

Ep-110-115-120

EF-2.5V-16amps

E3-23-24-35-44-47-53V-6amps

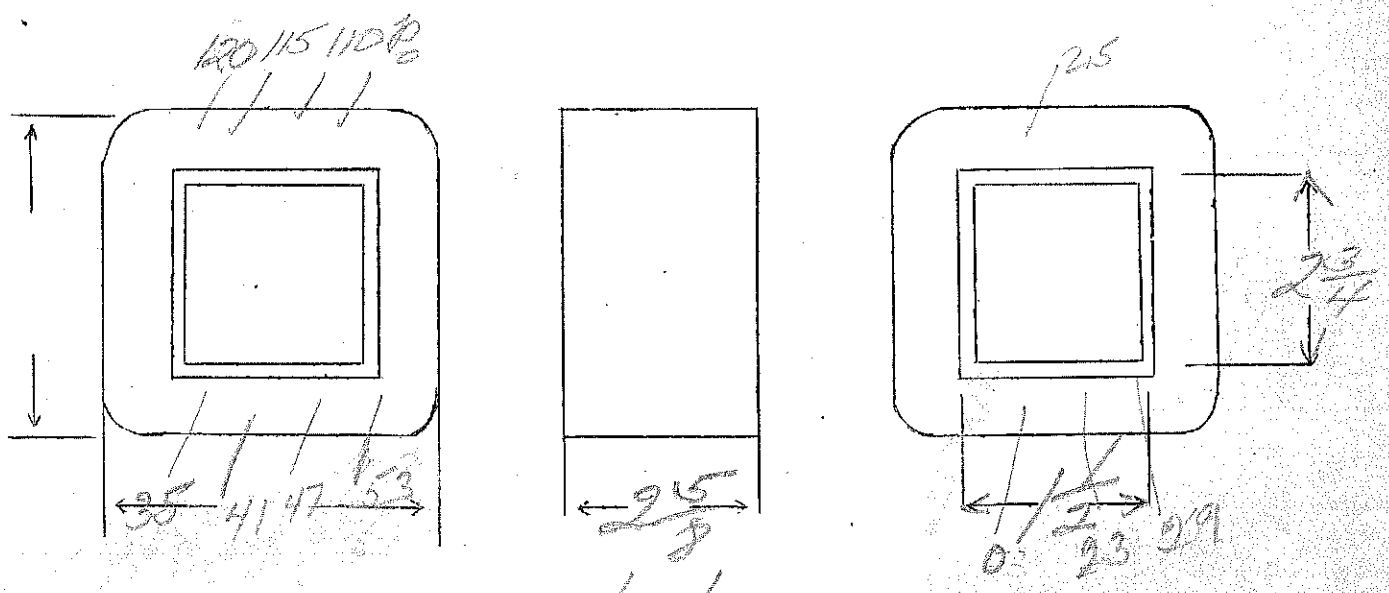
SPEC. NO. 3515

Winding	PRI	Continuous FIL	SEC			
Turns	192 184	4.5	92			
Taps	176		81-71-61-51-40			
Wind. Lgth.	2 3/8					
Wire Size	#14	#14 double	#14			
T.P.L.	6L	14L				
Kind Term.	WIRES ONLY					
Term. Lgth.	4"	-				
Layer Insul.	007K-					
Test Volt.						
Wrapper	210056A		210056A			

TUBE 91007 IMPREGNATION VARNISH

CORE 1/2 x 2 3/4 PRIMARY V.A.

MOUNTING uncasted - top and legs.



DESIGNED BY J.W.

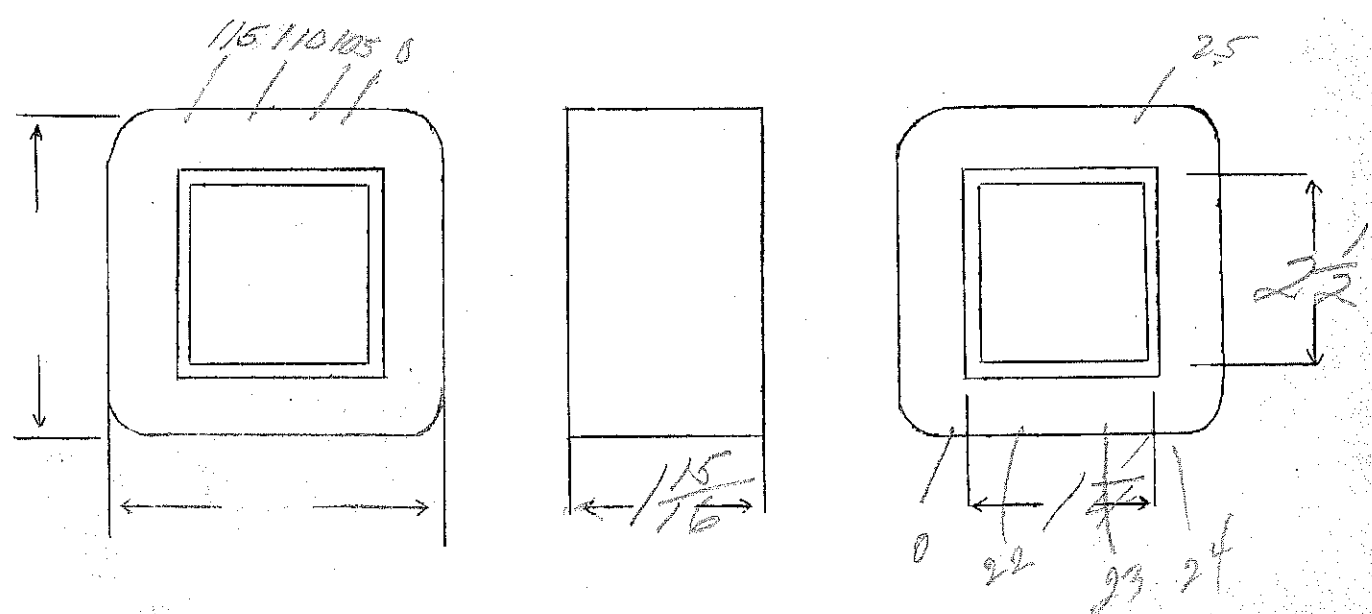
DATE 9/8/37

E₁ - 110 - 115 - 120
 E₂ - 2.5V - 15amps
 E₃ - 22 - 23 - 24V - 6amps

SPEC. NO. 3516

	Common					
Winding	PRI	FIL	SEC			
Turns	240	5 1/2	52			
Taps	230 220		48 - 50			
Wind. Lgth.	1.75					
Wire Size	#19	double #14	#14			
T.P.L.		3 layers				
Kind Term.	WIRE ONLY					
Term. Lgth.	4"	4"	4"			
Layer Insul.	#07					
Test Volt.						
Wrapper	260056A		260056A			

TUBE	7L007	IMPREGNATION	VARNISH
CORE	1/4 x 2 1/2	PRIMARY V.A.	
MOUNTING	BR		



DESIGNED BY Geo

DATE 9/19/37

Ep-120-137-160

Es-3000VCT-300MA

115

SPEC. NO. 3577-25N

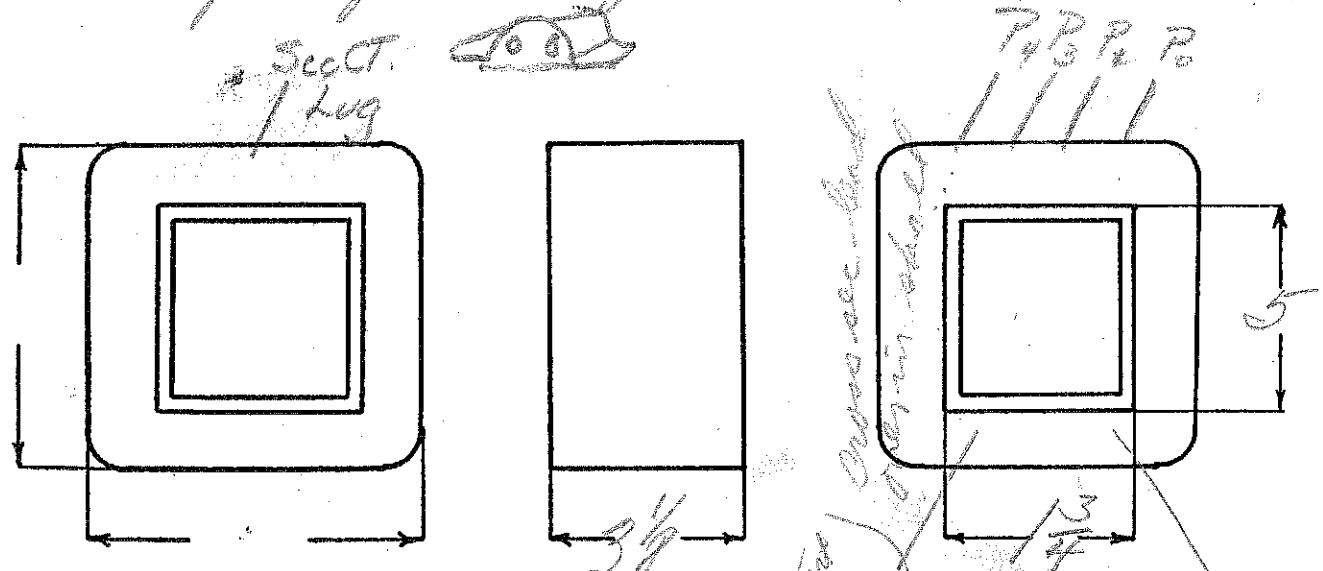
Antennas

Winding	SEC		PRI			
Turns	3800		140	19	26	
Taps	1900					
Wind. Lgth.	2 3/8					
Wire Size	#26		#14	#17	#18	
T. P. L.	127-30		52			
Finish			WIFE ONLY			
Type Lead						
Lead Lgth.						
Layer Insul.	#40		007K			
Test Volt.	7500					
Wrapper	3007VC 36005GA				3005SA	
TUBE	101007+1007VC		IMPREGNATION		Varnish	

CORE GA. GRADE STACK

MOUNTING C - cadmium, vented shell

start sec lead in coil - leads - 12" #20 Dulac - VC slaving thru bushing in flat side of case. VC - 6' out, wire 5" out of



DESIGNED BY *SW*

DATE 2/3/38

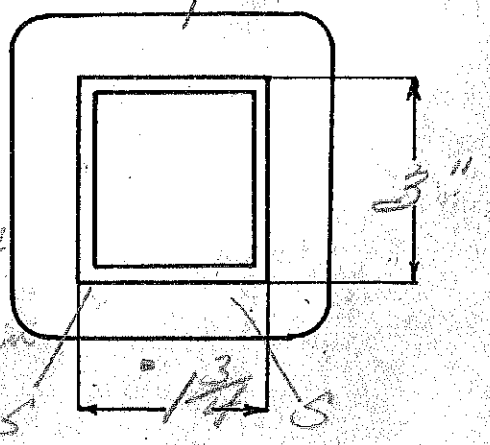
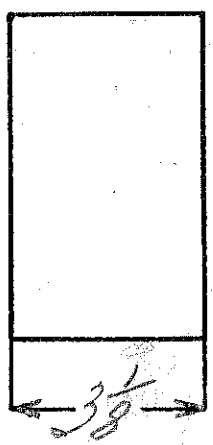
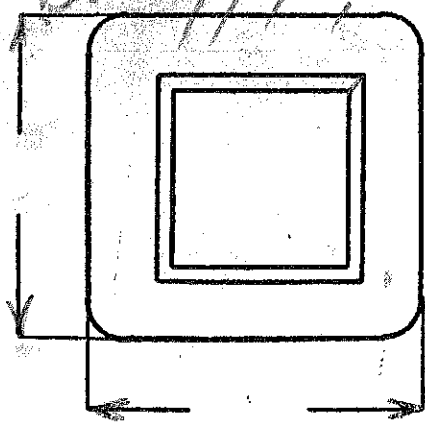
P-230-270-320V
S-300VCT-300ma

SPEC. NO. 3517-230V

Winding	SEC	PRI				
Turns	3940	276	48	60		
Taps	1970	—	—	—		
Wind. Lgth.	2 3/8					
Wire Size	#27	#17	#20	#21		
T. P. L.	141					
Finish	(CFW, O)	WIRE ONLY				
Type Lead	#20 Dulac					
Lead Lgth.	12"					
Layer Insul.	double 40#	.007K				
Test Volt.	6500					
Wrapper	3L007VC 3L005GA				3L005GA	DOUBLE
TUBE	10L007H1L007VC		IMPREGNATION		VARNISH	

CORE GA. GRADE STACK
MOUNTING °C - cad. plated vented shell - 4 1/2" bolts

lead + V.C. thru bushings in flat side of shell cover
VC - 3 1/2" out
lead - 5" out
4 1/2" Bolts ← P_c



