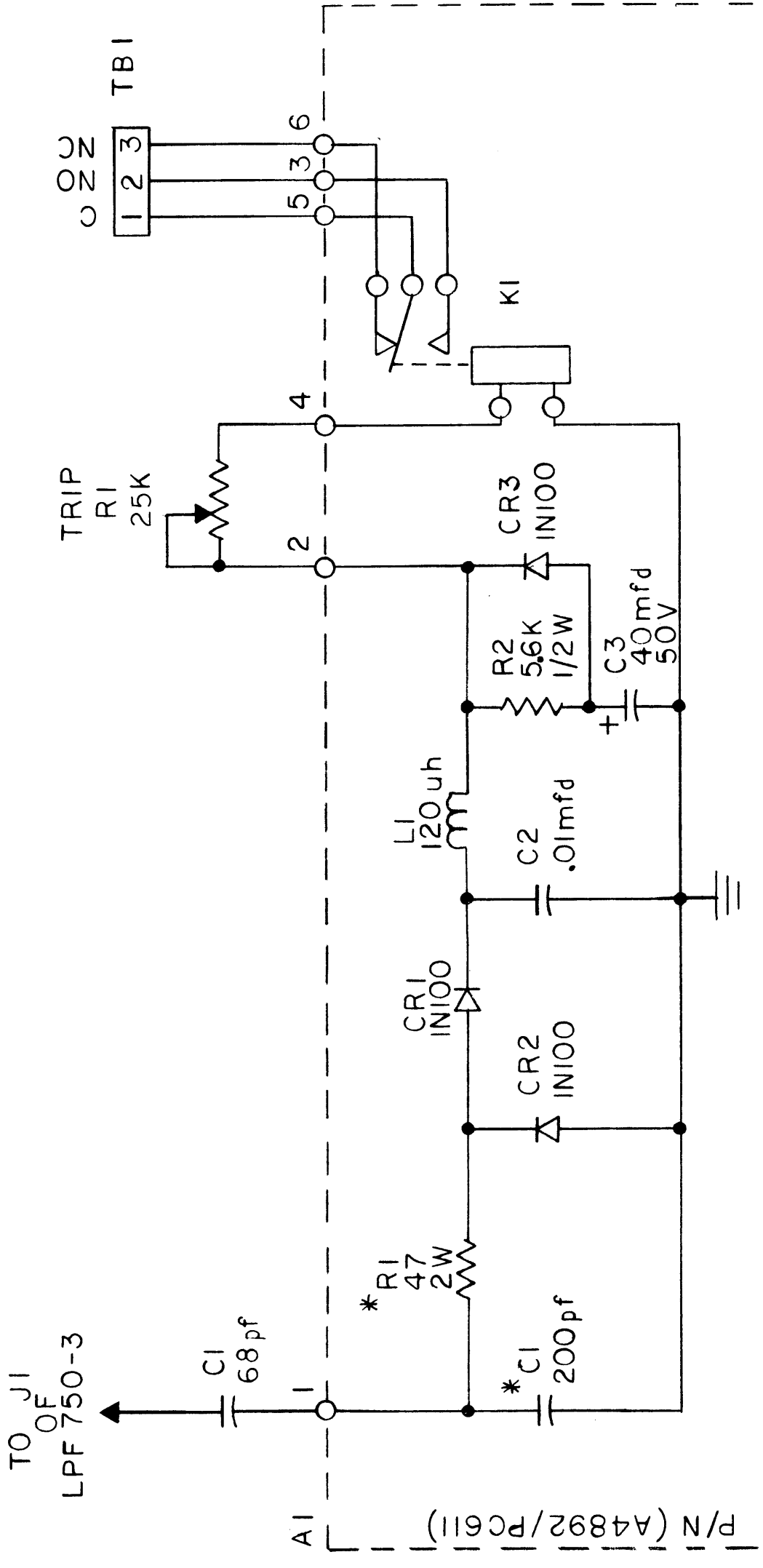


5 4 3 2 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	E.M.N.O
	Ø	ORIG RELEASE FOR PROD	9/19/71	
				APPD
				CHKD
				DRAFT
				BY

