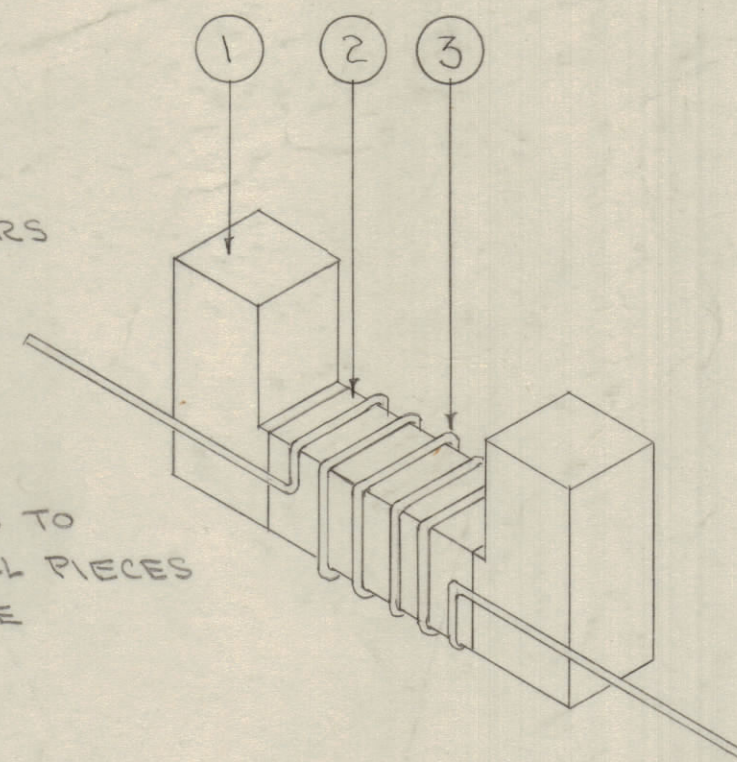


IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.  
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

NOTE: ALL LEADS TO BE APPROX. 1/4" LONG.

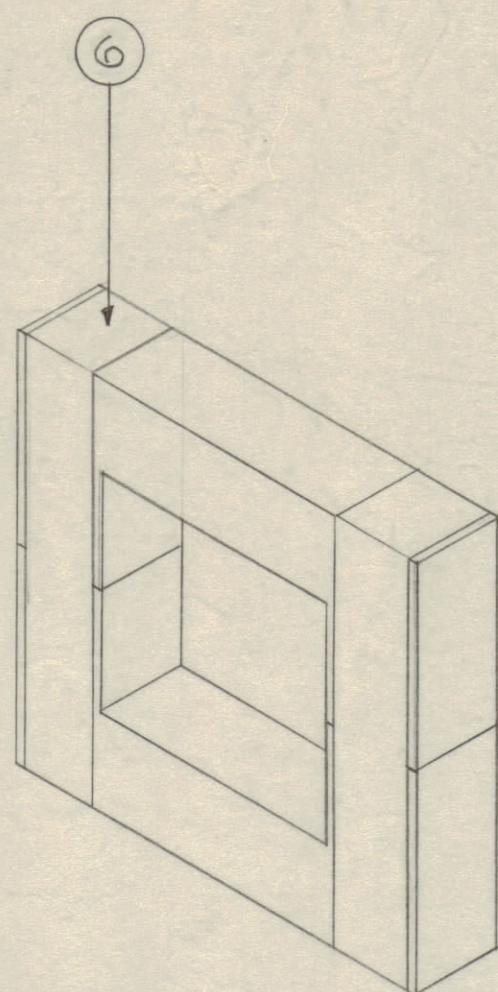
**STEP 1 (PRIMARY)**

- A- WIND ON TWO (2) LAYERS OF 1/4" TAPE (ITEM 2)
- B- WIND ON FIVE (5) TURNS OF ITEM 3, WIDELY SPACED AS SHOWN.
- C- SECURE WINDING ENDS TO COIL FORM WITH SMALL PIECES OF ITEM 4. 1/4" TAPE



