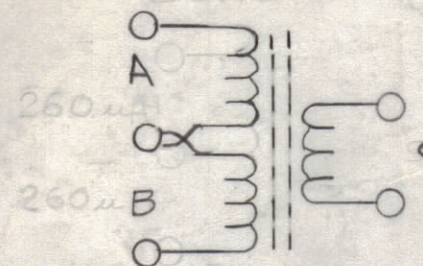
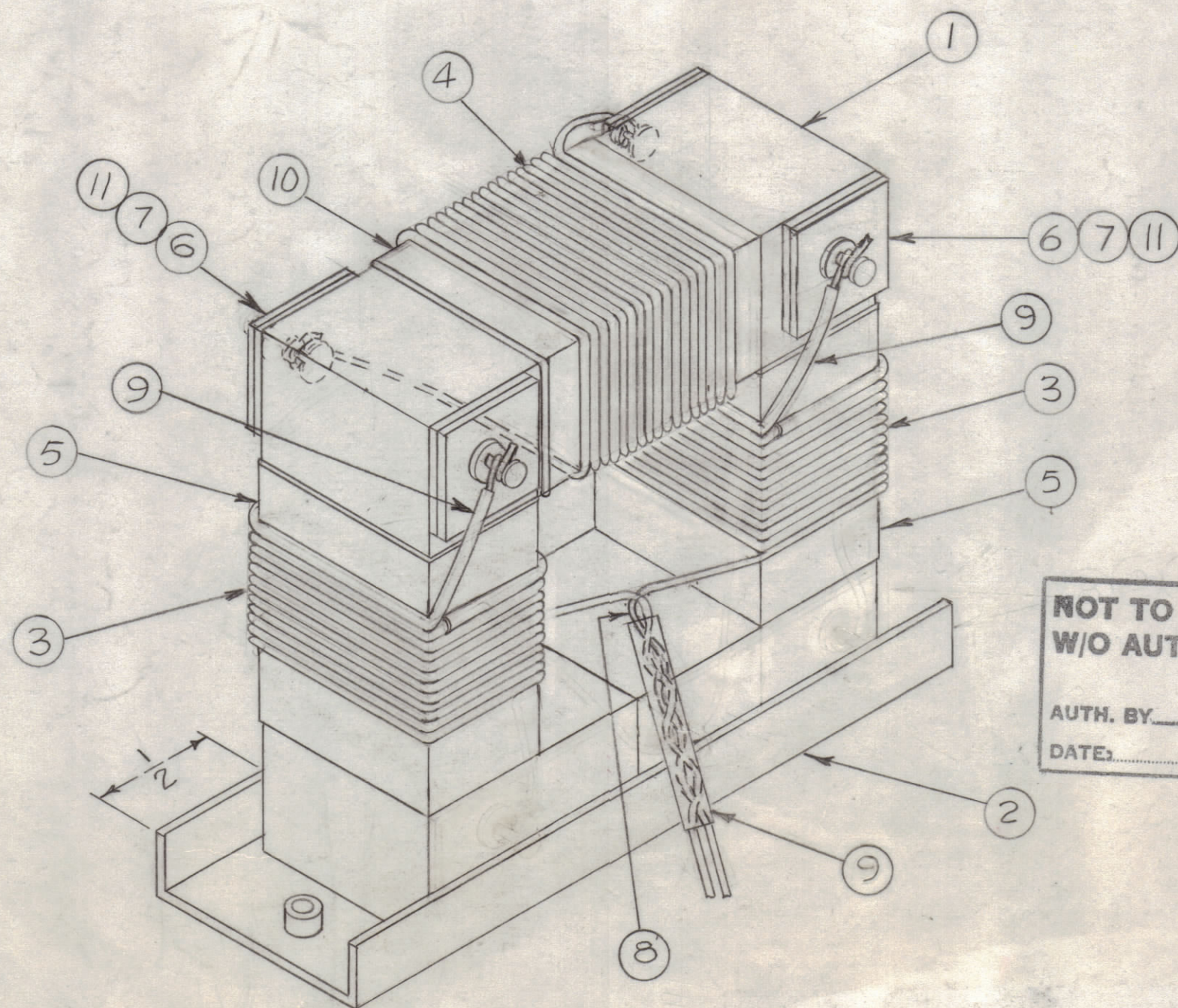