DESIGNED BY *Cheswick*

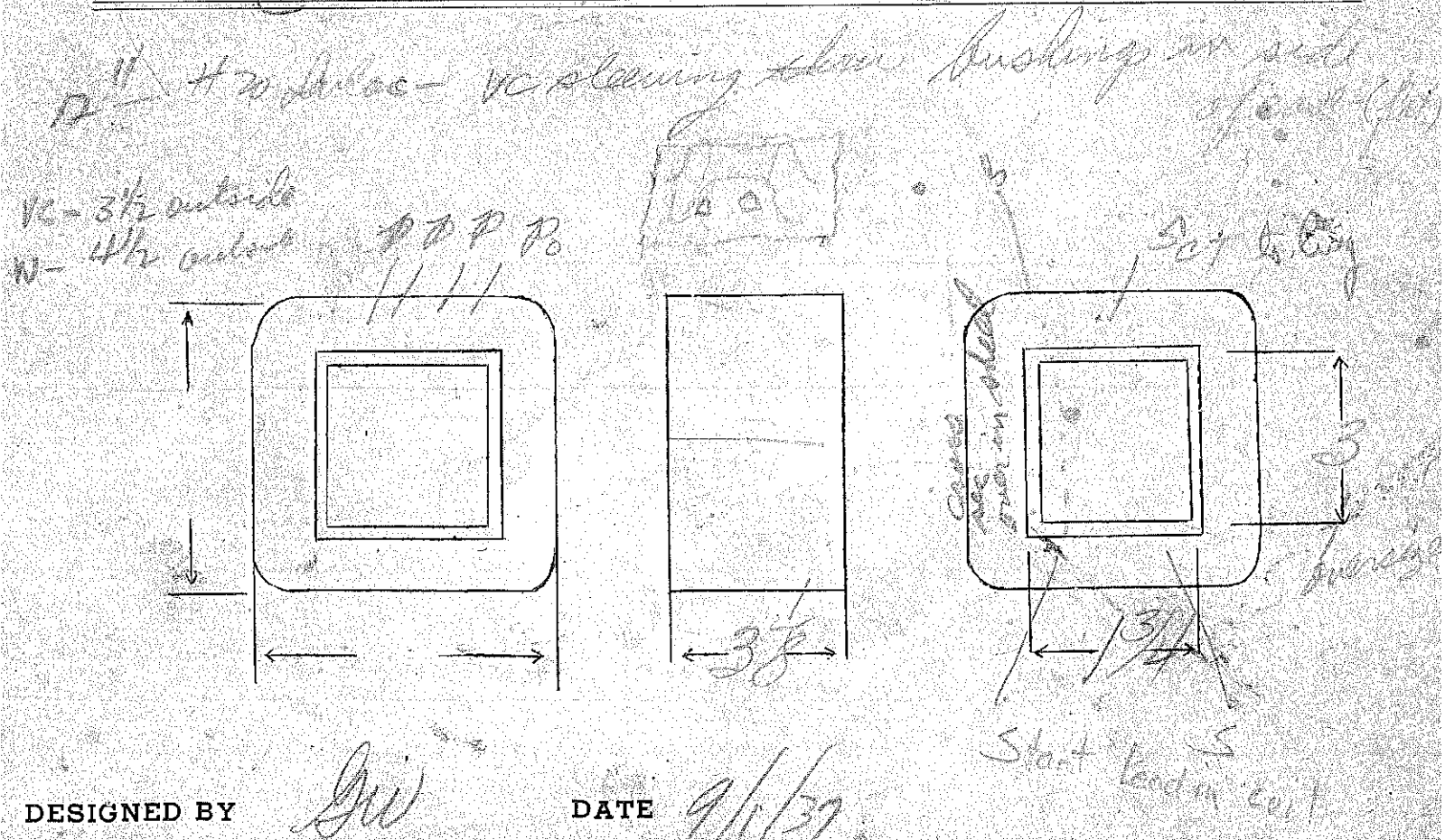
DATE 12/13/37

120-137-160V
 S- 300VCT 300ma

1.20
 SPEC. NO. 3517

Winding	SEC	PR1	PR1			
Turns	3940		144	20	28	
Taps	1970					
Wind. Lgth.	23/8		25/8			
Wire Size	#27		#14	#19	#18	
T.P.L.	144-28			52		
Kind Term.	CT-W.O. ends		WIRE ONLY			
Term. Lgth.	see note					
Layer Insul.	double 40 #		007K			
Test Volt.	6500					
Wrapper	31007K 310056A					310056A

TUBE 101007H/1007VC IMPREGNATION VARNISH
 CORE 1-3/4 x 3 PRIMARY V.A.
 MOUNTING C - cadmium - vented shell



$E_0 - 230V$

$E_1 - 25V - 10amp$

$E_2 - 10VCT - 6.5 amp$

SPEC. NO. 3518-230V

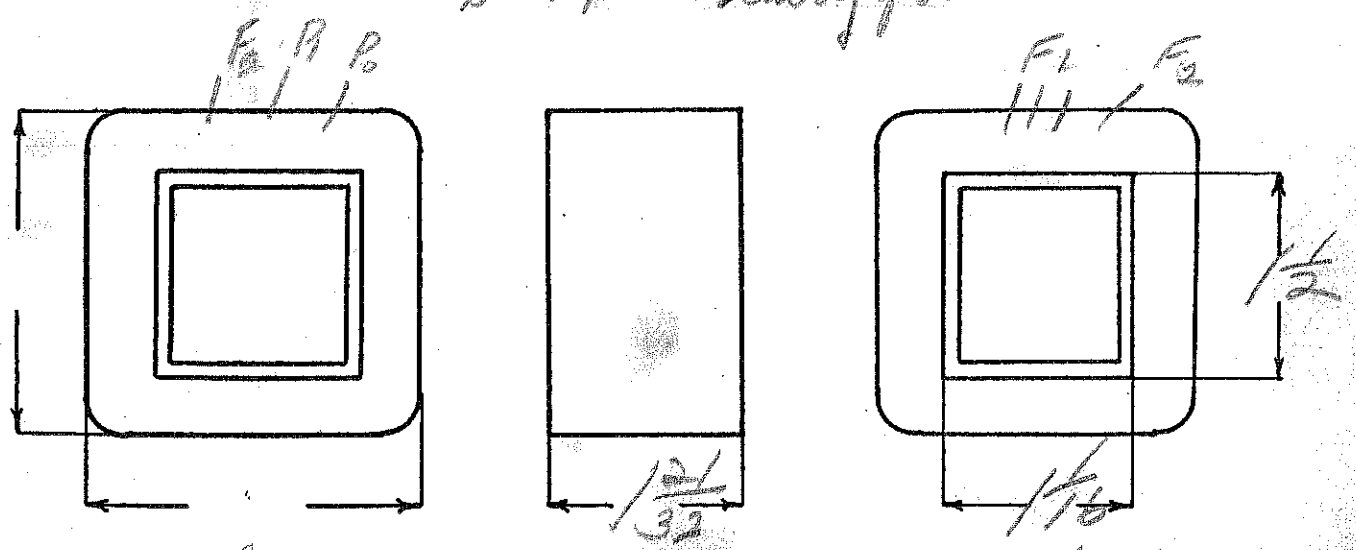
Winding	PR1	F1	F2			
Turns	880	45	11			
Taps		22	-			
Wind. Lgth.	$1\frac{15}{32}$					
Wire Size	#26	double #18	#13			
T. P. L.	80-111					
Finish	WIRE ONLY					
Type Lead						
Lead Lgth.	3"	3"	3"			
Layer Insul.	50#					
Test Volt.			5M			
Wrapper	2405BA	2405BA	2405BA			

TUBE	74007	IMPREGNATION	DOUBLE VARNISH
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CORE	GA.	GRADE	STACK
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MOUNTING C - Cadmium

Keep loop near center of coil,
but space F_2 away for insulation



DESIGNED BY *SW*

DATE 12/13/27

Ep - 115

Es - 2.5V - 10 amp

Es - 10VCT - 6 amp

375

SPEC. NO. 3518-252

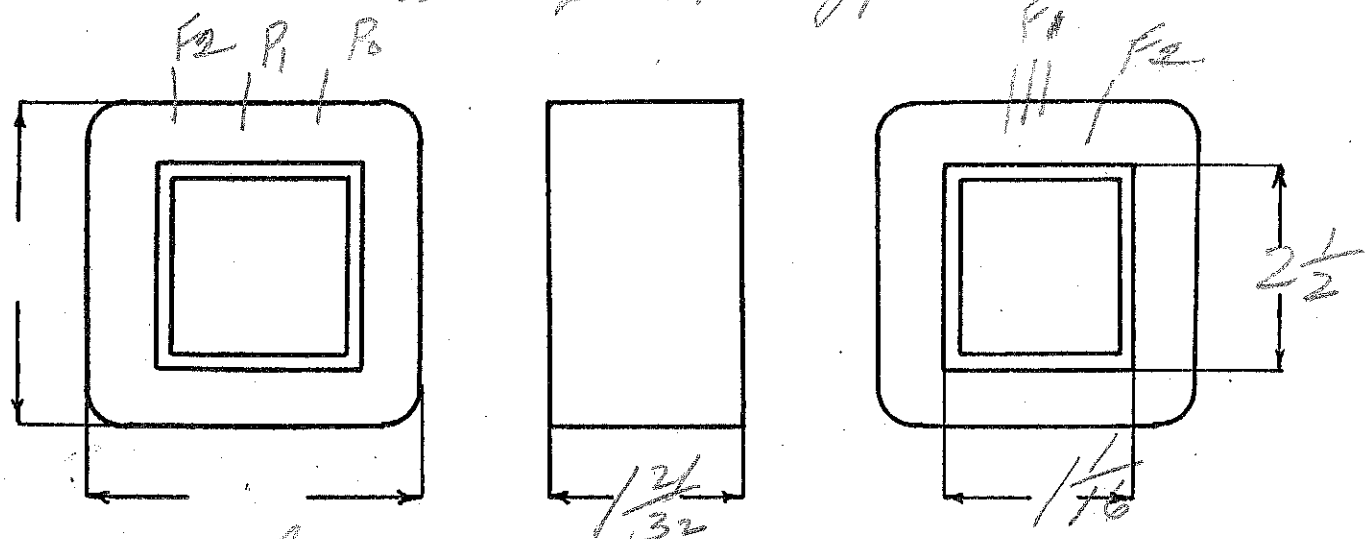
Winding	P	F ₁	F ₂			
Turns	430	45	11			
Taps		22	—			
Wind. Lgth.	1 1/32					
Wire Size	#23	double #18	#13			
T. P. L.	55					
Finish	WIRE ONLY					
Type Lead						
Lead Lgth.	3"	3"	3"			
Layer Insul.	50 th					
Test Volt.	2500	2500	5000			
Wrapper	2005GA	1007VC 2005GA	1007VC 2005GA			

TUBE	7007	IMPREGNATION	VARNISH
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CORE	GA.	GRADE	STACK
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MOUNTING *C. cadmium*

Keep legs near center of coil but space F₂ away for insulation.



DESIGNED BY *gw*

DATE 2/3/38

Ep 115
 Es₁ - 2.5V - 10amps
 Es₂ - 10VCT - 6.5amps

38

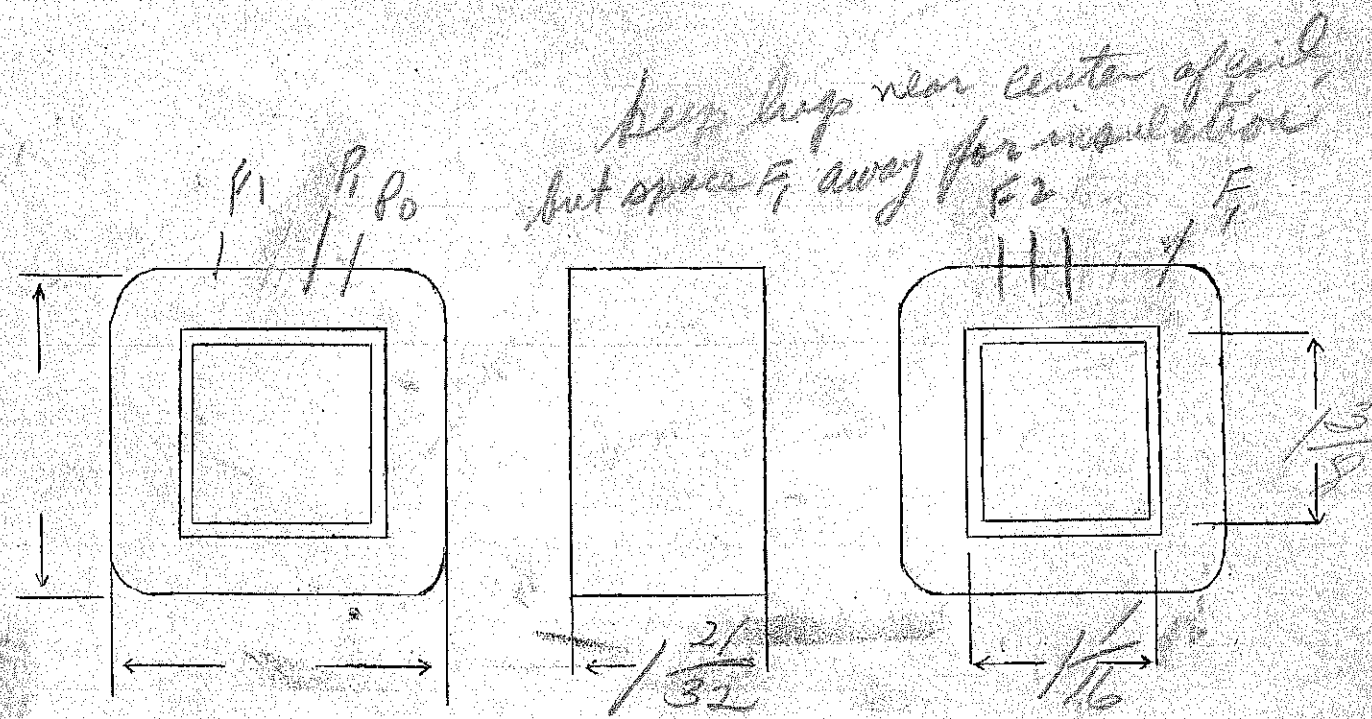
SPEC. NO. 3518

Winding	PRI	FIL ²	FIL			
Turns	440	45	11			
Taps		22				
Wind. Lgth.	1 15/32					
Wire Size	#23	Double #18	#13			
T.P.L.	55-8					
Kind Term.	WIRES ONLY					
Term. Lgth.	3"	3"	3"			
Layer Insul.	50#					
Test Volt.			5000			
Wrapper	21005GA	1600 PVC 21005GA	1600 PVC 21005GA			

TUBE 26007 IMPREGNATION VARNISH

CORE 1 1/16 x 1 3/8 PRIMARY V.A.