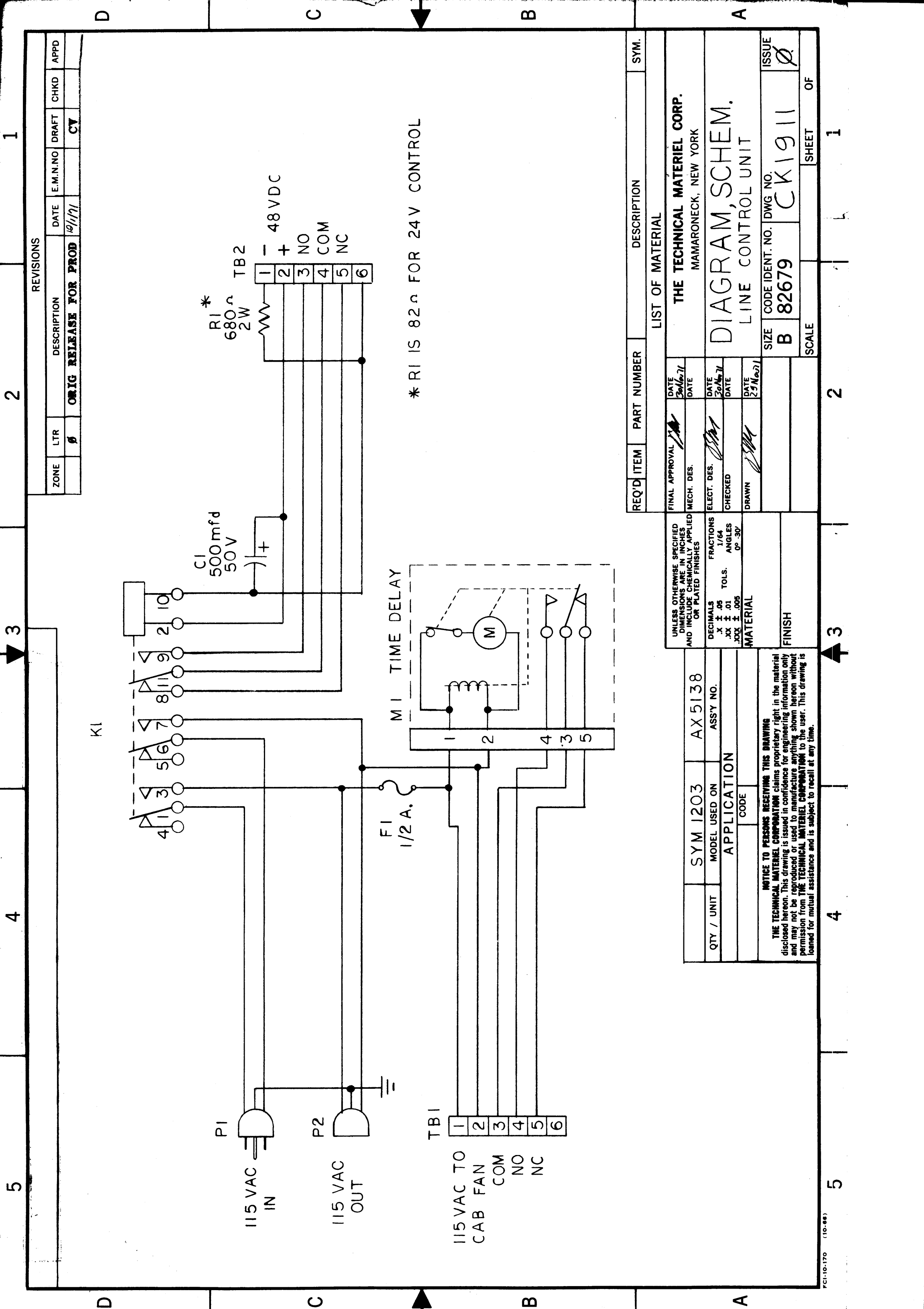


* PARTIAL REFERENCE DESIGNATIONS ARE SHOWN.
PREFIX WITH SUB-ASSEMBLY DESIGNATION. (AICI)

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
DIAGRAM, SCHEMATIC			
RF OUTPUT INDICATOR			
FINAL APPROVAL	DATE	DATE	ISSUE
MECH. DES.	19/8/71		Ø
ELECT. DES.	19/8/71		
CHECKED			
DRAWN	19/8/71		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SIZE CODE IDENT. NO. DWG NO.	
DECIMALS FRACTIONS		B 82679 CK1902	
.X ± .05 TOLS. 1/64		SCALE	
.XX ± .01 ANGLES 0°-30'		SHEET 1	
.XXX ± .005 MATERIAL		OF	
FINISH			

QTY / UNIT	SYM 1202	MODEL USED ON	AX 5137
APPLICATION		ASSY NO.	
CODE			
NOTICE TO PERSONS RECEIVING THIS DRAWING			
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4 3 2 1



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	Ø	ORIG RELEASE FOR PROD	10/1/71		CY		

LIST OF MATERIAL

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		DIAGRAM, SCHEM. LINE CONTROL UNIT	
		SIZE B	CODE IDENT. NO. CK1911
		SCALE	SHEET OF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DATE 30/10/71
MECH. DES.	DATE
ELECT. DES.	DATE 30/10/71
CHECKED	DATE
DRAWN	DATE 29/10/71
DECIMALS	FRACTIONS
X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30°
MATERIAL	
FINISH	
QTY / UNIT	SYM 1203
MODEL USED ON	AX5138
APPLICATION	
CODE	

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5 4 3 2 1

D C B A

* WHEN USING FSR-1 AX741-1 APPLIES
 WHEN USING FSS-1 AX741-2 APPLIES

Z3

AX741-5	
EXT	

Z2

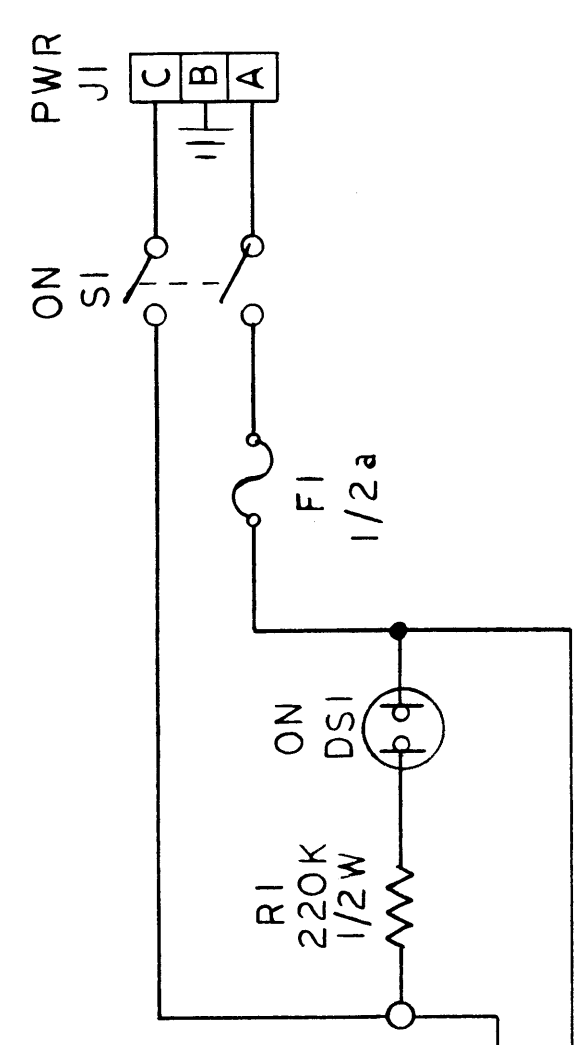
AX741-*	1	2
2210	3	4
FS RCVR	5	6
OR XMTR	7	8
	9	10
	11	12
	13	14
	15	16

J6

Z1

AX741-4	1	2
PWR SPLY	3	4
	5	6
	7	8
	9	10
	11	12
	13	14
	15	16

J5



LAST SYMBOLS	MISSING SYMBOLS
DS1	
FI	
J6	J2,3,4
R1	
SI	
XDS1	
XFI	
Z3	

FSR-1 (FSS-1) AX5157	
QTY / UNIT	MODEL USED ON
	APPLICATION
	CODE
<p>NOTICE TO PERSONS RECEIVING THIS DRAWING THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.</p>	