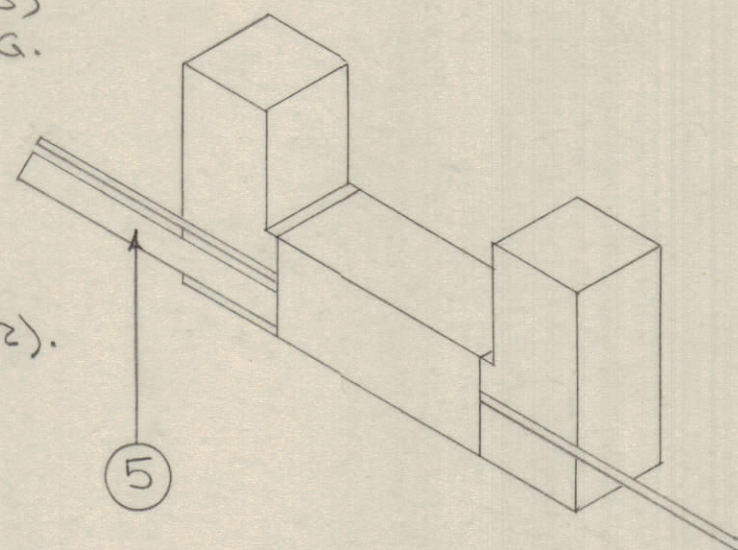
**STEP 4**

- A- SECURE 2<sup>ND</sup> CORE TO WOUND CORE WITH ITEM 6. 1/2" TAPE. (TWO (2) LAYERS EACH SIDE).
- NOTE THAT MATING SURFACES MUST BE SMOOTH AND FREE OF ALL DIRT.