MOUNTING C - Cadmium



DESIGNED BY *LDW*

DATE 9/1/37

P- 220 240 Black start while
 S- 400-1100-1300-1500V- 300 Watt
 F- 7.5V OT- 6.5 amp

SPEC. NO. 3519-230

Winding	SEC		PRI	FLK			
Turns	2400 2040		350	12			
Taps	1680	1320	320	6			
Wind. Lgth.	2 1/4		✓				
Wire Size	#26		#18	#14			
T. P. L.	120-20		50-7				
Finish			W.O	W.O.			
Type Lead							
Lead Lgth.			3'	3"			
Layer Insul.	50#		.007 KRAFT				
Test Volt.	5M						
Wrapper	21007VC 31005GA		21005GA	21005GA			

DOUBLE VARNISH

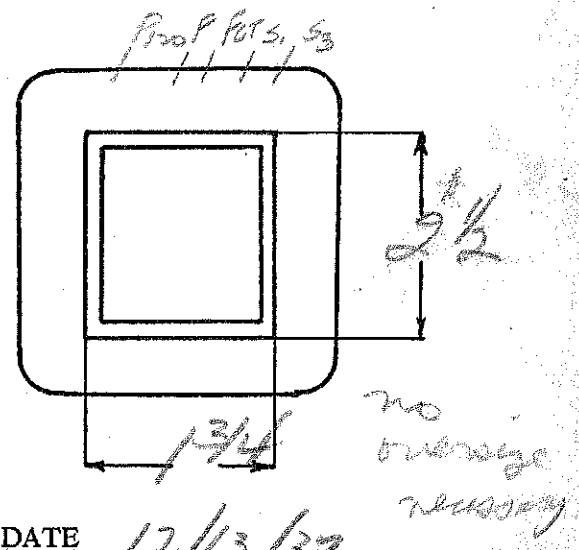
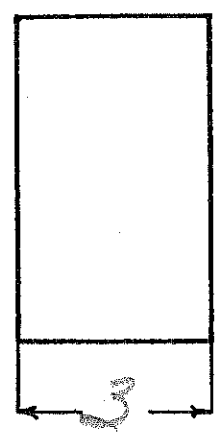
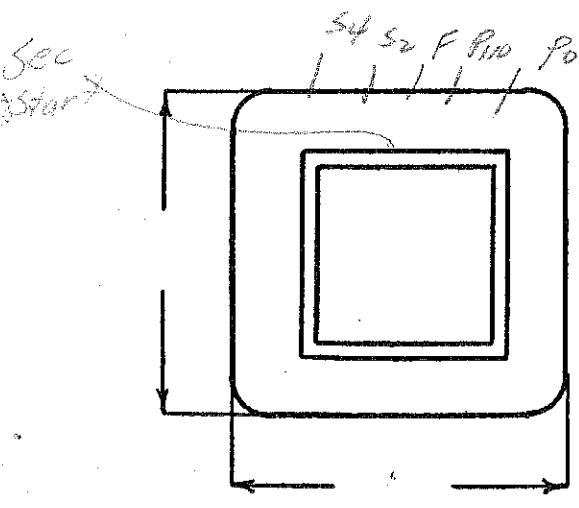
TUBE 91007#11007VC IMPREGNATION

CORE 1 3/4 x 2 1/2 GA. GRADE STACK

MOUNTING C - closed type - Cadmium

Sec Start - #20 Dulac - 8" long
 laps - w.o. - 3"

521007VC underpaned
 110010RR



DESIGNED BY *gwr*

DATE 12/13/37

P- 110-120
 S- 900-1100-1300-1500V- 300Watts

similar to 110A 25961

F- 75VCT- 6.5 amp

SPEC. NO. 3519

146

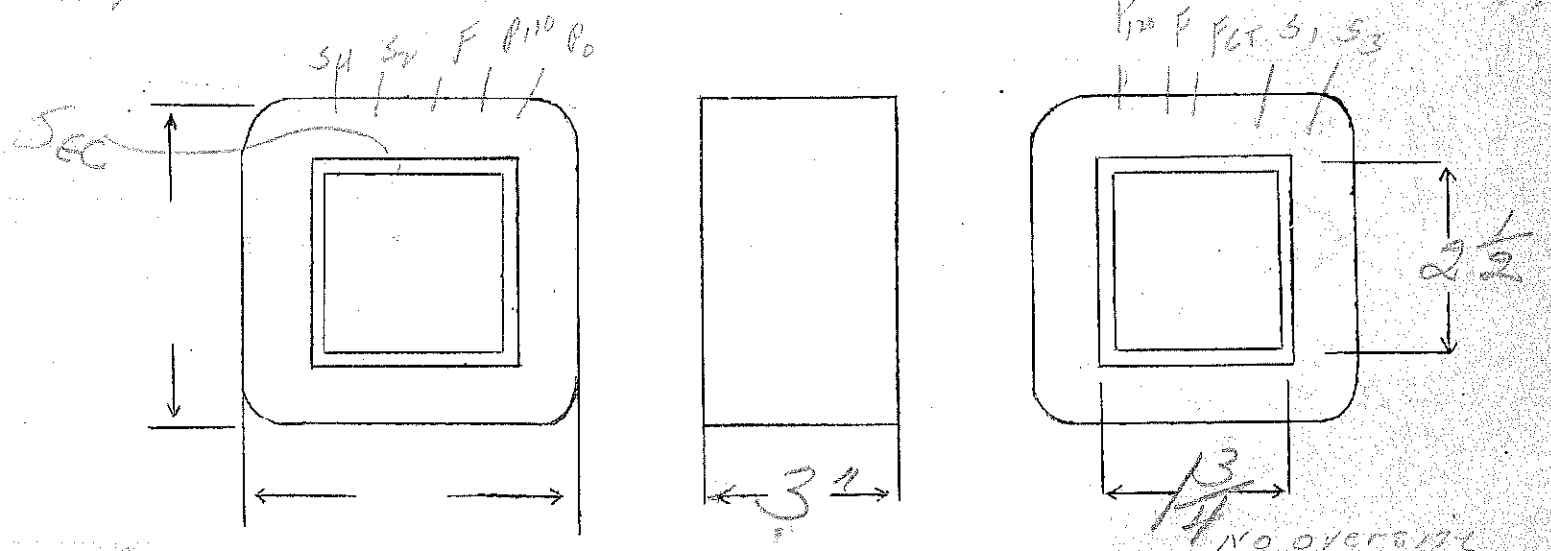
Winding	SEC		PR1	FIL			
Turns	2400 2040		175	12			
Taps	1680-	1320	160	6			
Wind. Lgth.	2 1/4		✓				
Wire Size	#26		#15	#14			
T.P.L.	120-20		35-5				
Kind Term.			W.O	W.O.			
Term. Lgth.			3'	3'			
Layer Insul.	double 50#		007K	-			
Test Volt.	5000V						
Wrapper	21007VC 210056A		210056A	210056A			

TUBE | 910074/1007VC | IMPREGNATION | VARNISH

CORE | 13/16" | PRIMARY V.A. |

MOUNTING | C - Rased type - column -

sec start - #20 Dulac - 8" long - 21007VC under part
 taps - WIRE ONLY - 3" 140 10RR



NO OVERLAP NECESSARY

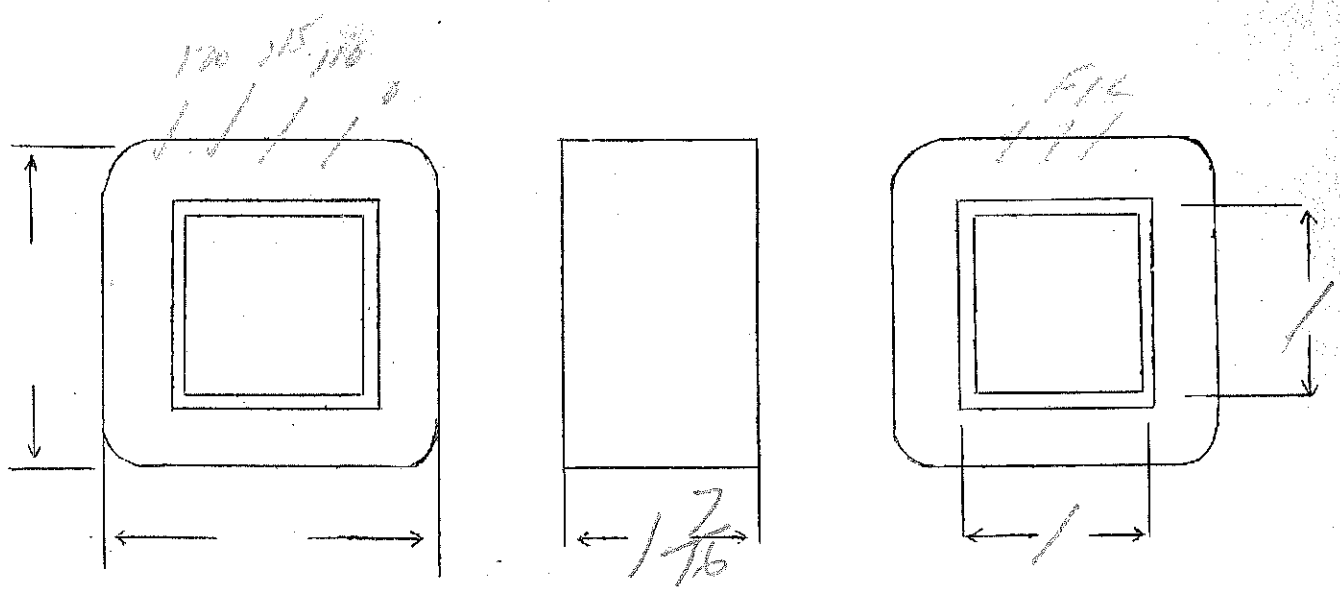
DESIGNED BY *Sw*

DATE 9/1/37

Ep-110-115-120
 Es-21V.C.T.-2amp

58 SPEC. NO. 3520

Winding	PR1	FIL				
Turns	700	135				
Taps	670 640	68				
Wind. Lgth.	1.25					
Wire Size	#27	#20				
T.P.L.	75-11	4L				
Kind Term.	WIRE ONLY					
Term. Lgth.	3 1/2"	3 1/2"				
Layer Insul.	40#					
Test Volt.						
Wrapper	260056A	360056A				
TUBE	52007		IMPREGNATION			
CORE	1X1		PRIMARY V.A.			
MOUNTING	BB					



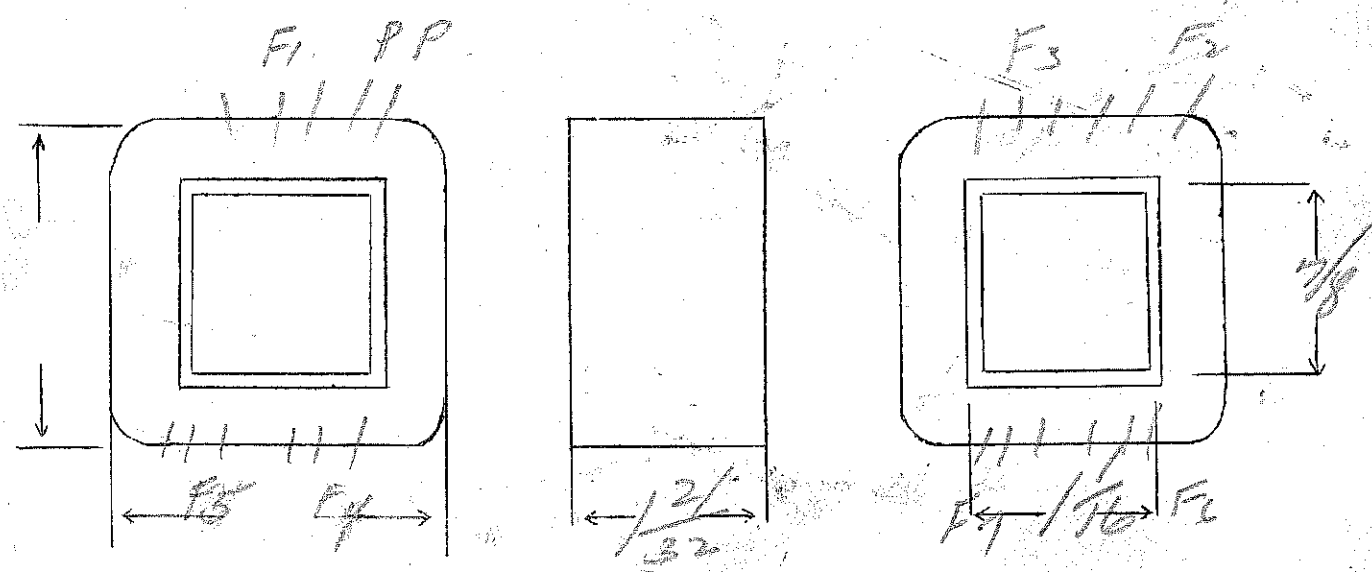
DESIGNED BY *SW*

DATE 9/3/37

$E_p = 115V$
 $E_{F1} = 6.3V - 1.5 \text{ amp}$
 $E_{F2} = E_{F3} = E_{F4} = 6.3V - 1.2 \text{ amp}$
 $E_{F5} = 6.3V - 0.6 \text{ amp}$
 $E_{F6} = E_{F7} = 2.5V - 1.4 \text{ amp}$
 SPEC. NO. 3521