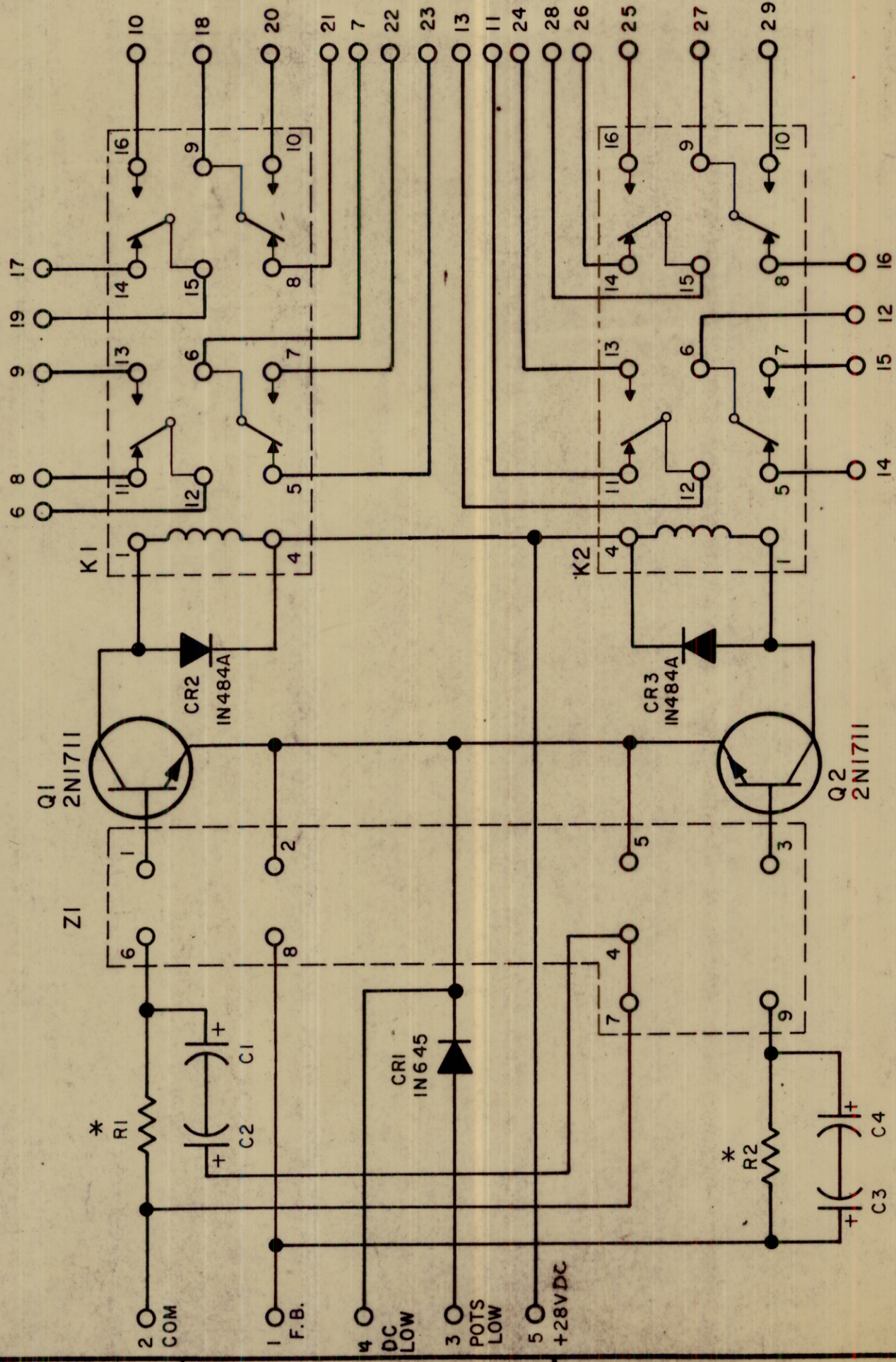
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	
DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30'
MATERIAL	
FINISH	

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP.			
MAMARONECK, NEW YORK			
DIAGRAM, WIRING			
FINAL APPROVAL	DATE	MECH. DES.	
<i>[Signature]</i>	12/17/71		
ELECT. DES.	DATE	CHECKED	
<i>[Signature]</i>	12/16/71		
DRAWN	DATE		
<i>[Signature]</i>	6 Dec 71		
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	CK1926	1
SCALE	SHEET	OF	

4 3 2 1

REVISIONS

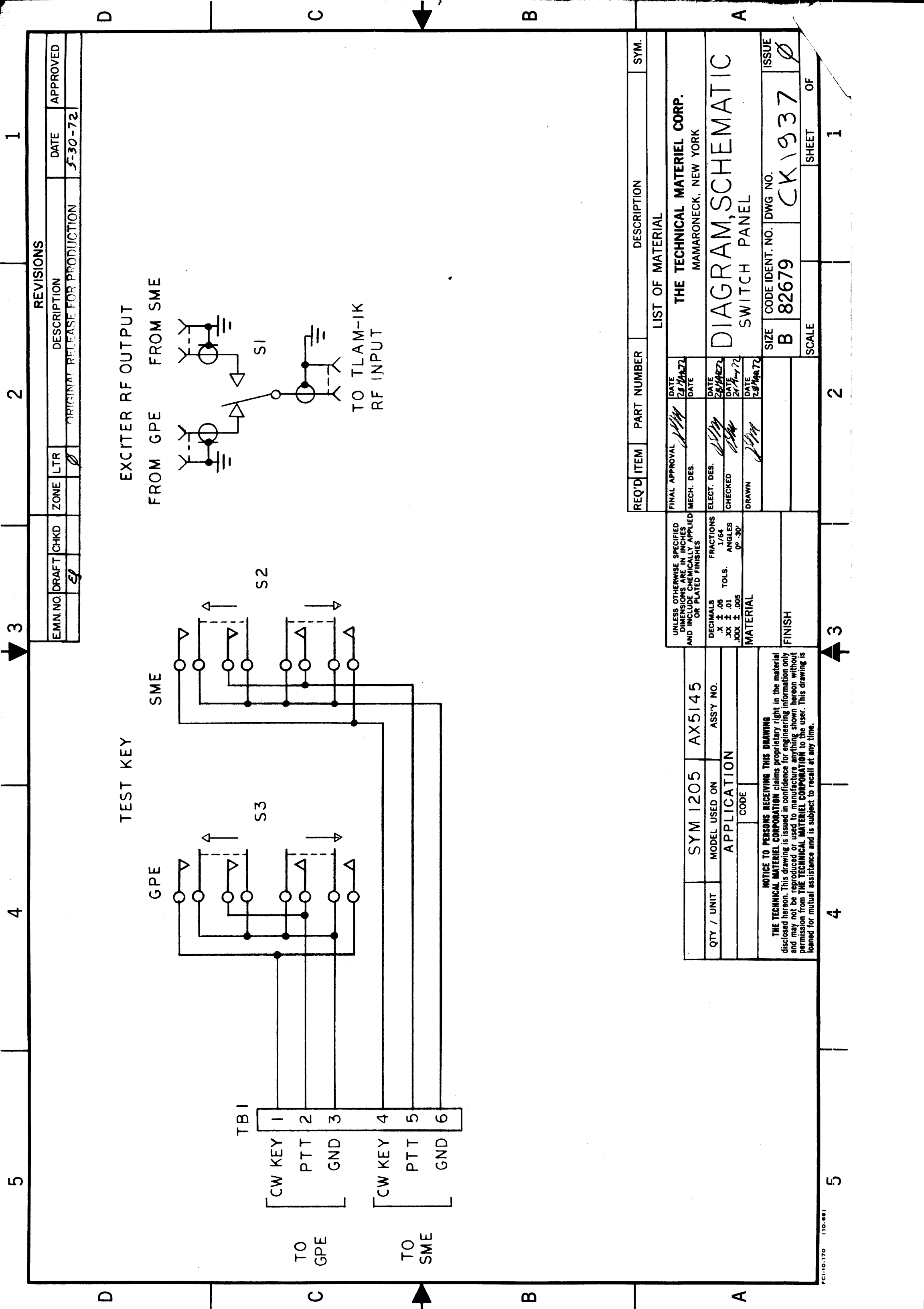
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	Ø	ORIG RELEASE FOR PROJ 3/6/72					



