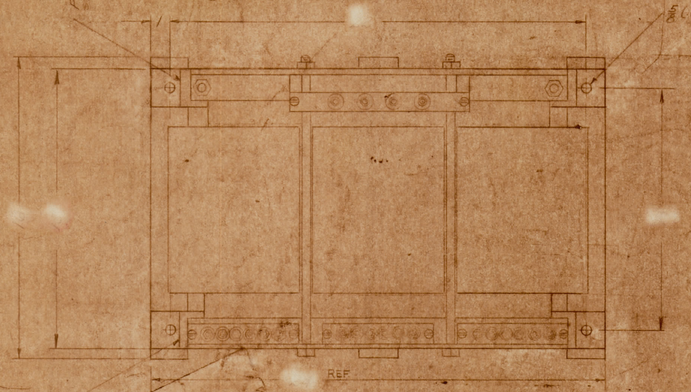
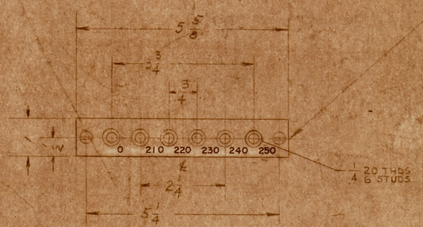
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

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

NOT FOR PRODUCTION
Engineering Approval Required For Release

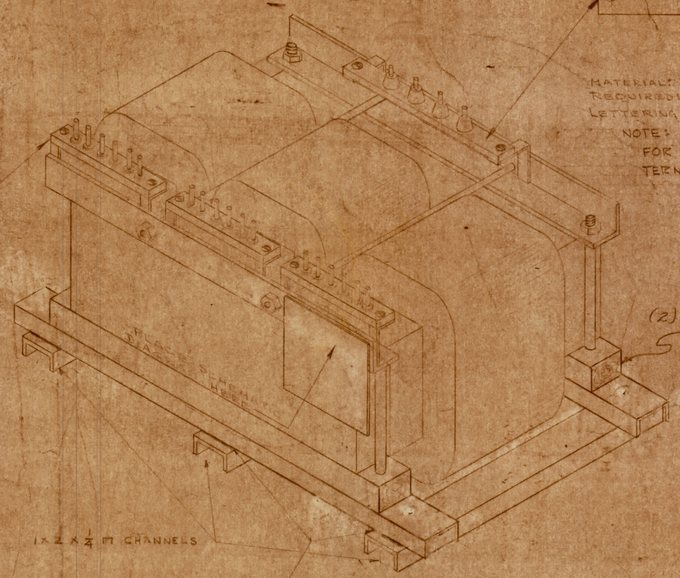


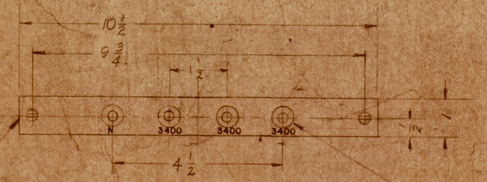
NOTE
ALL TERMINAL STUDS TO BE SUPPLIED WITH
1 BRASS NUTS, BRASS, NICKEL PLATED
2 FLAT WASHERS, BRASS, NICKEL PLATED
3 LOCK WASHERS, BRASS, NICKEL PLATED



TERMINAL BOARD
MATERIAL: BLACK PHENOLIC, LINEN BASE, 3/8 THICK.
REQ'D: 1 PER UNIT
LETTERING: 1/8 HIGH WHITE GOTHIC, AS SHOWN.

NOTE~
FOR SPARE PARTS REPLACEMENT OF THIS TERMINAL BOARD, USE TMC DWG NO: TM-122





TERMINAL BOARD
MATERIAL: BLACK PHENOLIC, LINEN BASE, 3/8 THICK.
REQ'D: 1 PER UNIT
LETTERING: 1/8 HIGH WHITE GOTHIC, AS SHOWN.

1/4-20 THDS. 4 STUDS WITH STEATITE INSULATORS

NOTE:
FOR SPARE PARTS REPLACEMENT OF THIS TERMINAL BD. USE TMC DWG NO. TM-125

ELECTRICAL SPECIFICATIONS:

PRIMARY - 208V
(DELTA) 400 CPS, THREE PHASE

NOTE: TRANSFORMER SHALL PRODUCE 7.5 KVDC AT 2.5 AMPS (MAX).

SECONDARY: 3400 VAC EACH LEG
(WYE) THE SECONDARY NEUTRAL POINT SHALL DELIVER 3750 VDC AT 0.5 AMPS WITH CIRCUIT AS SHOWN IN SCHEMATIC.