Winding	PR1	F ₁	F ₂	F ₃	F ₄	F ₅	F ₆	F ₇
Turns	710	43	43	43	43	43	18	18
Taps		22	22	22	22	22	9	9
Wind. Lgth.	1.15 1.32							
Wire Size	#26	#21	#21	#21	#21	#24	#21	#21
T.P.L.	79-9							
Kind Term.	WIRES ONLY							
Term. Lgth.	3"							
Layer Insul.	40#							
Test Volt.								
Wrapper	2L0056A	2W056A					2L0056A	

TUBE 7L007 | IMPREGNATION VARNISH
 CORE 1/16 x 7/8 | PRIMARY V.A.
 MOUNTING BB



DESIGNED BY Glueauer DATE 9/7/37

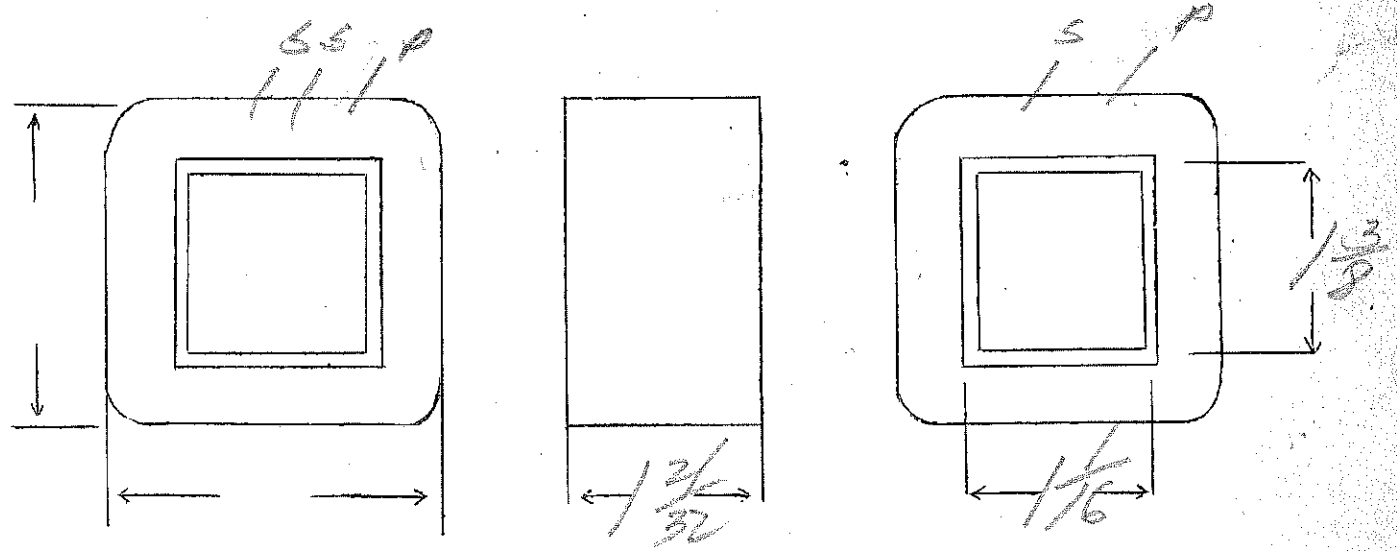
Ep- 120V
 Es- 700VCT- 95MA
 Ef- 5V- 2 amp

Ep- 6.3V- 3.1 amper

395

SPEC. NO. 3522

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3000	169	475	22	28		
Taps	1500						
Wind. Lgth.	1 15/32						
Wire Size	#33	#33	#23	#20	#18		
T.P.L.	169-18		56-9				
Kind Term.	#33 PRM		#20 PRM	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		50#				
Test Volt.							
Wrapper	1005V 34 PR	1005V	2005GA	2005GA	2005GA		
TUBE	7007	IMPREGNATION			VARNISH		
CORE	1 1/16 x 1 3/8	PRIMARY V.A.					
MOUNTING	A						



DESIGNED BY *Geo*

DATE 9/9/37

POWER TRANSFORMER

ROY O. PLUMMER

110V/115V/120V @ 60 Cycle

2750V @ 175 Ma.

5V CT @ 8 Amp.

SPEC. NO. 3523

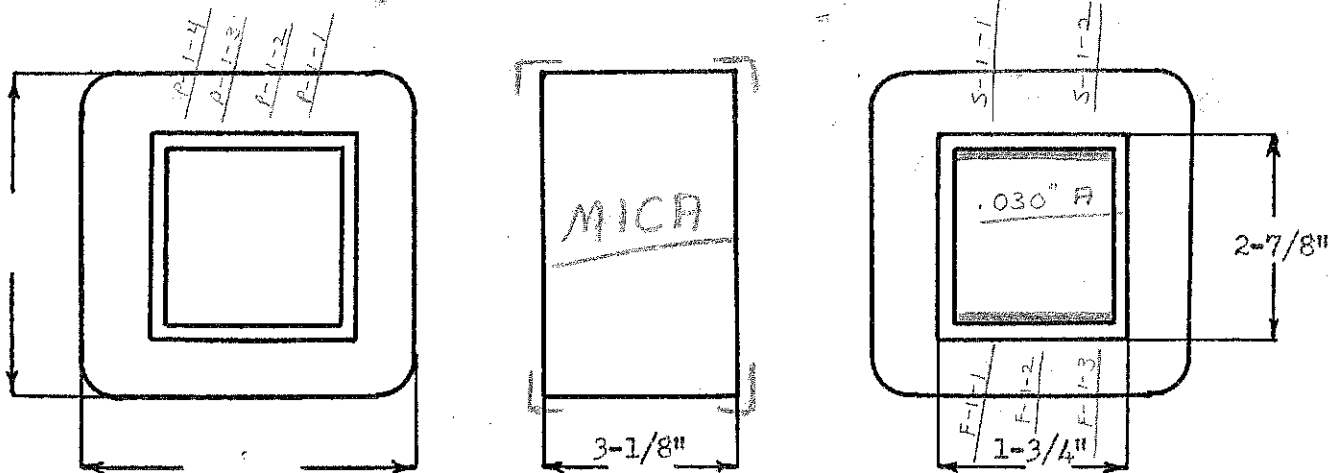
Winding	SECONDARY	PRIMARY	FILAMENT			
Turns	3700	154	7			
Taps	-	147 - 141	4			
Wind. Lgth.	2-3/8"	2-3/8"	1"			
Wire Size	#28	#13	Double #15			
T. P. L.	155 - 24L	29 - 5 1/2 L	7 - 1/2 L			
Pitch	88 1/2%	90%	82 1/2%			
Type Lead	#20 Dulac	W. O. to Lugs	W. O. to Lugs	(Start lead in coil - 6" Dulac)		
Lead Lgth.	4"	4"	4"			
Layer Insul.	2L 40#G	1L .010" CP	-			
Test Volt.	7500V	1500V	2500V			
Wrapper	3L 007 VC 3L 005 GA	2L .007" VC	3L .005" GA			
TUBE	10L - .007" GK / 1L - .007" VC		IMPREGNATION	VARNISH		

CORE 1-3/4 x 2-7/8 E & GA. 24 GRADE D STACK 2 x 2

MOUNTING "U" - (Uncased): Vertical Brackets - Long Bolts

Cu = 1520 - 815 - 813
 Fe = 66.2 @ 60 Cycle
 TPV = 1.28
 WN = .947 (.936)

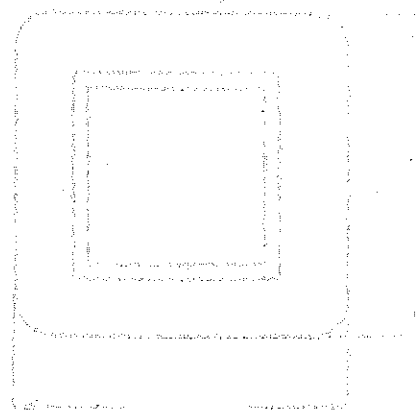
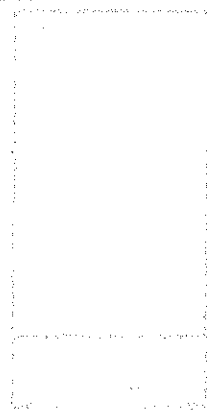
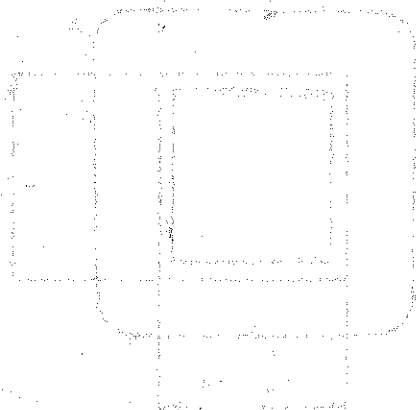
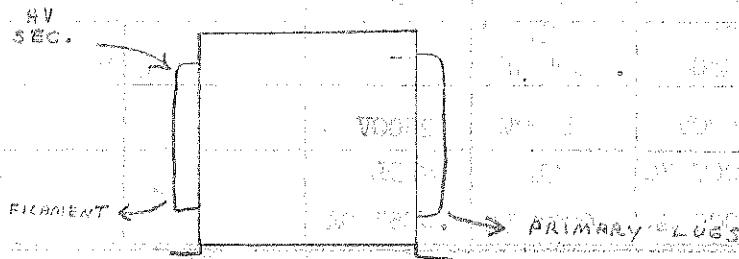
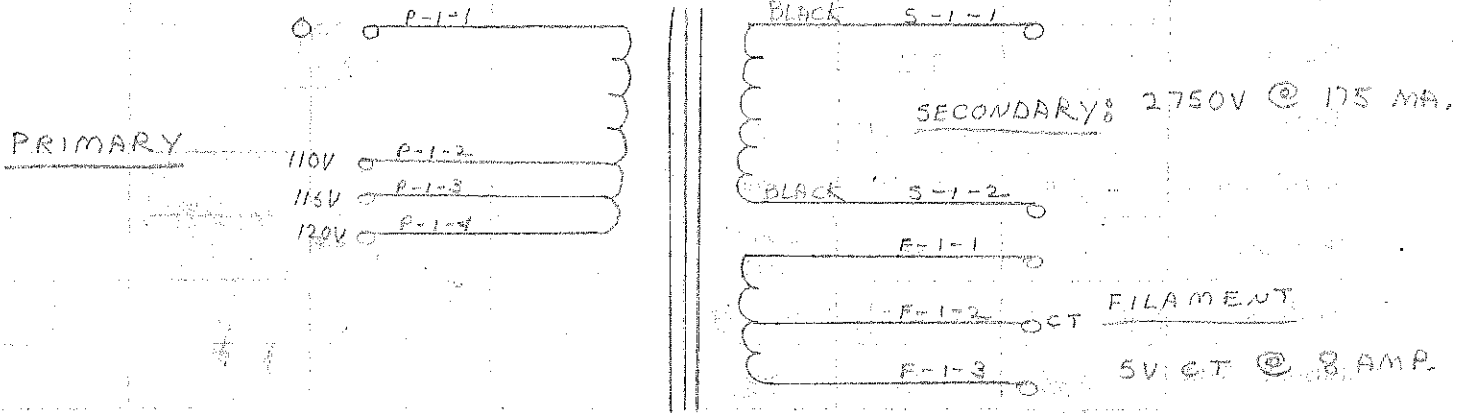
Sec. VA = 522
 Pri. VA = 700
 Pri. I = 6.36



DESIGNED BY GW

DATE 9-14-37
 (Copied: 10-23-44, me)

8523



P-110-115-120 25 V
 S-2750V-175ma
 F-5VCT-8amp

SPEC. NO. 3523-25V

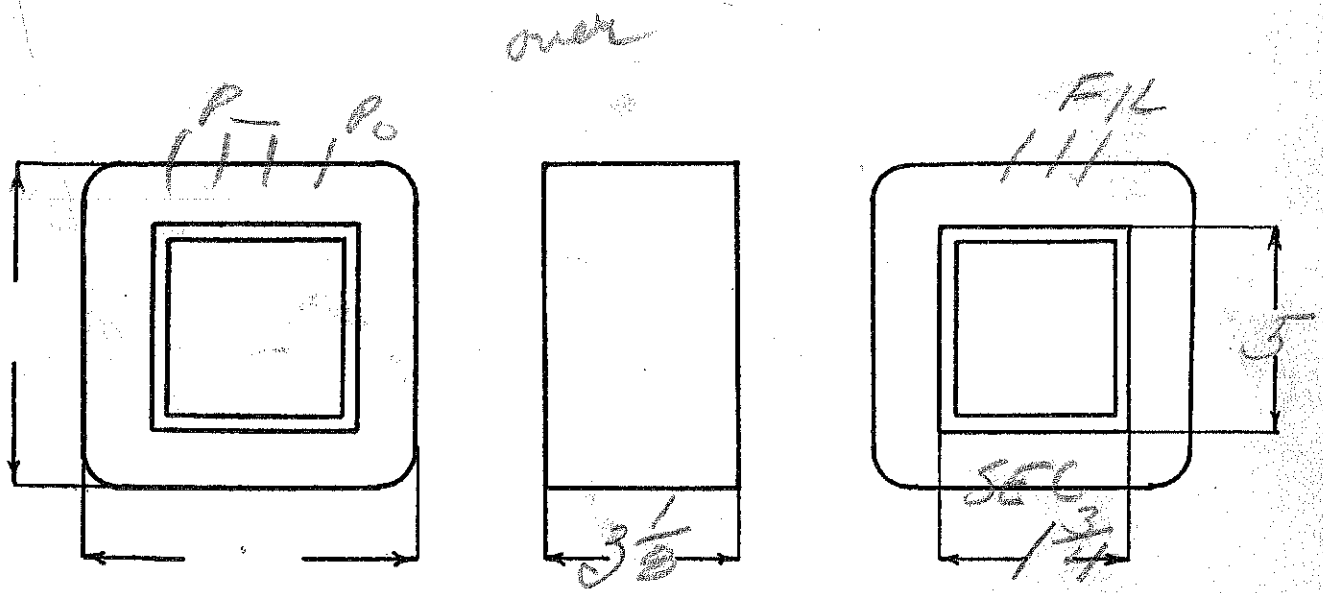
Winding	SEC	PRI	FIL				
Turns	3700	150	7				
Taps	—	144-139	4				
Wind. Lgth.	2 3/8	2 5/8	double				
Wire Size	#28	#13	#15				
T. P. L.	155	5L					
Finish		WIRE ONLY					
Type Lead	to facilitate strip	(to lug)					
Lead Lgth.	4"	4"	4"				
Layer Insul.	double 402	007K					
Test Volt.	7500						
Wrapper	3L00NC 3L005GA	3L005GA	3L005GA				