NOTE: UNLESS SPECIFIED OTHERWISE
 1 ALL CAPACITORS ARE 22uf, 15V
 2 ALL RESISTORS ARE 1/4 WATT
 * NOMINAL VALUE - 12K
 ACTUAL VALUE SET AT FACTORY DURING CALIBRATION

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
BUDETTI			
FINAL APPROVAL	<i>[Signature]</i>	DATE 6 MAR 72	
MECH. DES.		DATE	
ELECT. DES.	<i>[Signature]</i>	DATE 6 MAR 72	
CHECKED	<i>[Signature]</i>	DATE 6 MAR 72	
DRAWN	<i>[Signature]</i>	DATE 6 MAR 72	
S 401-380(CS255)		SIZE B	CODE IDENT. NO. DWG NO. CK1934
		SCALE	SHEET 1 OF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	FRACTIONS 1/64	DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLS. ANGLES 0° .30'	FINISH MATERIAL
HELA-10K AX 5113				
QTY / UNIT	MODEL USED ON	ASS'Y NO.		
APPLICATION				
CODE				
<p>NOTICE TO PERSONS RECEIVING THIS DRAWING THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.</p>				



TEST KEY

GPE

SME

EXCITER RF OUTPUT

FROM GPE FROM SME

TO TLM-1K RF INPUT

TBI

[CW KEY 1]

[PTT 2]

[GND 3]

[CW KEY 4]

[PTT 5]

[GND 6]

TO GPE

TO SME

EM.N.O.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
					ORIGINAL RELEASE FOR PRODUCTION	5-30-72	

REVISIONS

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
DIAGRAM, SCHEMATIC SWITCH PANEL			
FINAL APPROVAL	DATE	DATE	ISSUE
	28 MAR 72		Ø
MECH. DES.			
ELECT. DES.	DATE	DATE	SIZE
	28 MAR 72		B
CHECKED	DATE	DATE	CODE IDENT. NO.
	28 MAR 72		82679
DRAWN	DATE	DATE	DWG NO.
	28 MAR 72		CK 1937
SCALE			SHEET OF
			1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: X ± .05, .XX ± .01, .XXX ± .005

FRACTIONS: 1/64

TOLS. ANGLES: 0°-30'