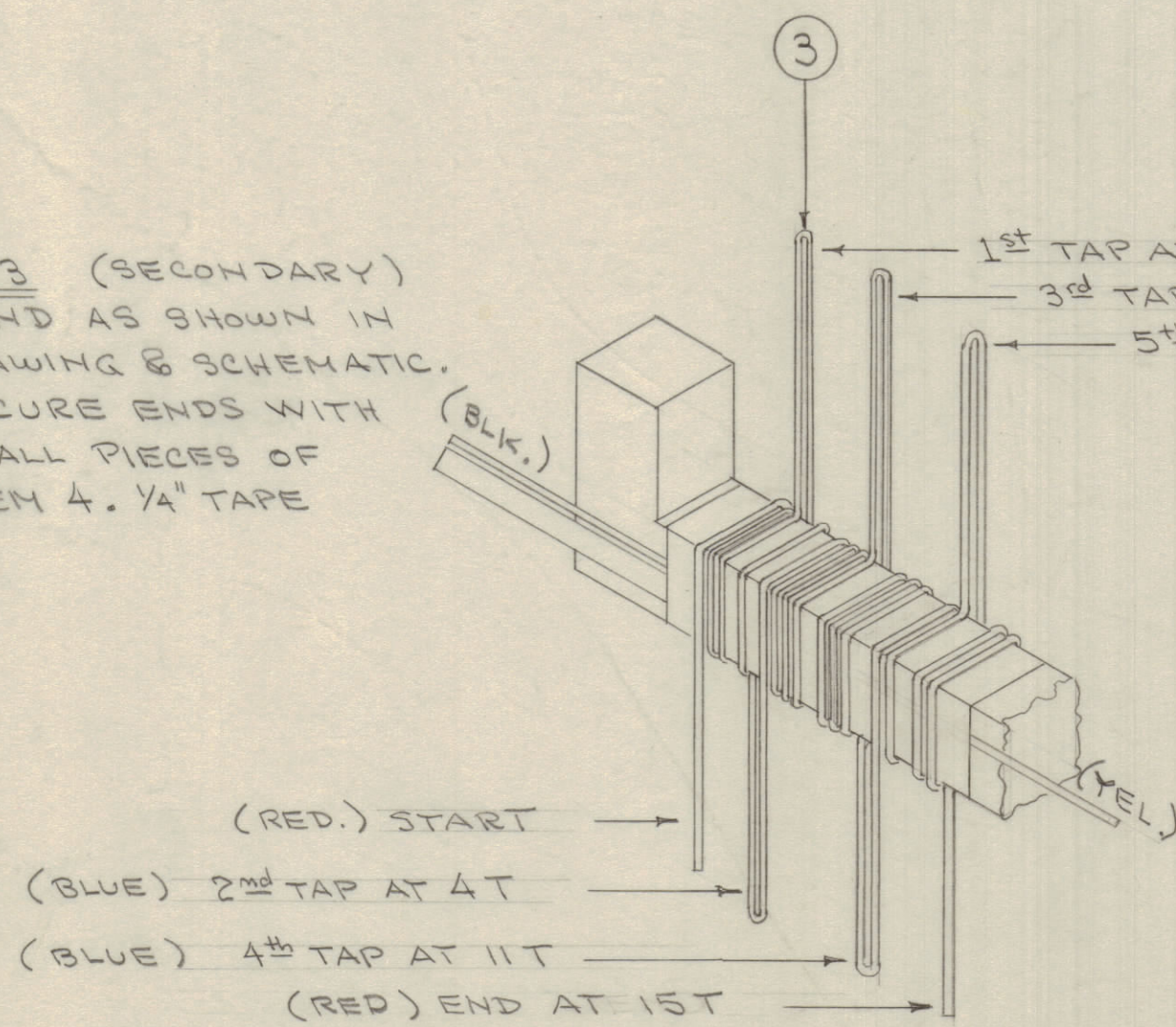
**STEP 2 (SHIELD)**

- A- WRAP SHIELD (ITEM 5) OVER FIRST WINDING. BRING OUT CONTACT AS SHOWN.
- B SECURE SHIELD TO COIL FORM WITH ONE(1) FULL TURN OF 1/4" TAPE (ITEM 2).