Start sec lead in coil
 6' Dulac

TUBE 106007H1007V1E IMPREGNATION varnish

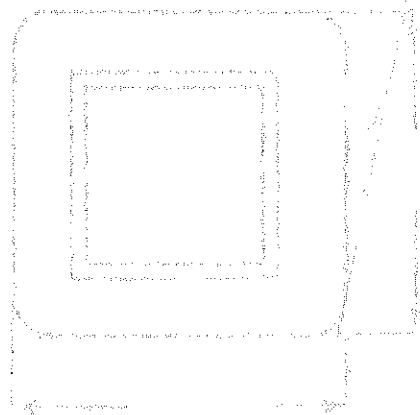
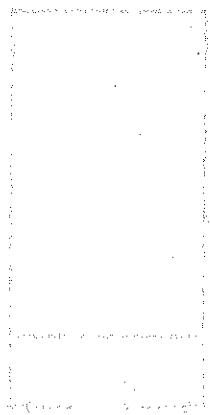
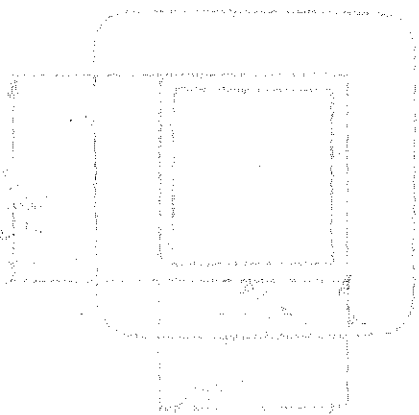
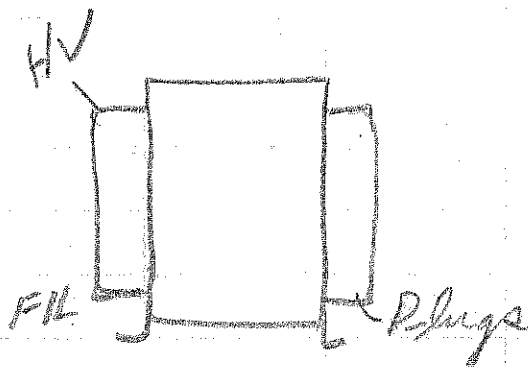
CORE 1/2 x 5 GA. GRADE STACK

MOUNTING uncored vertical brackets - long leads



DESIGNED BY *Geo*

DATE 12/6/37



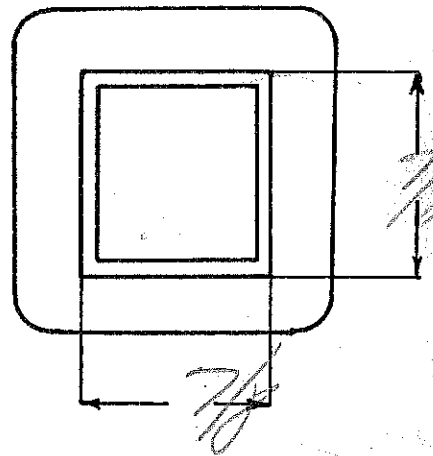
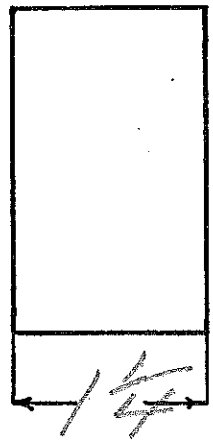
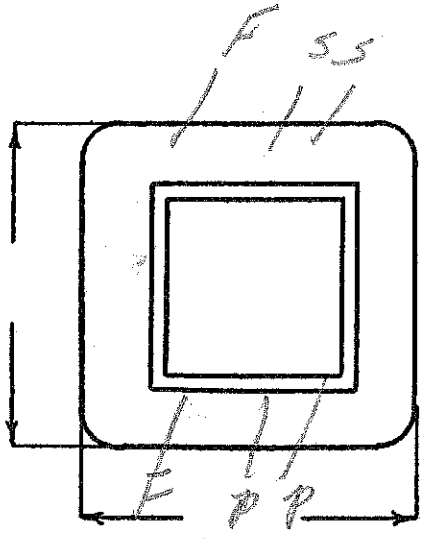
Ep - 115V - 25W
 Es - 280V - 22mA
 E_g - 5V - 1/4 amp

similar to type 2684D

13.2

SPEC. NO. 3524-252

Winding	SEC	PRI	FIL			
Turns	4300	1570	77			
Taps						
Wind. Lgth.	1 1/6					
Wire Size	#38	#31	#27			
T. P. L.	220-20	99-16	2L			
Finish						
Type Lead	SILBR	SILBR	W.O.			
Lead Lgth.	3 1/2	3 1/2	3 1/2			
Layer Insul.	30#	30#				
Test Volt.						
Wrapper	14007NC	20056A	20056A			
TUBE	52007			IMPREGNATION	VARNISH	
CORE	7/8 x 7/8	GA. 24	GRADE	STACK 2x2		
MOUNTING	D					



DESIGNED BY *SW*

DATE 9/15/57

P 230/115V
 E_s - 680 VCT (open)
 E₁ - 5.0V - 2 Amp
 E₂ - 5.9V - 1.9 Amp

SPEC. NO. 3525 } 230V
 } 115V

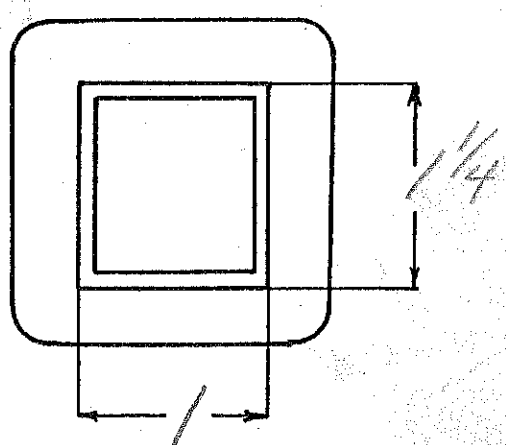
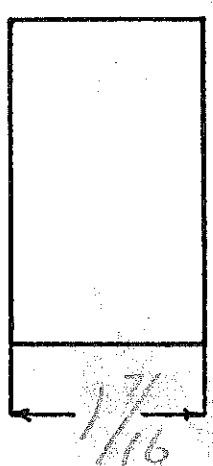
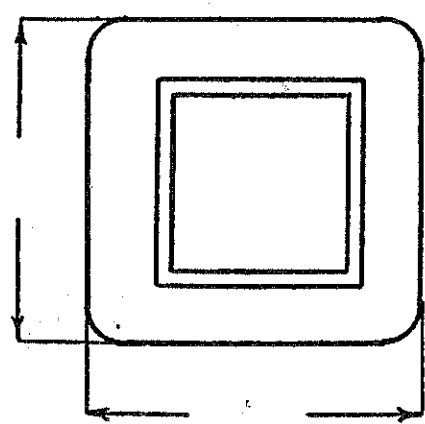
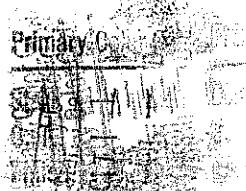
Winding	Sec	Shield	Continuous		Blue	Green
			F ₁	F ₂	F ₂	F ₁
Turns	3070	104	520	520	30	25
Taps	1535		—	—	—	—
Wind. Lgth.	1 1/4	1 1/4	1 1/4	1 1/4	—	—
Wire Size	#36	#30	#30	#27	#21	#21
T. P. L.	198-16		104-5	75-7	1 l	1 l
Finish			start yellow conductor black	finish white		
Type Lead	Pn Br	W.O.	Pa Br	Pa Br	Wire Only	
Lead Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#		40#	30#		
Test Volt.	Standard					
Wrapper	1L005VC	1L005VC	2L005CA	2L005CA	2L005BA	2L005GA

TUBE 5L007 GK IMPREGNATION Varnish

CORE 1X1 1/4 GA. 24 GRADE D STACK 2X2

MOUNTING SA

170 yellow
 110 black
 0 - white



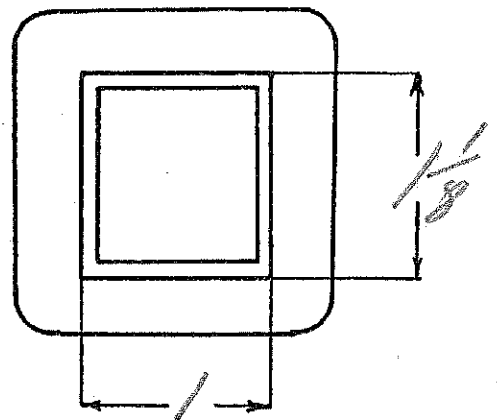
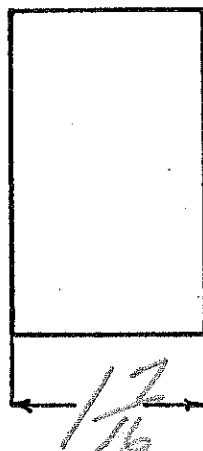
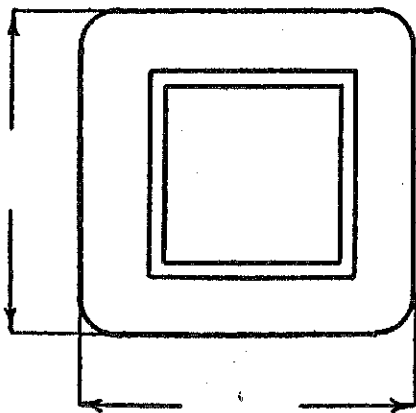
DESIGNED BY JCH

DATE 4-14-39

same winding as 3525 except for pri

SPEC. NO. 3525 240V

Winding	SEC	3/4 HED	DR1	F1	F2		
Turns	3650	1	1250				
Taps	1825						
Wind. Lgth.			1125				
Wire Size	36E	Sheet	#30				
T. P. L.	205-18	Copper	105-12				
Finish							
Type Lead							
Lead Lgth.							
Layer Insul.	16						
Test Volt.							
Wrapper							Double varnish
TUBE				IMPREGNATION			
CORE		GA.		GRADE			STACK
MOUNTING	JA						

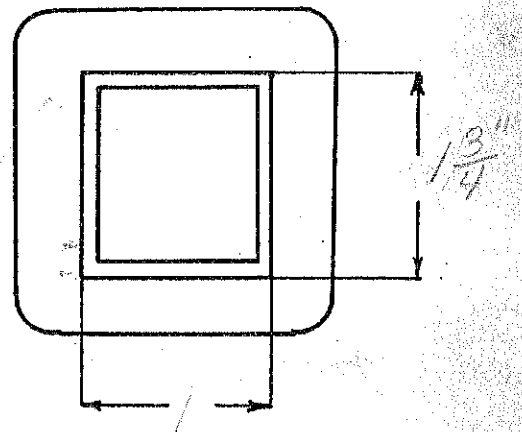
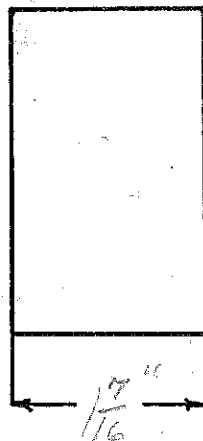
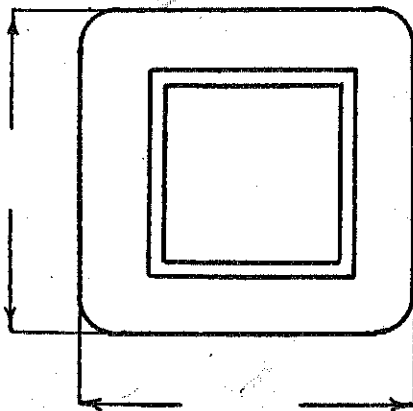


DESIGNED BY

DATE.