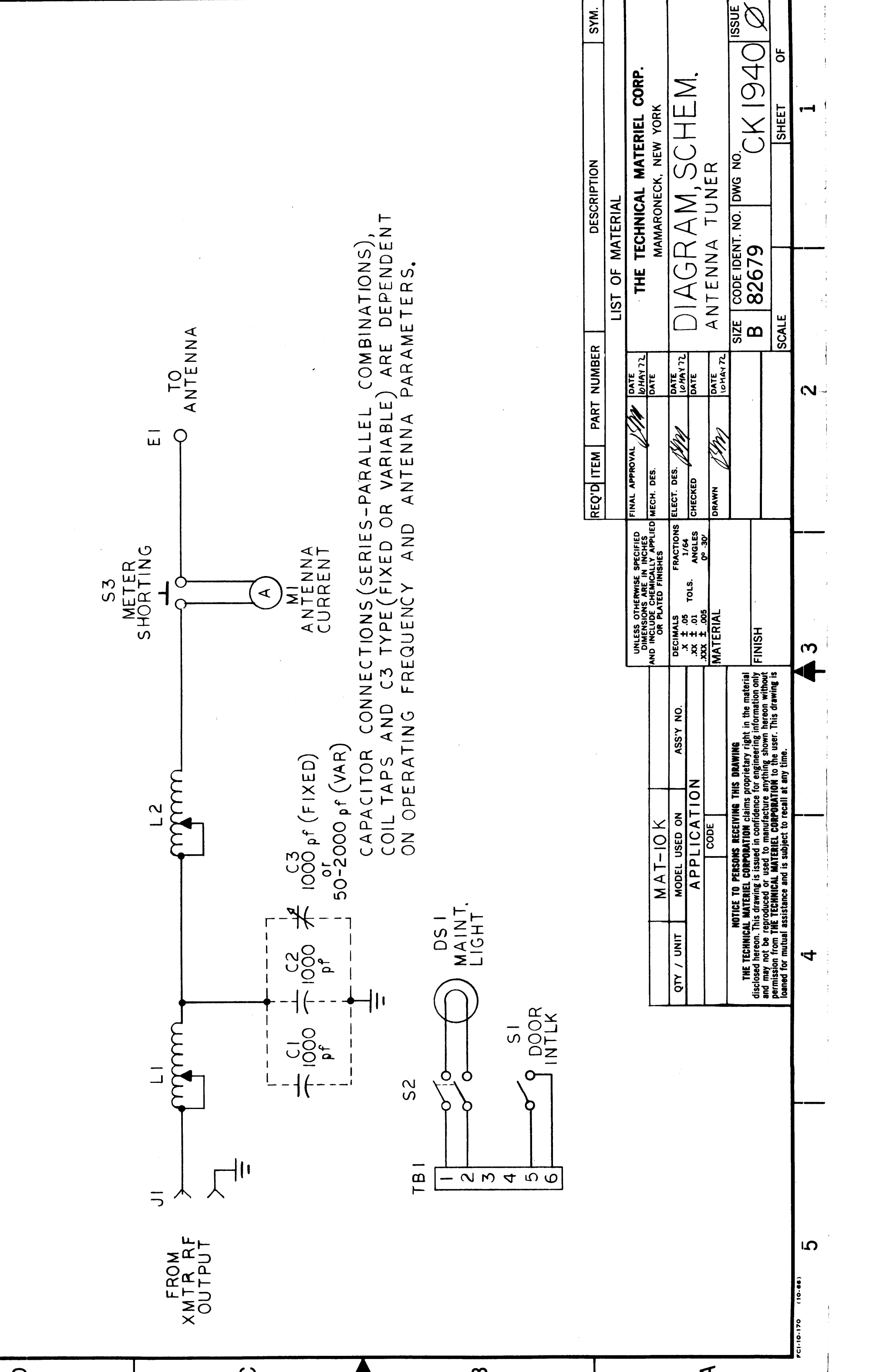
MATERIAL: FINISH

QTY / UNIT	SYM 1205	AX5145
MODEL USED ON	APPLICATION	
ASSY NO.	CODE	
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5 4 3 2 1

REVISIONS			
EMN NO	DRAFT	CHKD	ZONE
	G.E.		Ø

DESCRIPTION	DATE	APPROVED
ORIGINAL RELEASE FOR PRODUCTION	5/15/72	

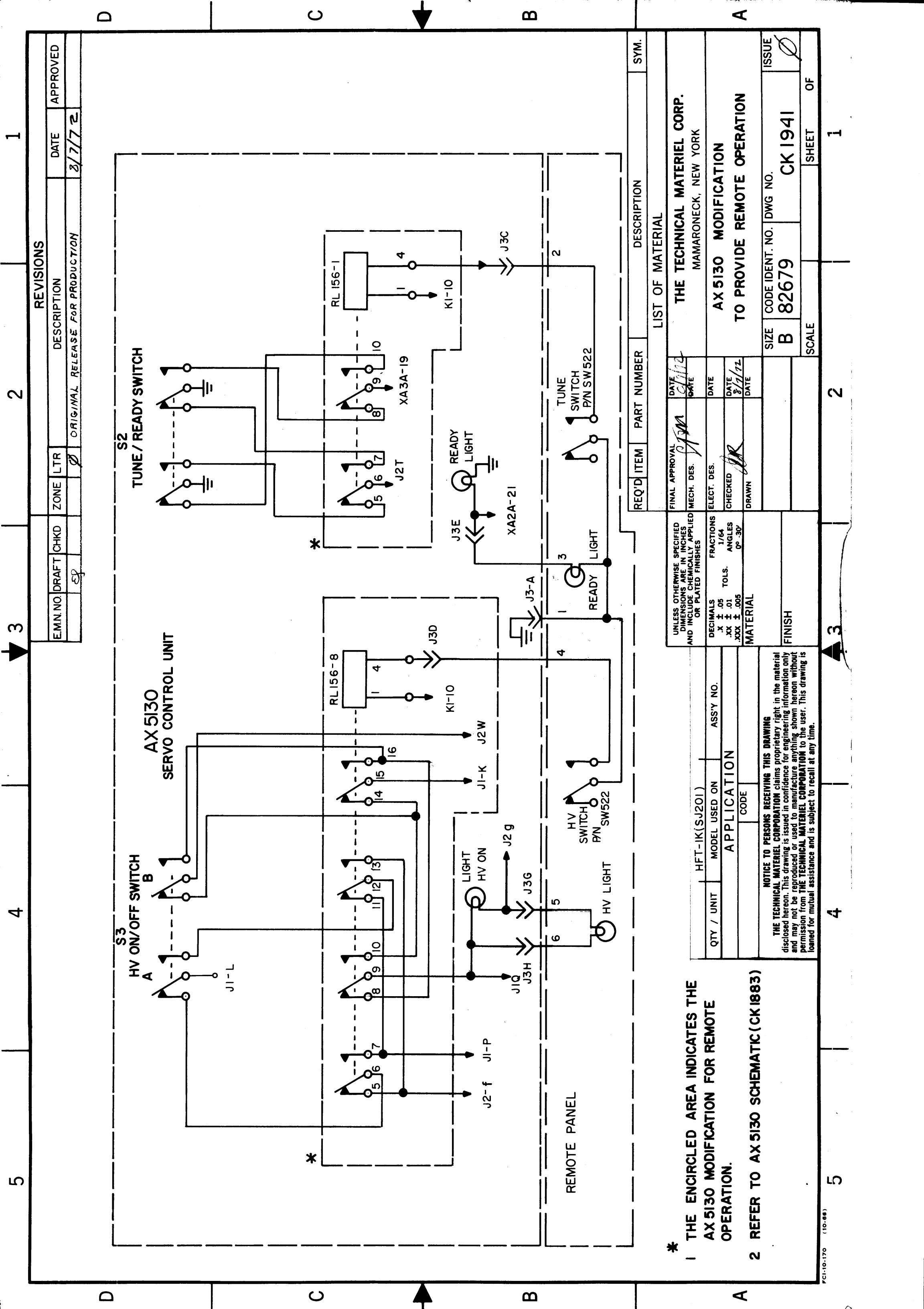


CAPACITOR CONNECTIONS (SERIES-PARALLEL COMBINATIONS), COIL TAPS AND C3 TYPE (FIXED OR VARIABLE) ARE DEPENDENT ON OPERATING FREQUENCY AND ANTENNA PARAMETERS.