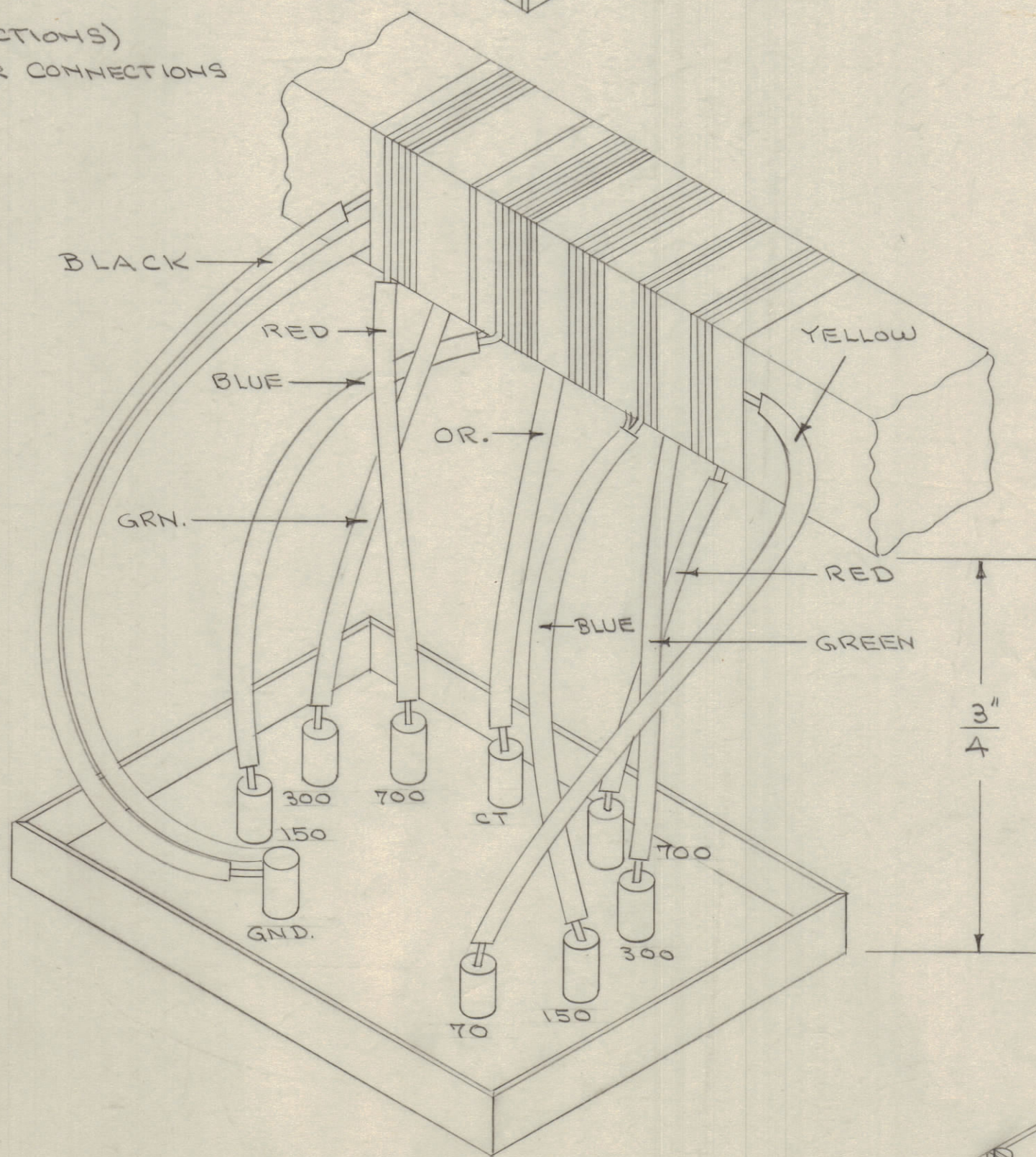
**STEP 3 (SECONDARY)**

- A- WIND AS SHOWN IN DRAWING & SCHEMATIC.
- B- SECURE ENDS WITH SMALL PIECES OF ITEM 4. 