SPEC. NO. 3525-25A

Winding	Sec	Sh	Pri	Blnd 8"	Sec 8"		
Turns	3650	74	628	36	30		
Taps	1825	-	-	-	-		
Wind. Lgth.	1 1/4	1 1/4	1 1/4				
Wire Size	#36	#27	#27				
T. P. L.	205-18	74	74-9	#21	#21		
Finish							
Type Lead	#22 solid Blnd	W.O.	#22 solid/blnd	W.O.	W.O.		
Lead Lgth.	4"	-	4"	9"	9"		
Layer Insul.	Double 1/4"	-	40 th	-	-		
Test Volt.							
Wrapper	24005VP	24005VP	24005GA	24005GA	24005GA		
TUBE	24007" BK			IMPREGNATION			Varnish
CORE	1 x 1 3/4	GA.	24	GRADE	D	STACK	2 x 2
MOUNTING	SA						



DESIGNED BY

WAJ

DATE

8/30/39

EP - 120
 Es - 680 V.C.T. (Open)
 EF - 5.0 V. - 2 Amp.
 EF - 5.9 V. - 1.9 Amp.

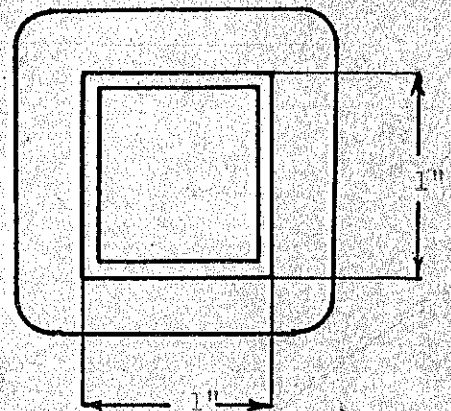
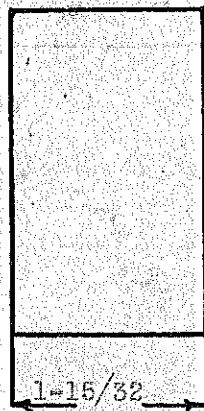
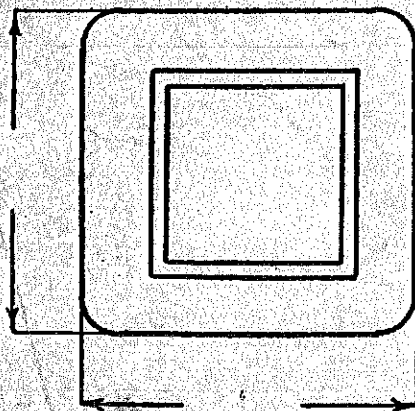
For Packard Bell Model 46K

535

SPEC. NO. 3525

Stamp
 Also check G.B.
 On case only

Winding	SEC.	SHIELD	PR1	BLUE F1	GREEN F2		
Turns	3650	74	640	36	30		
Taps	1825	-	-	-	-		
Wind. Lgth.	1.25	1.25	1.25	-	-		
Wire Size	#36	#27	#27	#21	#21		
T. P. L.	205-18	74	74-9	-	-		
Finish							
Type Lead	#22 Solid 6-1 Pin Open	W.O.	#22 Solid 6-1 Pin Open	WIRE	ONLY		
Lead Lgth.	9"		9"	9"	9"		
Layer Insul.	Double 16#	-	40#	-	-		
Test Volt.	2500		1250	1250	2500		
Wrapper	1L.005VA 1L.005VB	1L.005VC	2L.005CA	2L.005CB	2L.005CC		
TUBE	5 L. 007			IMPREGNATION		VARNISH	
CORE	1" x 1"	GA.	24	GRADE	DYNAMO	STACK	2 x 2
MOUNTING	SA.	SHORT BOLTS					



DESIGNED BY GLENN W. WEAVER

DATE 9/10/37

Ep-115

Es-450-475-500v side CT rooma - 5 1/2" long

Ep-5V-3amp Ep-6.3V-5amp

Ep-6.3V-1amp

SPEC. NO. 3526

Winding	SEC SHIELD	DR1	F ₁	F ₂	F ₃	
Turns	1720-1677 1634-860	200	9 1/2	12	12	
Taps	86-43					
Wind. Lgth.	1.75					
Wire Size	#28	#28	#20	#18	#22 #18	
T. P. L.	118-18		4.25L		1 layer	
Finish						
Type Lead	#20	WIRE ONLY	#20	WIRE ONLY		
Lead Lgth.	9"	3"	9"			
Layer Insul.	20#		50#			
Test Volt.						
Wrapper	W77VC	W77VC	W77VC		W77VC	

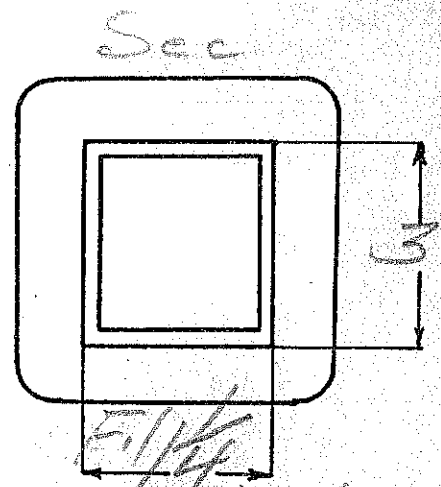
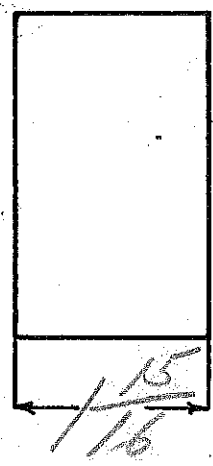
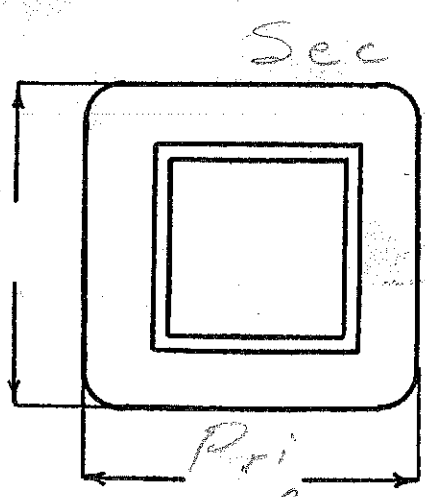
TUBE 96007 IMPREGNATION V

CORE GA. 24 GRADE 2 STACK 2x2

MOUNTING A

500V - Red
475V - White
450V - Green
CT - Blue

F₃ on last pri layer



DESIGNED BY

Sho

DATE

9/18/37

ED-105-115-125

ES-10VLT-7amp

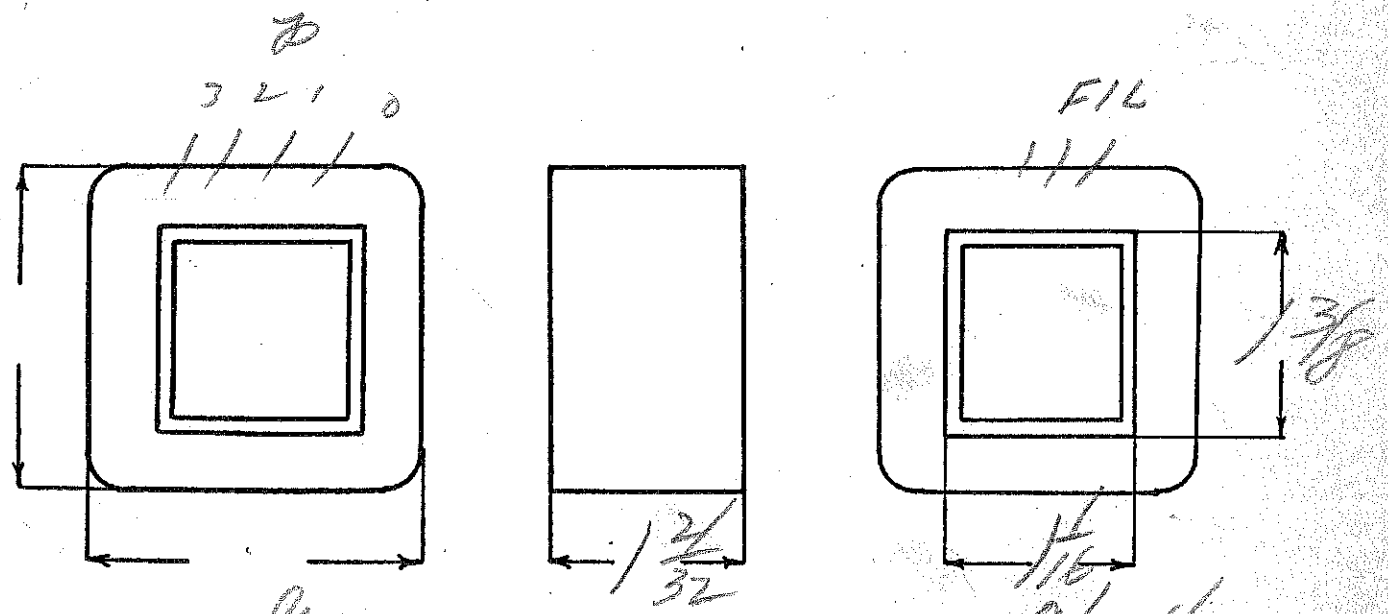
SPEC. NO. 3527

Winding	ϕ	F				
Turns	500 460	46				
Taps	420	23				
Wind. Lgth.	1 15/32					
Wire Size	#23	#14				
T. P. L.	56-10	3L				
Finish	WIRE ONLY					
Type Lead	LUGS					
Lead Lgth.	3"	3"				
Layer Insul.	50# 007					
Test Volt.						
Wrapper	210056A	210056A				

TUBE 76007 IMPREGNATION VARNISH

CORE 1/16 x 1 3/8 GA. GRADE STACK

MOUNTING BB diameter of Bar



DESIGNED BY *SW*

DATE 9/14/37

Ep-118

Es-1500V-400MA

SPEC. NO. 3528

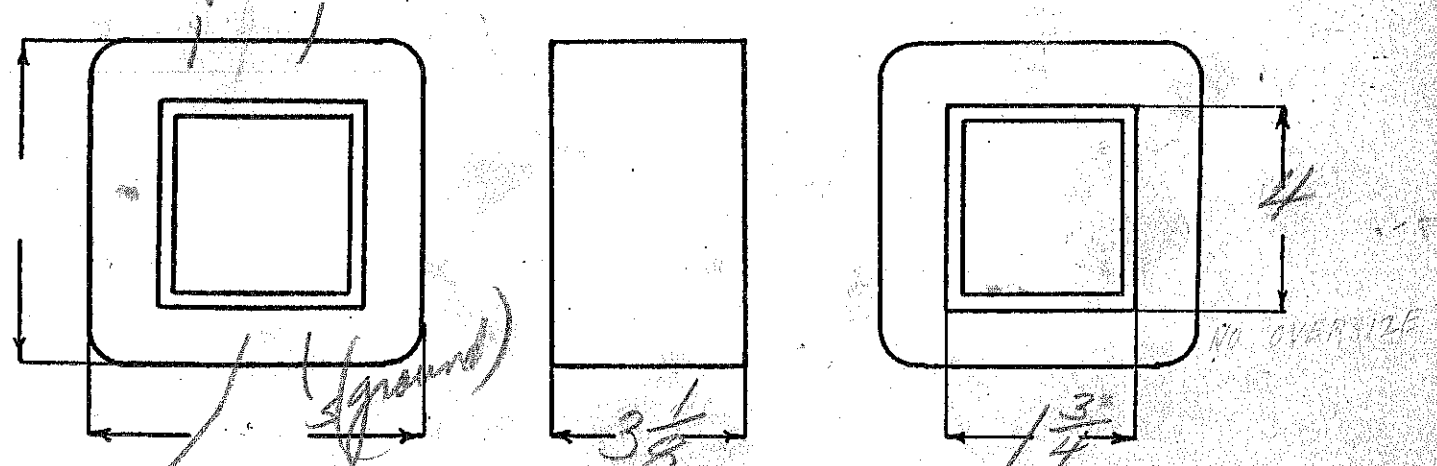
Winding	SEC	PRI				
Turns	1440	109				
Taps						
Wind. Lgth.	2 7/16	2 3/4				
Wire Size	#24	#11				
T. P. L.	103-14	4L				
Finish	leads	WO.				
Type Lead	#20 Dulac lug					
Lead Lgth.	12"	4"				
Layer Insul.	Double 50#	007K				
Test Volt.	5000					
Wrapper	3L007K	2L005GA				
	2L005GA	1L010RR				

TUBE	102007	IMPREGNATION	VARNISH
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CORE	1 3/4 x 4	GA.	24	GRADE	D	STACK	2x2
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MOUNTING vertical brackets - cadmium - black paint on laminated

sec. start wire only - ground to core
 sec. finish - #28 Dulac
 OVER



DESIGNED BY *Geo*

DATE 9/15/37

auto transformer 120-100-92V - 1.2 amp

Continuous

74

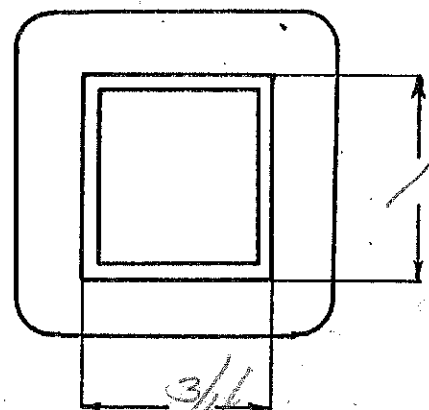
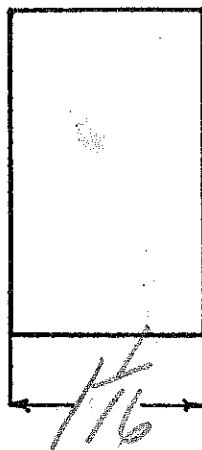
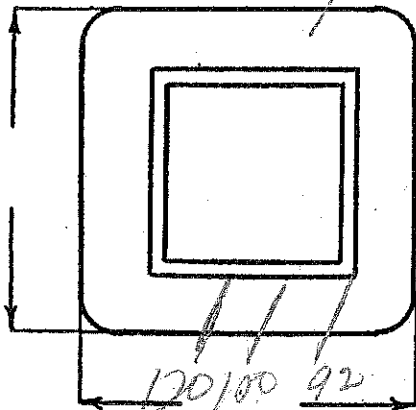
SPEC. NO. 3529