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
DIAGRAM, SCHEM. ANTENNA TUNER			
FINAL APPROVAL	DATE 10/14/72	DATE 10/14/72	DATE 10/14/72
MECH. DES.			
ELECT. DES.			
CHECKED			
DRAWN			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SIZE CODE IDENT. NO. DWG NO. CK 1940	
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		SCALE B 82679	
FRACTIONS 1/64		SHEET 1	
ANGLES 0° .30'		OF 1	
MATERIAL		ISSUE Ø	
FINISH			

QTY / UNIT	MODEL USED ON	ASS'Y NO.
	MAT-10 K	
APPLICATION		
	CODE	
<p>NOTICE TO PERSONS RECEIVING THIS DRAWING</p> <p>THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.</p>		

5 4 3 2 1



REVISIONS							
EM.N.O.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	EP				ORIGINAL RELEASE FOR PRODUCTION	8/7/72	

- * THE ENCIRCLED AREA INDICATES THE AX 5130 MODIFICATION FOR REMOTE OPERATION.
- 2 REFER TO AX 5130 SCHEMATIC (CK 1883)

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
AX 5130 MODIFICATION TO PROVIDE REMOTE OPERATION				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	CK 1941	Ø	
SCALE	SHEET	OF		

QTY / UNIT	MODEL USED ON	ASSY NO.
	HFT-1K(SJ201)	
APPLICATION		
	CODE	
MATERIAL		
FINISH		

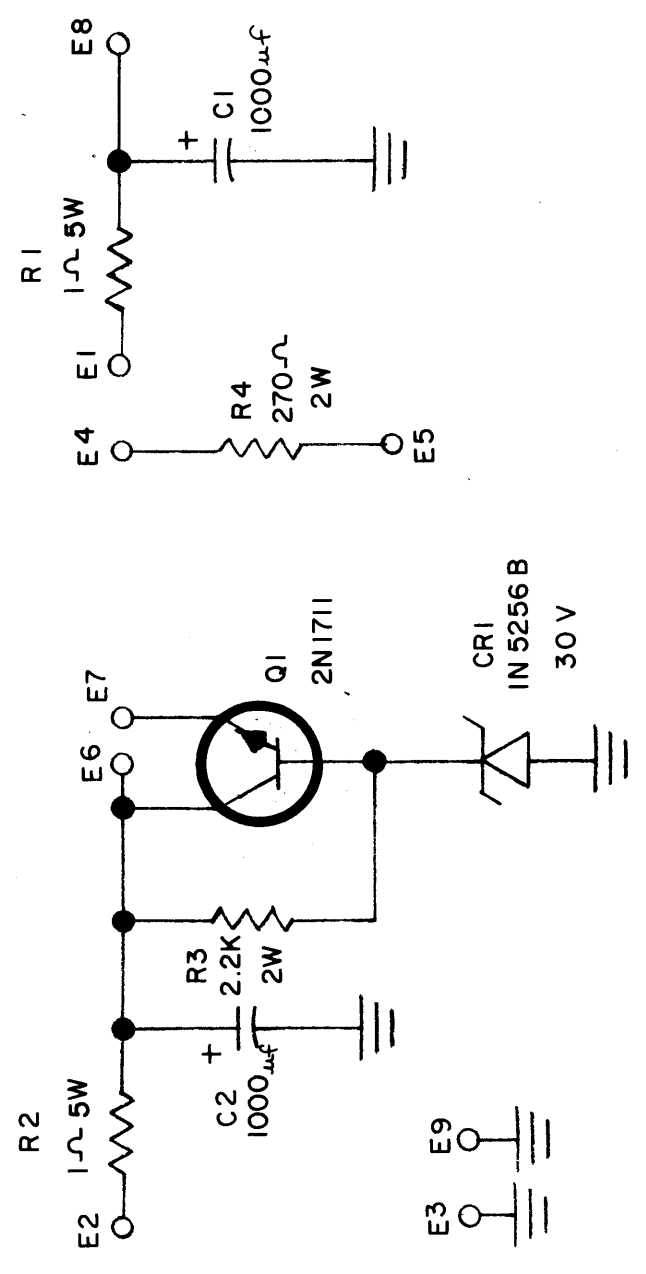
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X ± .05
FRACTIONS: 1/64
TOLS.: .XX ± .01
ANGLES: °.30'

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REVISIONS			
EM.N NO.	DRAFT	CHKD	ZONE
20984	GE		
	GE		

DESCRIPTION	DATE	APPROVED
ORIGINAL RELEASE FOR PRODUCTION	11-21-72	
A VALUE OF R1 & R2 WAS 2W	1-31-73	



SYMBOL SERIES 600

LAST SYMBOL	MISSING SYMBOL
C2	
CR1	
E9	
Q1	
R4	

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
O. POSE			
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
DIAGRAM SCHEMATIC POWER SUPPLY			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	CK1963	A
SCALE 2:1		SHEET	OF
		1	1