1/4" TAPE



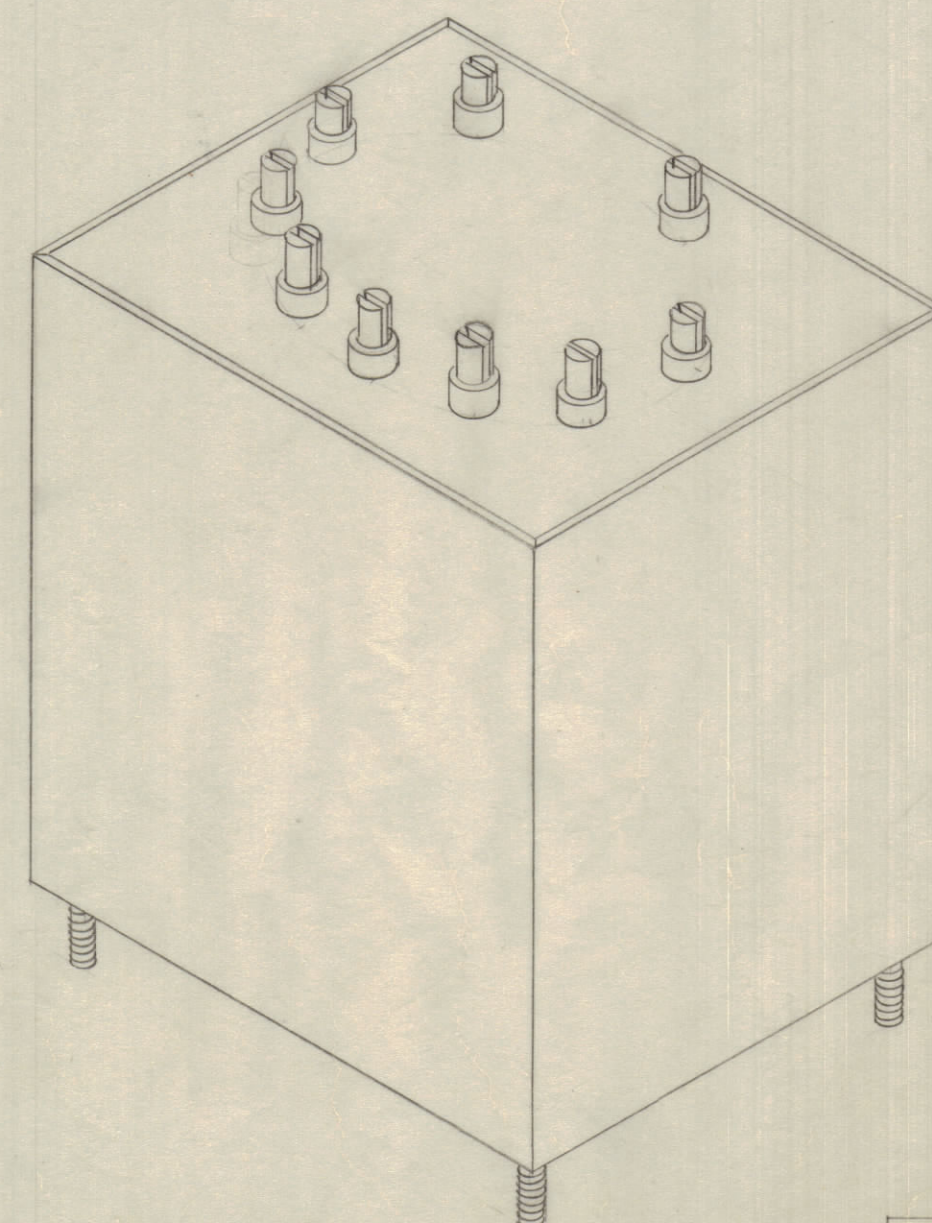
**STEP 5 (CONNECTIONS)**

- A- MAKE SOLDER CONNECTIONS AS SHOWN.