SCHEMATIC



MEASURED W/MARCONI TYPE BRIDGE

TMC P/N	INDUCTANCE		TURNS			Q _M	ASSY NOTES		ITEM 4	USED
	A, B	C	A, B	B	C		#8	#10		
A4708	160uH	42uH	27T	27T	13T	>10	27T	13T OF ITEM 4	WI125-2	BCT-10KA
A4708-2	720uH	192uH	51T	51T	25T	>10	51T	25T OF ITEM 4	WI125-2	BCTR-10KYA
A4708-3	-	-	27T	27T	23T	>10	27T	23T OF ITEM 4	WI125-2	MFTA-10K



NOT TO BE RELEASED W/O AUTHORIZATION

AUTH. BY: _____
DATE: _____

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	X	EXPERIMENTAL RELEASE	1/10/68		H.G.	
	X1	ADDED A4708-2	7/30/68		H.G.	
	X2	ASSEMBLY NOTES UPDATED	10/21/68		C.V.	
		ORIG. RELEASE FOR PROD.	10/24/68		P.G.	
	A	BCTR-10KYA WAS BCT-10YR	1/22/69	CC	K.H.	
	B	A4708-2 CHART ASSEMBLY NOTE 10 WAS 25T OF IT 3	1/19/71	20475	CU	
	C	CHART CLARIFIED-A4708-3 ADD	11-16-79	21751	G-DL	

ASSEMBLY NOTES

1. USING ITEM 12 JOIN ITEM 1 TOGETHER AS SHOWN.
 2. ALLOW ITEM 12 TO HARDEN FOR 15 MINUTES.
 3. USING ITEM 11 MOUNT ITEM 1 ON ITEM 2 AS SHOWN.
 4. SECURE ITEM 6, 7 TO XFMR WITH ITEM 12 AS SHOWN.
 5. ALLOW ASSEMBLY TO HARDEN FOR 2 HOURS.
 6. WRAP 2 TURNS OF ITEM 5 AROUND ITEM 1 AS SHOWN
 7. WRAP 2 TURNS OF ITEM 10 AROUND ITEM 1 AS SHOWN.
 8. WIND (SEE CHART) TURNS OF ITEM 3 OVER ITEM 5, OBSERVE DIRECTION OF WINDINGS*.
 9. SECURE ENDS OF ITEM 3 TO ITEM 6 WITH ITEM 8 AS SHOWN. SOLDER LOOSE ENDS OF ITEM 3 TOGETHER AS SHOWN. EXTEND LEAD (TAP) 2-1/2"
 10. WIND (SEE CHART) ITEM 4 OVER ITEM 10.
 11. SECURE ENDS OF ITEM 4 TO ITEM 6 WITH ITEM 8 AS SHOWN.
 12. ALLOW ENTIRE XFMR ASSEMBLY TO CURE FOR 24 HOURS.
- *INSULATE FIRST TURN OF ITEM 3 WITH ITEM 9.
IF ITEM 3 HAS MORE THAN 1 LAYER, INSULATE 1ST LAYER WITH 1-1/4 TURNS PX669-3

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	12	GL129	ADHESIVE, EASTMAN 910	
X	11	GL125	ADHESIVE, EPOXY (BLACK)	
X	10	TA110-5	INS, TAPE ELEC	
X	9	PX370-14-7	TUBING, TEFLON (WHITE)	
X	8	BS100	SOLDER, TIN ALLOY	
4	7	PX1051-2	STRIP, MTG TERM	
4	6	PX1051-1	STRIP, MTG TERM	
X	5	TA110-6	INS, TAPE ELEC	
X	4	SEE CHART	WIRE, ELECTRICAL MAG HML	
X	3	WI125-5	WIRE, ELECTRICAL MAG HML	
1	2	MS5140-2	BRACKET, MTG TRANSFORMER	
2	1	CI101-3-Q1	CORE, U	

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
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F. BUDETTI		LIST OF MATERIAL	
FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.	
<i>[Signature]</i>	10/28/68	MAMARONECK, NEW YORK	
MECH. DES.	DATE	TR190 MFGR, ASSEMBLY	
ELECT. DES.	DATE		
CHECKED	DATE		
DRAWN	DATE		
		SIZE	CODE IDENT. NO. DWG. NO. ISSUE
		C	82679 A 4708 C
		SCALE	SHEET OF

1	BCTR-10 KYA	
1	BCT-10KA	AX683
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE	S401-451	
A		
NOTICE TO PERSONS RECEIVING THIS DRAWING		
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TOLERANCES ON	
DECIMALS	FRACTIONS
.X ± .05	± 1/64
.XX ± .01	ANGLES
.XXX ± .005	± 0° -30'
MATERIAL	
FINISH	