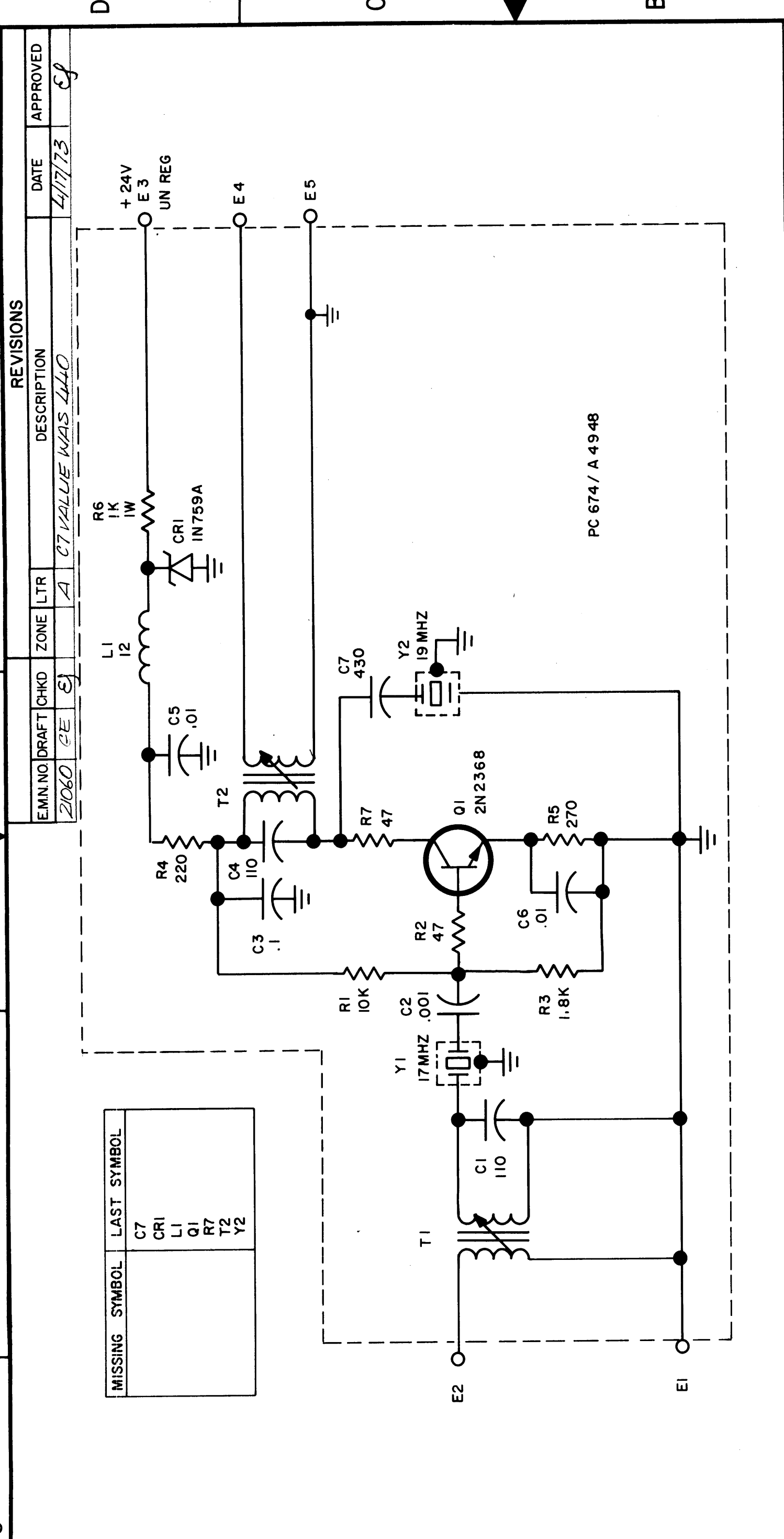
REF. PC 651

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DECIMALS	TOLS.	FRACTIONS	ANGLES
	X ± .05	.XX ± .01	1/64	90° .30'
MATERIAL				
FINISH				

QTY / UNIT	MODEL USED ON	ASSY NO.
1	RSU-1	A4926
APPLICATION		
CODE		

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5 4 3 2 1



PC 674 / A 4948

MISSING SYMBOL	LAST SYMBOL
C7	CR1
CR1	L1
L1	Q1
Q1	R7
R7	T2
T2	Y2

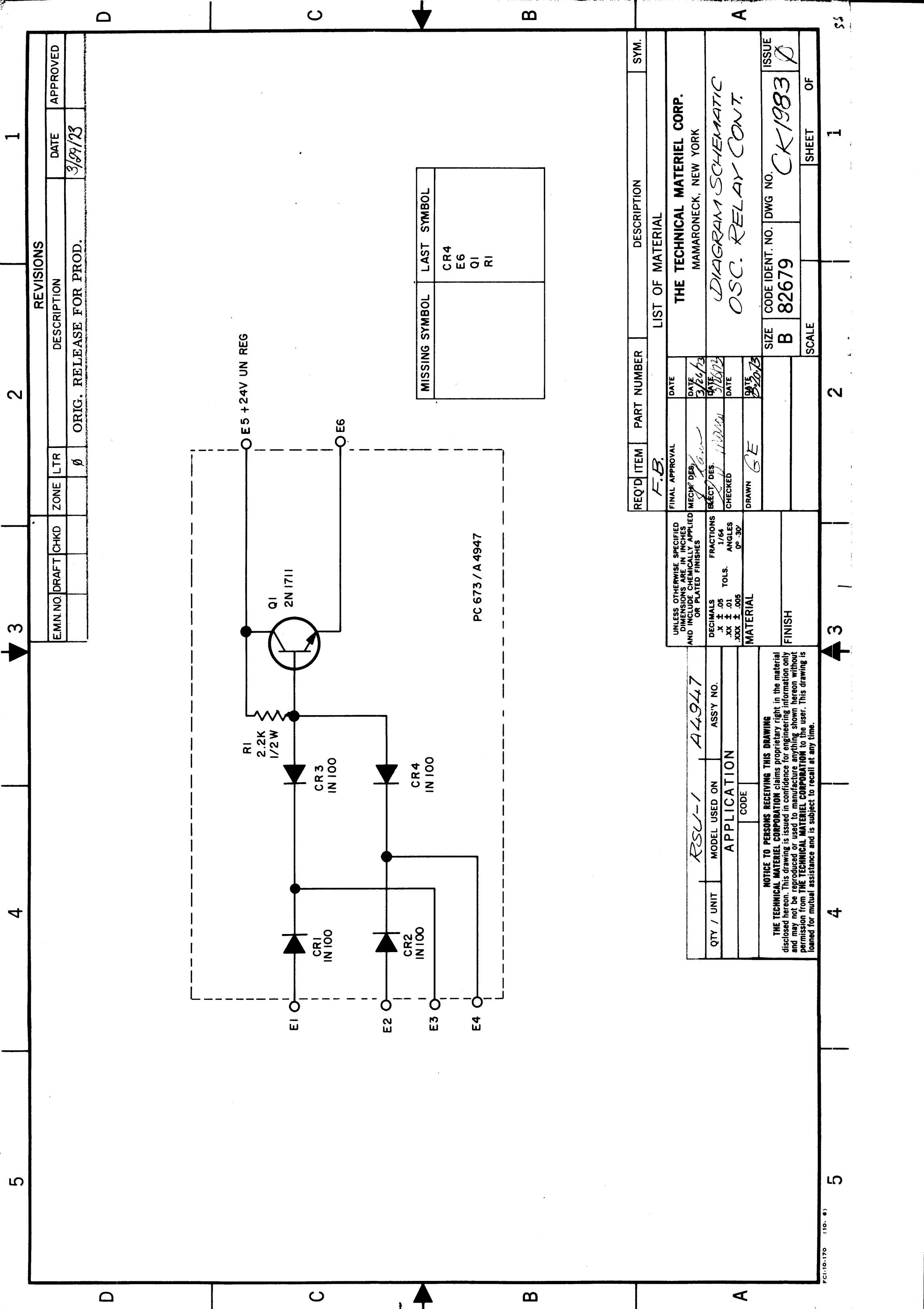
REVISIONS

EMN NO	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
21060	GE	EJ	A		C7 VALUE WAS 440	4/17/73	EJ