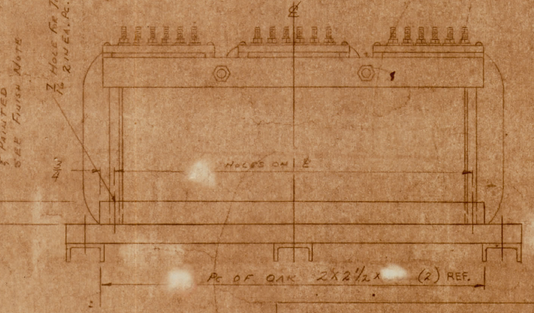
TEST VOLTAGES - AS PER MIL-T-27A
INSULATION - AS PER MIL-T-27A

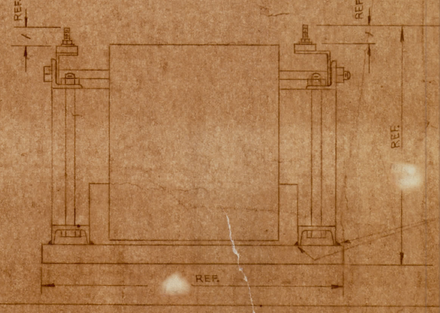
MECHANICAL SPECIFICATIONS:

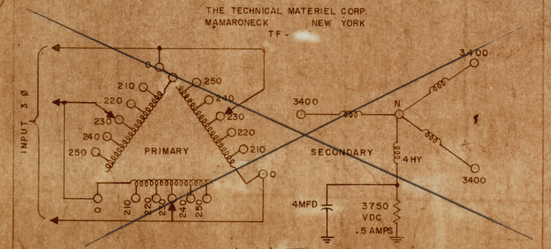
CONSTRUCTION - OPEN FRAME TYPE WITH "U" CHANNELS & ANGLES AS SHOWN

FINISH - TMC SMOOTH GREY ENAMEL (515) EXCEPT TERMINAL STRIPS & TERMINALS

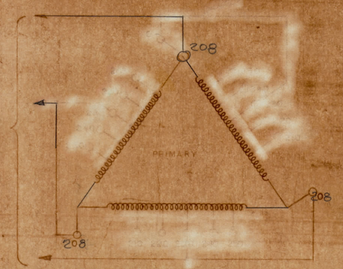
NOTE
MANUFACTURED IN ACCORDANCE WITH MIL-SPEC T-27-A EXCEPT THAT MIL SPEC T-27-A SHALL NOT APPLY ON CASE AND QUALIFICATION TESTING IS NOT REQUIRED.



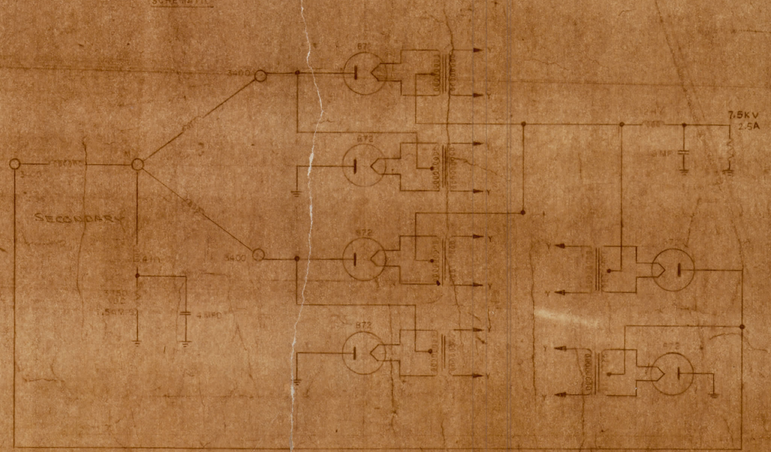




SCHEMATIC (WAVE WIRE AS SHOWN ABOVE)



SCHEMATIC



ISSUE	ITEM	CHANGED FROM	DATE	C.N. NO.	DRAFTS	CHECKER	ENG. APP.
		MAX AMPS WAS: I.w.(7540) I.22.w.(7807) I.w.					
		REF. TO DIM. 16.3 I.3.1/4 I.8.22.w.		7739	KNE		
1		I-VOLT DWG		10479			
1		ON SCHEMATIC, TRANSFORMER 3 UNN. BETWEEN "0" & "250" DELETED	2-24-61				
		SPEC. NOTED ADDED	1-3-61	G138			
1		SPARE PARTS NOTE ADDED	11-1-61	9826	RA		
1		NOTE ADDED (MIL-T-27A)	6-28-62	2772			
1		ON SCHEMATIC, 2 Ø CHANGED TO 3 Ø	7-11-62	730			
		MATERIAL CHANGED	7-16-62				

TOLERANCES
ALL DEC. DIM. ±
OTHERS FRAC. DIM. ±
ANGULAR DIM. ±

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

REQ.	ITEM	PART NO.	DESCRIPTION	STOCK SIZE	MATERIAL	WEIGHT PER PC.	TYPE & TEMPER	HEAT TREAT. SPEC.	FINISH & SPEC. NO.
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK						
			TRANSFORMER, POWER STEP-UP, THREE PHASE						

DRAWN | ELEC. DES. APP. | MECH. DES. APP.
CHECKED | FINAL APPROVAL

SPT 10K
REQ. MODEL | PROJECT NO. | ASS'Y. NO. | DATE
USED ON

TF 439