Winding						
Turns	725	162				
Taps		60				
Wind. Lgth.	7/8					
Wire Size	#29	#23				
T. P. L.	66-11	5L				
Finish	WIRE ONLY					
Type Lead	Lugs					
Lead Lgth.	3"	3"				
Layer Insul.	30#					
Test Volt.						
Wrapper	2L005BA					

TUBE 5007 IMPREGNATION VARNISH

CORE 3/4 x 1 GA. 24 GRADE Dynamo STACK 2x2

MOUNTING D



DESIGNED BY

fw

DATE

9/13

Ep - 120V

Es - 3500 - 20ma

365

SPEC. NO. 3530

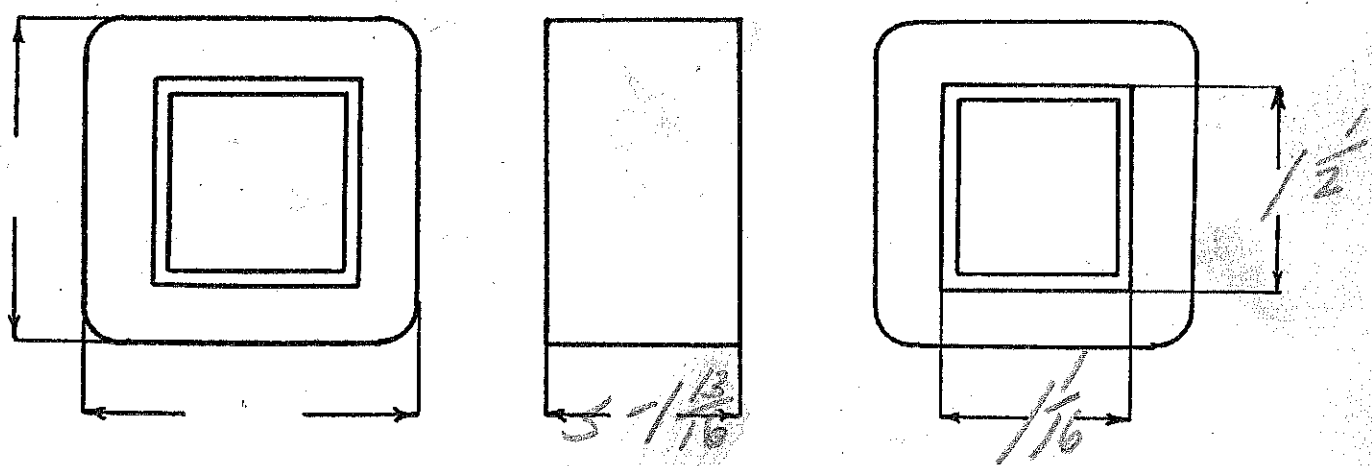
Winding	P	S _{ve}				
Turns	430	14000				
Taps						
Wind. Lgth.	3/4	13/8				
Wire Size	#22	#37				
T. P. L.	25-18	250-56				
Finish	W.O	sil B.				
Type Lead	—	—				
Lead Lgth.	6"	6"				
Layer Insul.	50#	double 30#	Spiral of first and last two sec			layers
Test Volt.		7500				
		3100 V.C				
Wrapper	3005GA	21005GA				

TUBE 91007+ (21007VC on sec) IMPREGNATION Varnish

CORE 1/2" x 1 1/2" double GA. 24 GRADE D STACK

MOUNTING J Pri - stud bolts - gap about 20ma

start sec lead in coil



DESIGNED BY

Ø - 1"

DATE

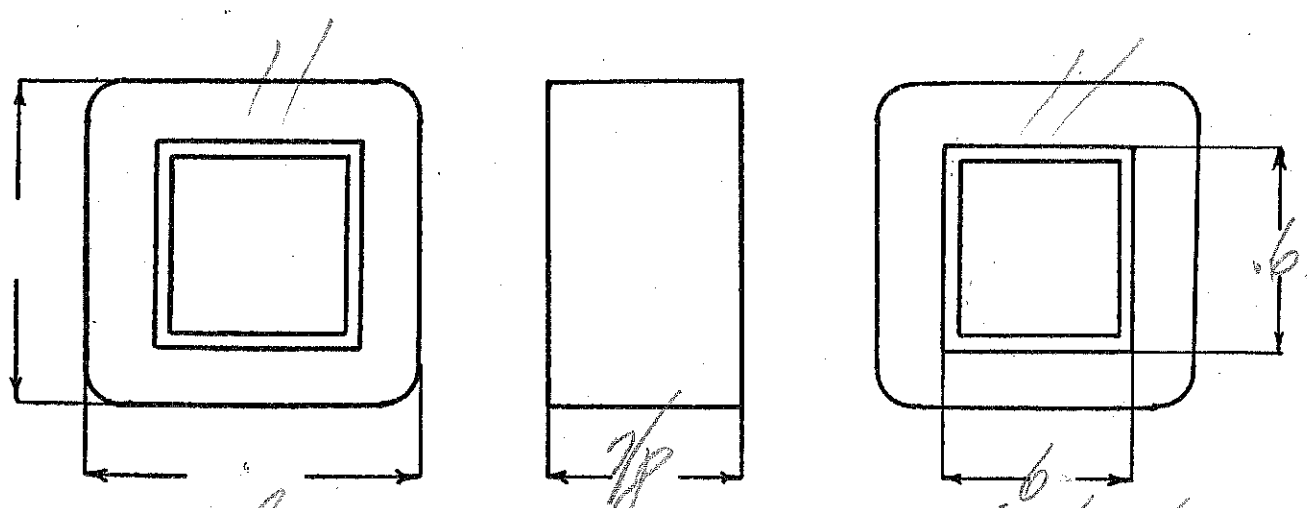
SPEC. NO. 3531

Winding	SEC	PR1				
Turns	2450	250				
Taps						
Wind. Lgth.	231 132					
Wire Size	#38	#27				
T. P. L.	155-16	42-6L				
Finish		W.O.				
Type Lead	#20 Par. Bu.	W.O.				
Lead Lgth.	8 1/2	8 1/2				
Layer Insul.	20#	30#				
Test Volt.						
Wrapper	11007KC	210056A				

TUBE 5L007 IMPREGNATION VARNISH

CORE 5/8 x 5/8 GA. 24 GRADE D STACK

MOUNTING



DESIGNED BY *Law*

DATE 9/17/37

Ep-12VCT-02 120V
 Es- 800VCT- 150MA
 Ef- 5V-3amp

285
MIMS
SPEC. NO. 3532

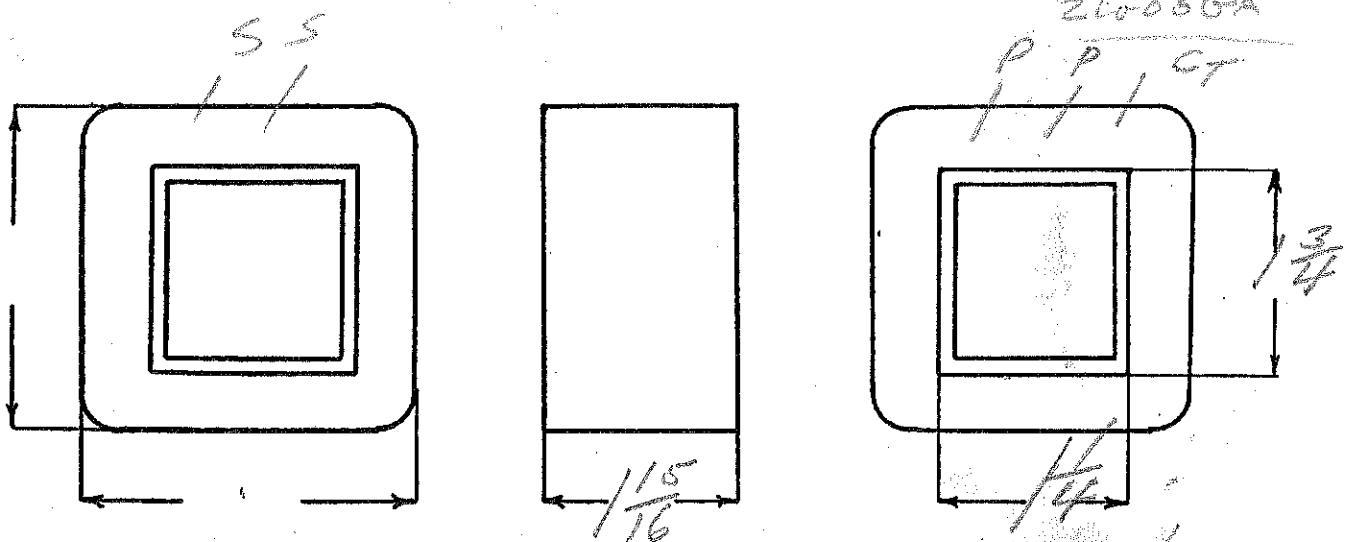
Winding	SEC	SHIELD	PRI ₁	PRI ₂	FL		
Turns	2500	1	340	30	16		
Taps	1250			15	-		
Wind. Lgth.	1.75	✓	✓	✓	✓		
Wire Size	#30	SHIM STOCK	#22	#13	#17		
T. P. L.	140-18		59-6	24			
Finish							
Type Lead	#20 P.P.	W.O.	#20 P.P.	WIRE ONLY			
Lead Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	16#		10#	✓	✓		
Test Volt.							
Wrapper	21007VC	11007VC	21005GA	21005GA	21005GA		

TUBE 71007+11007VC IMPREGNATION Varnish

CORE 1/4 x 1 3/4 GA. 24 GRADE D STACK 2x2

MOUNTING A

heavy insulation in finishing! - 2000 volt peaks



DESIGNED BY *GW*

DATE 9/15/37

Ep-117V

ES - 580VCT-120 hnd

EF-6.3V-1.7amps

49

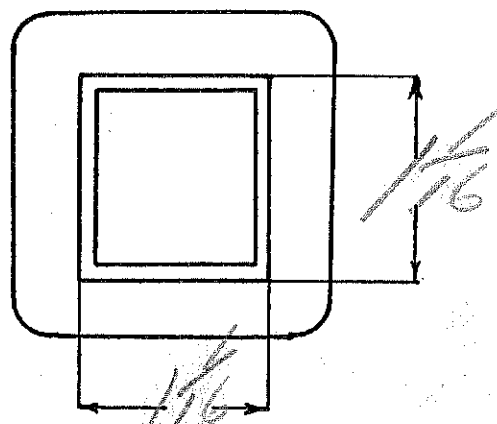
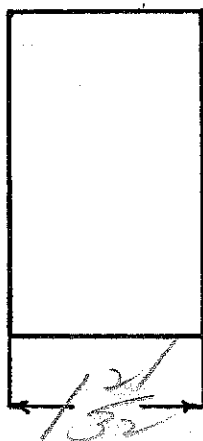
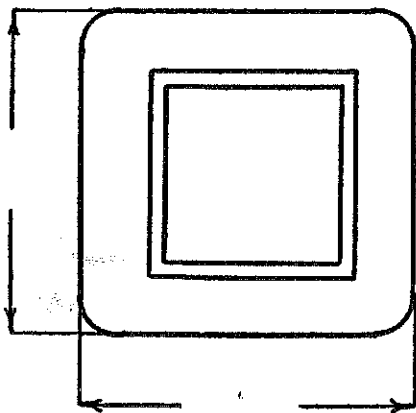
SPEC. NO. 3533

Winding	SEC	SHIELD	PRI	FIL			
Turns	3080	63	568	34			
Taps	1540						
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	✓				
Wire Size	#32	#24	#24	#20			
T. P. L.	154-20		63-9				
Finish							
Type Lead	#20 0.01	W.O.	#20 1/2"	W.O.			
Lead Lgth.	9"	3"	9"	9"			
Layer Insul.	double 16#		40#				
Test Volt.							
Wrapper	1000WC	1000WC	2005GA	5005GA			

TUBE	7607	IMPREGNATION	✓
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CORE	1/16 x 1/16	GA.	24	GRADE	0	STACK	2+2
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MOUNTING A



DESIGNED BY

[Handwritten signature]