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F.B.			
FINAL APPROVAL	DATE	23 Mar 73	
MECH. DES.	DATE	23 Mar 73	
ELECT. DES.	DATE	23 Mar 73	
CHECKED	DATE	23 Mar 73	
DRAWN	DATE	3/20/73	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		LIST OF MATERIAL	
DECIMALS	FRACTIONS	THE TECHNICAL MATERIEL CORP.	
.X ± .05	1/64	MAMARONECK, NEW YORK	
.XX ± .01	ANGLES	17MHZ TUNING CKT.	
.XXX ± .005	0°-30'	SIZE	CODE IDENT. NO. DWG NO.
MATERIAL	FINISH	B	82679 CK1968
NOTICE TO PERSONS RECEIVING THIS DRAWING		SCALE	SHEET OF
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KIT 375	MODEL USED ON	ASS'Y NO.
	APPLICATION	
	CODE	

D C B A



PC 673 / A 4947

MISSING SYMBOL	LAST SYMBOL
	CR4
	E6
	Q1
	RI

REVISIONS			
EM.N.O.	DRAFT	CHKD	ZONE
			Ø
DESCRIPTION			DATE
ORIG. RELEASE FOR PROD.			3/29/73
			APPROVED

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP.			
MAMARONECK, NEW YORK			
DIAGRAM SCHEMATIC			
OSC. RELAY CONT.			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	CK1983	Ø
SCALE		SHEET	OF
		1	1

QTY / UNIT	MODEL USED ON	ASSY NO.
	RSU-1	A4947
APPLICATION		
CODE		
MATERIAL		
FINISH		

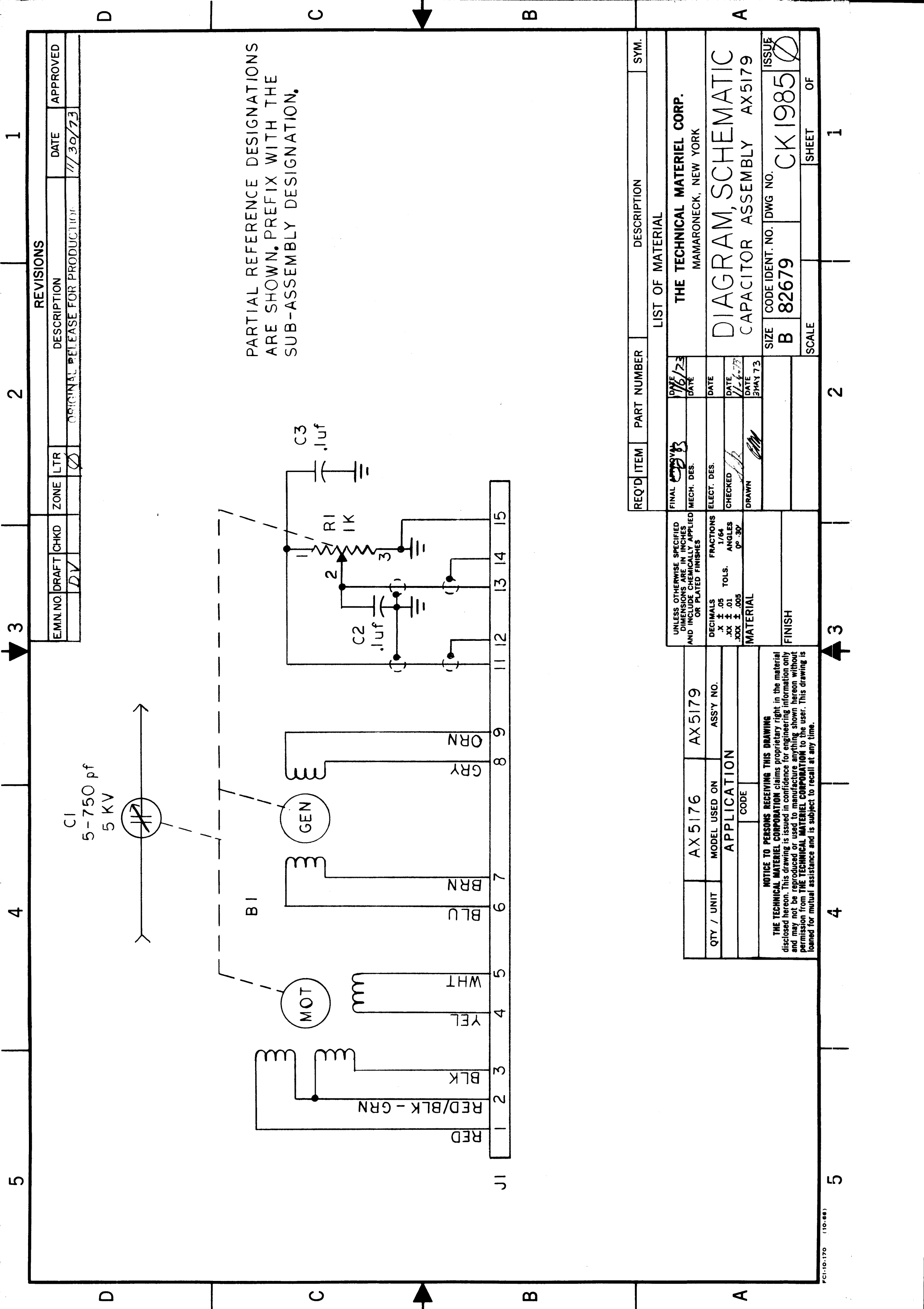
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X ± .05, .XX ± .01, .XXX ± .005

FRACTIONS: 1/64

TOLS. ANGLES: 0°-30'

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REVISIONS							
EM.N. NO.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	DV			Ø	ORIGINAL RELEASE FOR PRODUCTION	11/30/73	

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL			
FINAL	DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.	11/16/73	MAMARONECK, NEW YORK	
ELECT. DES.	DATE	DIAGRAM, SCHEMATIC	
CHECKED	DATE	CAPACITOR ASSEMBLY AX5179	
DRAWN	DATE	SIZE	ISSUE
	3 MAY 73	B	CK 1985
		CODE IDENT. NO.	DWG NO.
		82679	
		SCALE	SHEET OF
			1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	AX5176	AX5179
DECIMALS	MODEL USED ON	ASS'Y NO.
.X ± .05	APPLICATION	
.XX ± .01	CODE	
.XXX ± .005		
FRACTIONS		
1/64		
ANGLES		
0° - 30°		
MATERIAL		
FINISH		

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