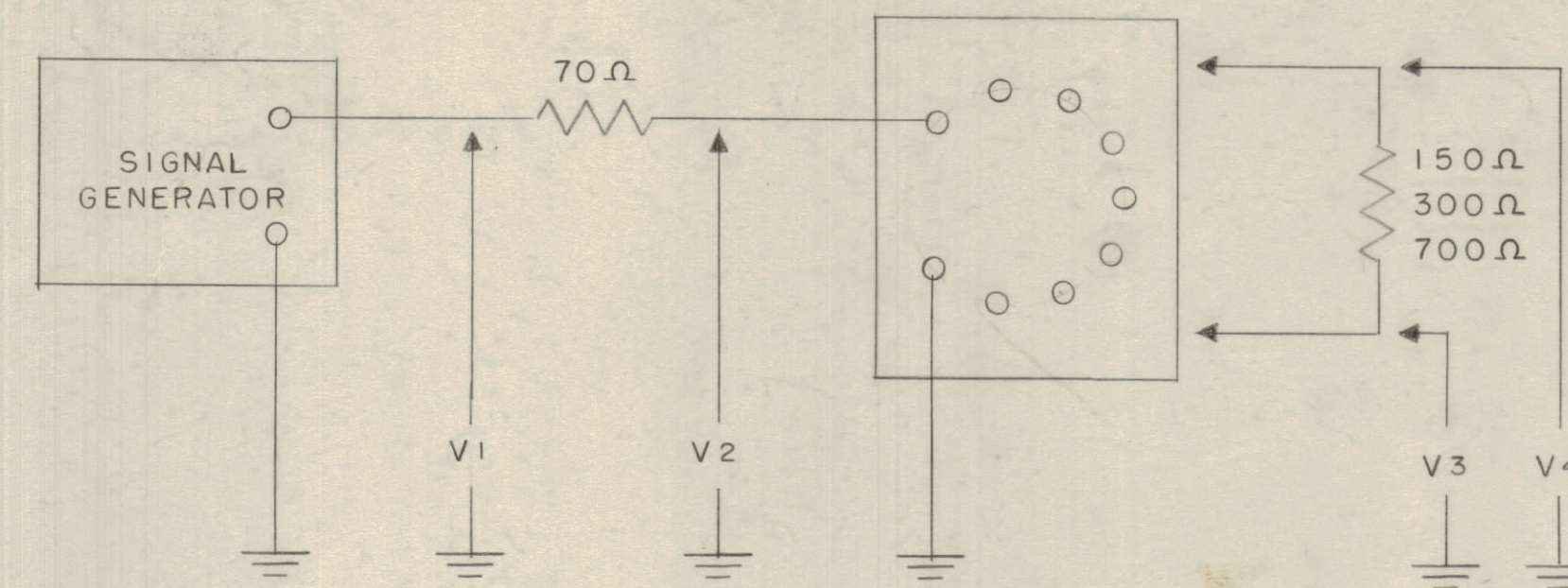


**STEP 6 (POTTING & FINISH)**

- A- SOLDER TOP COVER IN PLACE.
- B- FILL TO WITHIN 3/8" OF OPEN END WITH GL-106.
- C- SOLDER STUD END IN PLACE.
- D- SMOOTH ALL SEAMS
- E- FINISH - DEGREASE S-115 SMOOTH GRAY ENAMEL (EXCEPT STUDS & LUGS)



**STEP 7 (TEST)**



150 Ω

fmc	V1	V2	V3	V4
2	1.0	.48	.28	.30
8	1.0	.50	.30	.32
30	1.0	.44	.26	.34

300 Ω

fmc	V1	V2	V3	V4
2	1.0	.48	.43	.45
8	1.0	.50	.44	.48
30	1.0	.42	.42	.45

700 Ω

fmc	V1	V2	V3	V4
2	1.0	.45	.58	.58
8	1.0	.46	.61	.64
30	1.0	.40	.56	.65

\* H.P. VTVM

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 MAMARONECK, NEW YORK

**NOT TO BE RELEASED W/O AUTHORIZATION**

AUTH. BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 15	GL-106	COMPOUND, POTTING	
1	14 Bx-144	CAN	
X 13	PX-104-8-034	INSULATION, SLEEVING	OR.
X 12	-6-		BLUE
X 11	-4-		GRN
X 10	-3-		RED
X 9	-2-		YEL.
X 8	-1-		BLK.
X 7	BS-100	SOLDER, SOFT	
X 6	TA-102-3	TAPE, 1/2"	
1	A-1289	SHIELD ASSEMBLY	
X 4	TA-102-1	TAPE, 1/4"	
X 3	WI-125-B	WIRE, CEROCIT 20 GA.	
X 2	TA-108-B	TAPE, 1/4"	
2	CI-101-1-Q	CORE	

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
TRANSFORMER ASSEMBLY			
TR-047			
DATE	DRAWN	ELEC. DES. APP.	MECH. DES. APP.
5/13/56	APB		WJ
HEAT TREAT. SPEC.		FINAL APPROVAL	
CHECKED		A-1290	
FINISH & SPEC. NO.			

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

REQ. PER UNIT	MODEL	PROJECT NO.	ASSY. NO.	DATE
1	TRC-100	ABD	A-1293	5-9-56
USED ON				

A-1290