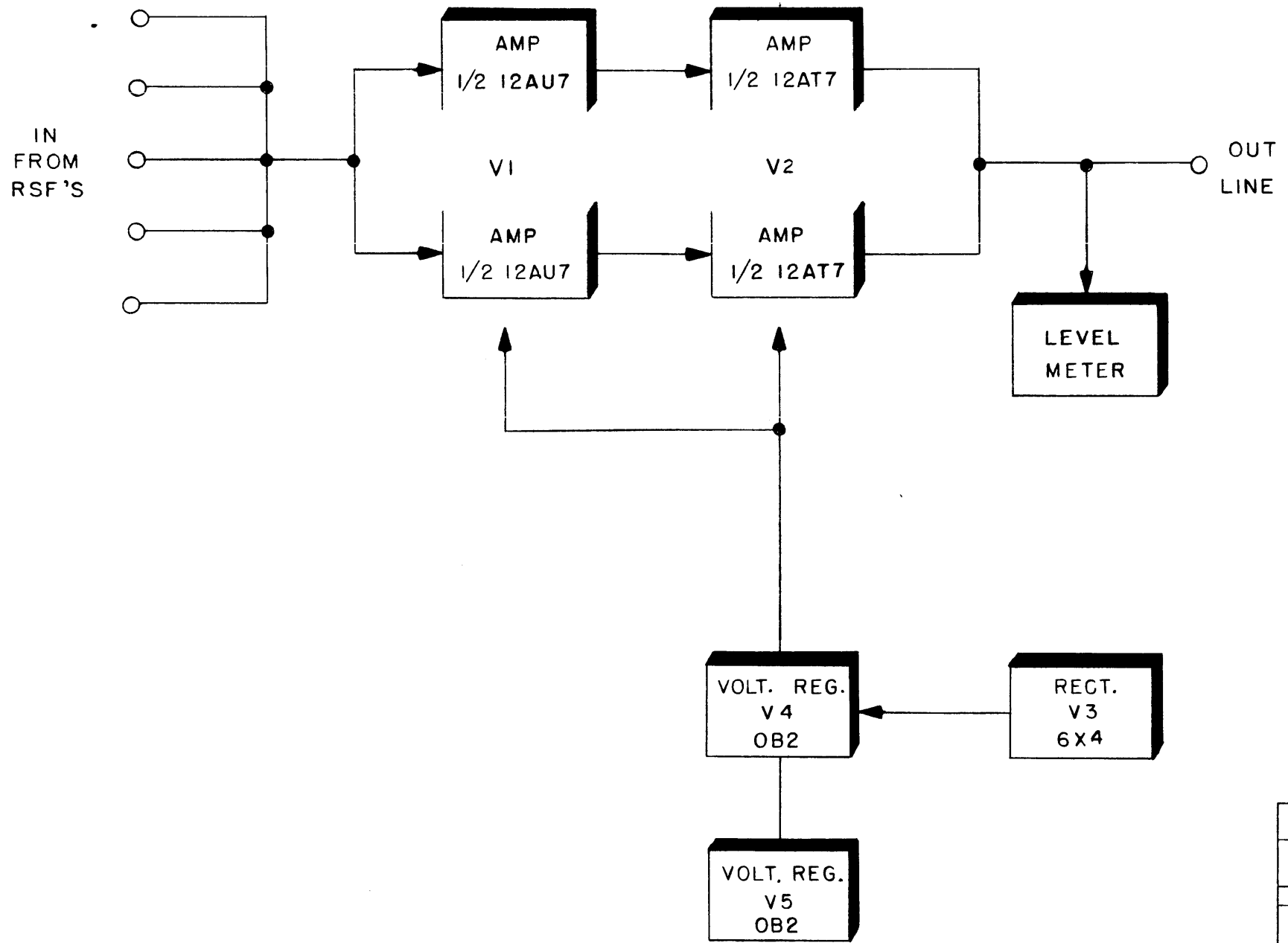
TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

A
CK-291



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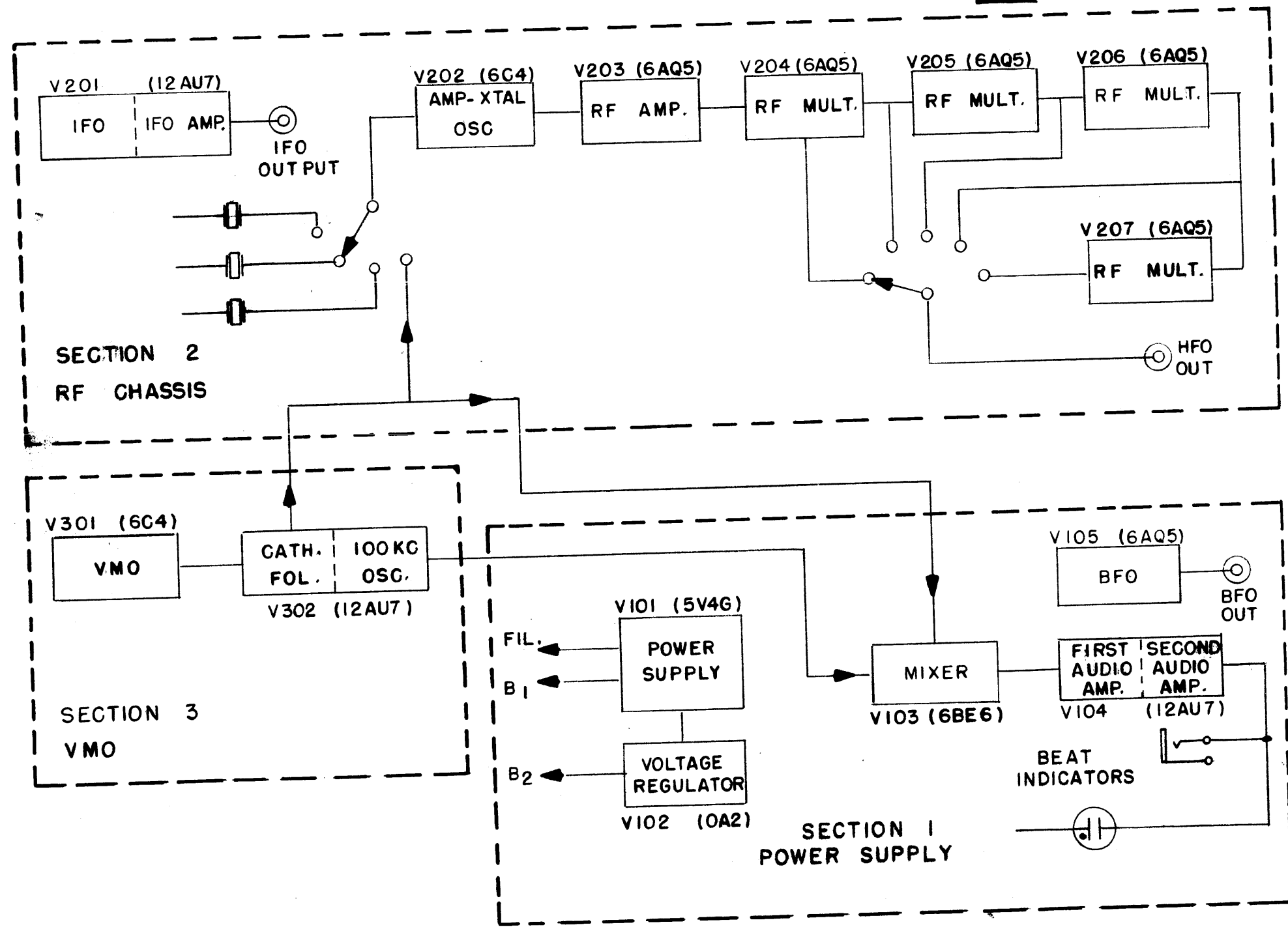
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			BLOCK DIAGRAM	
MATERIAL			RSM	
TYPE & TEMPER			P.B. 3-7-55	K2
HEAT TREAT. SPEC.			K2	A.J.J.
FINISH & SPEC. NO.			CK-291	A

A	1	WAS CK-288	3-15-55	1	P.D.	WJ	WJ
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFT	CHECKER	ENG. APP.
TOLERANCES			SCALE:				
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.				
REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE	USED ON		

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

C-K-298



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REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE			FUNCTIONAL	
MATERIAL			BLOCK DIAGRAM	
WEIGHT PER PC.				
TYPE & TEMPER			<i>HD-803</i> DRAWN	<i>HD</i> MECH. DES. APP.
HEAT TREAT. SPEC.			<i>A.J.J.</i> ELEC. DES. APP.	
FINISH & SPEC. NO.			CHECKED	FINAL APPROVAL
				CK-298

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
SCALE:							
DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.							
ALL OTHERS							
DEC. DIM. ±							
FRAC. DIM. ±							
ANGULAR DIM. ±							

VOX-1-2	PROJECT NO.	ASS'Y. NO.	DATE
MODEL			4-22-55
U E D O N			