DATE

9/18/37

Ep-120V
 Es-600VCT-60ma cool
 Ef-5V-ramp
 Et-63V-ramp

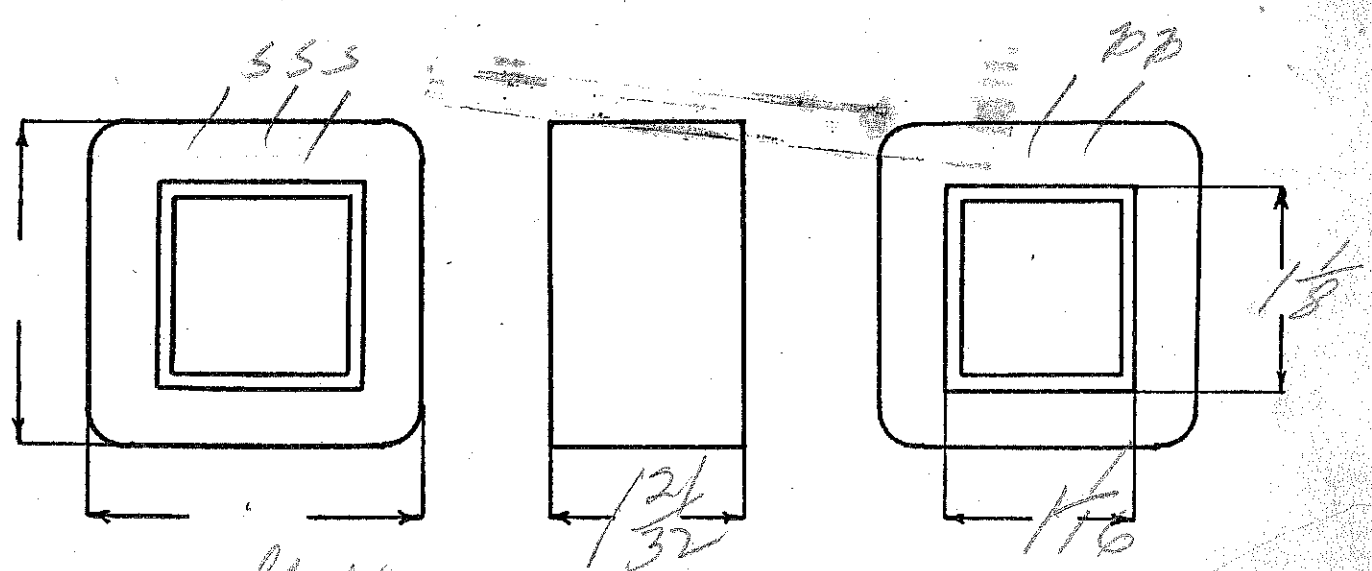
SPEC. NO. 3534

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3250	61	606	28	35		
Taps	1625						
Wind. Lgth.	1 ¹⁵ / ₃₂	✓	✓				
Wire Size	#34	#24	#24	#18	#19		
T. P. L.	185-18		61-10				
Finish							
Type Lead	#20 PWR	NO.	#20 PWR	WIRE ONLY			
Lead Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		50#				
Test Volt.							
Wrapper	1L007VC	1L007VC	2L005BA	2L005BA	2L005BA		

TUBE 7L007 IMPREGNATION VARNISH

CORE 1 1/16 x 1 1/8 GA. 24 GRADE D STACK 2x2

MOUNTING A



DESIGNED BY *GAN*

DATE 9/13/37

Blue Black White
Ep-110-120 -0

KAAR

Es-15000V-30 mA - Ground CT

SPEC. NO. 3574 Revision

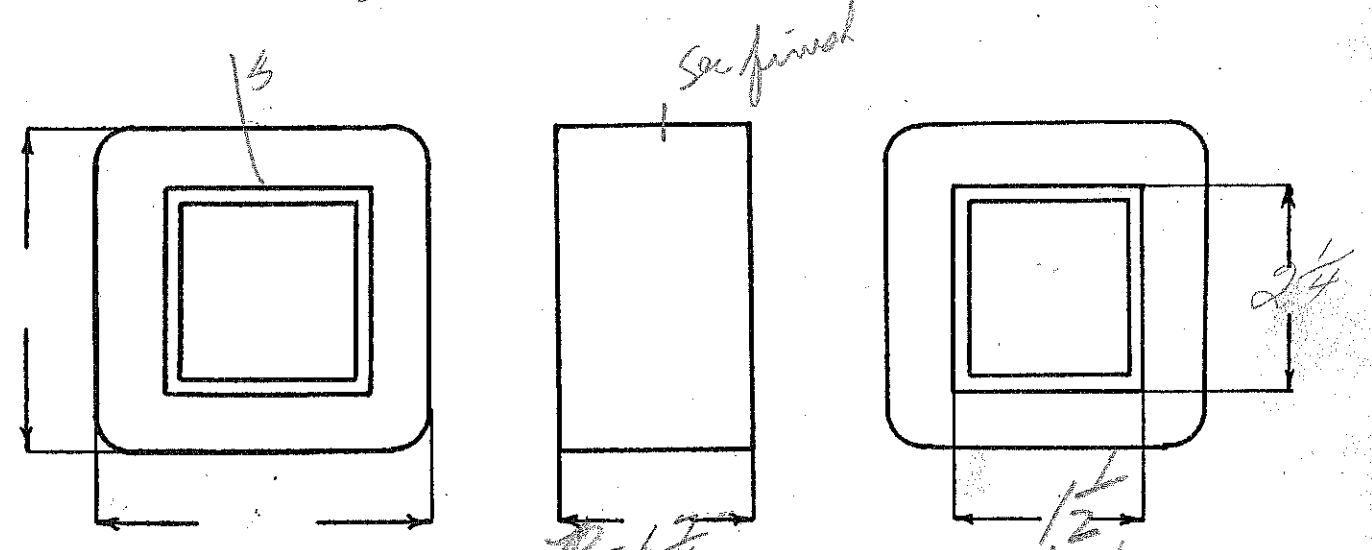
2 coils 18

Winding	PRI		SEC			
Turns	215	}	15000			
Taps	206					
Wind. Lgth.	1 1/4			7/8 ← wind coils		
Wire Size	#15			#37		start ↓ finish
T. P. L.	12L			160-95		5/16 7/8 5/8
Finish	W.O					
Type Lead						
Lead Lgth.	6"					
Layer Insul.	007K		double 20#			
Test Volt.						0.30 mica 0.30 amite
Wrapper	30005GA		30007KC 30005GA			use mica + fiber end papers
TUBE	P-92007 S-102007		IMPREGNATION		Varnish	

CORE GA. 24 GRADE D STACK Butt stack

MOUNTING J

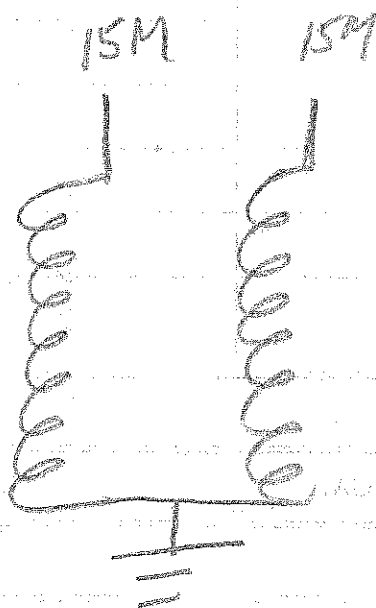
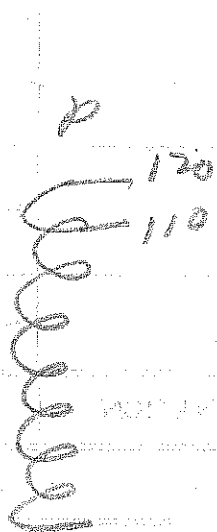
Spiral sec start + finish layers - start sec over. lead in coil



DESIGNED BY

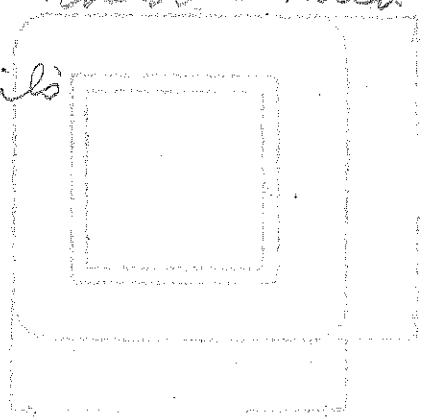
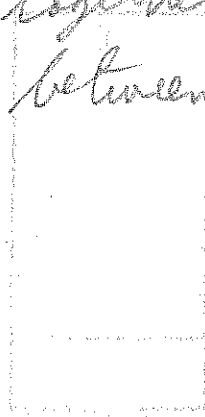
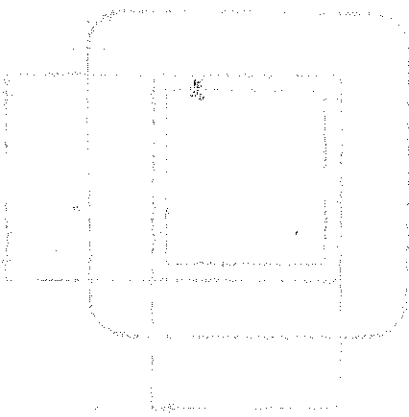
P-1 7/16
S-1 1/16

DATE 7/9/38



Reverse assembly

assemble coils with starts
together on inside - mica spacers
between coils

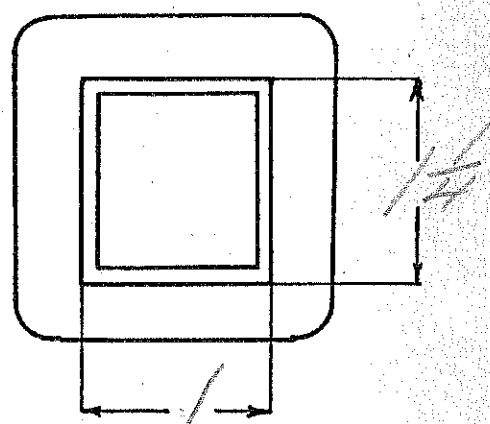
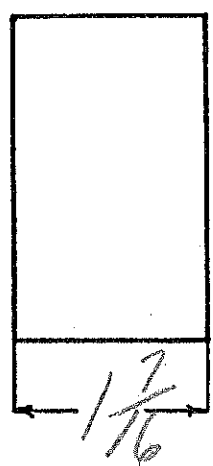
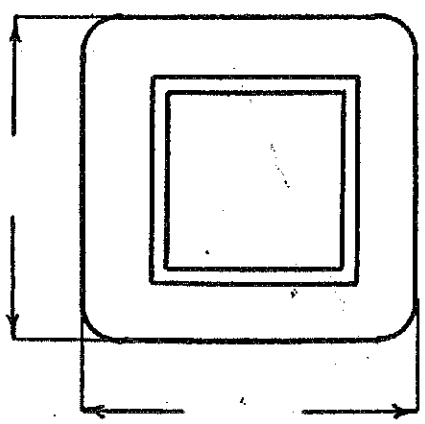


Ep-240V
 Es-660V-45ma
 Ef-5V-2amp
 Ef-6.3V 1.9amp

463

SPEC. NO. 3535-240V

Winding	SEC	SHIELD	PR1	F ₁	F ₂		
Turns	3000	93	1120	26	32		
Taps	1500						
Wind. Lgth.	1.25	1.25	1.25				
Wire Size	#36	#29	#29	#21	#20		
T. P. L.	200-16		93-12				
Finish							
Type Lead	#20 P.W. 12"		#20 P.W. 12"	WIRE ONLY			
Lead Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 15#		40#				
Test Volt.							
Wrapper	1007VC	1007VC	2005B	2005B	2005B	Double	
TUBE	5007			IMPREGNATION		Varnish	
CORE	1x1/4	GA.	24	GRADE	Ø	STACK	2x2
MOUNTING	A						



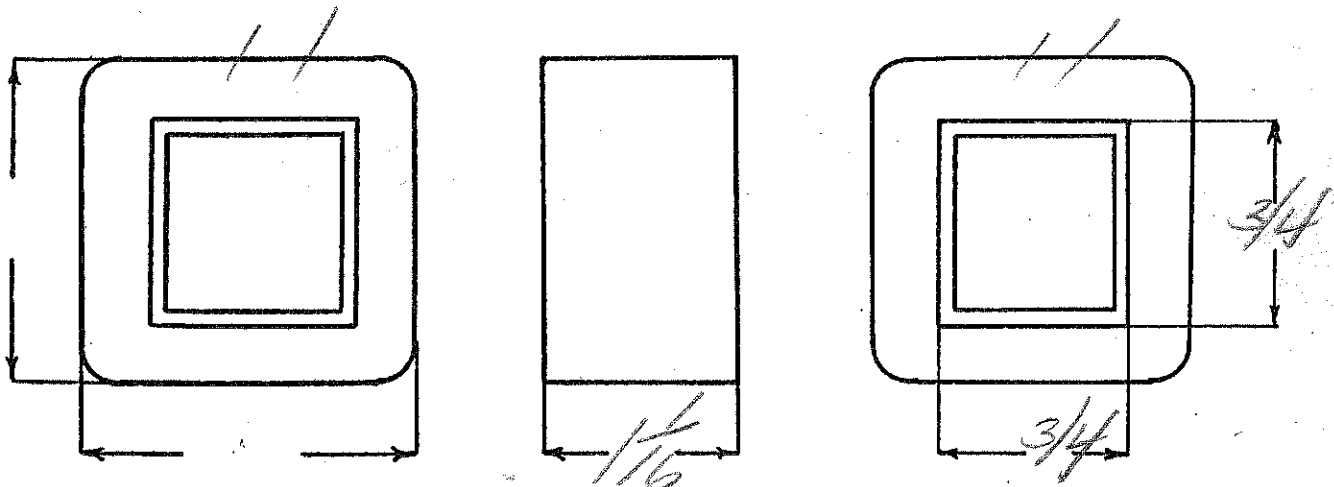
DESIGNED BY *gww*

DATE 9/13/37

SPEC. NO.

3536

Winding	SEC	PR1				
Turns	2500	250				
Taps	—	—				
Wind. Lgth.	7/8	7/8				
Wire Size	#38	#27				
T. P. L.	180-14-50-5					
Finish						
Type Lead	#20 PWB	WIPE ONLY				
Lead Lgth.	9"	9"				
Layer Insul.	#30	40#				
Test Volt.						
Wrapper	11007C	210055A				
TUBE	71007		IMPREGNATION	VARNISH		
CORE	3/4 X 3/4 - E	GA. 24	GRADE	STACK		
MOUNTING	w/lead					



DESIGNED BY

DATE

Ep-118

ES-2000V-1750-1500 400ma

.795

SPEC. NO. 3537

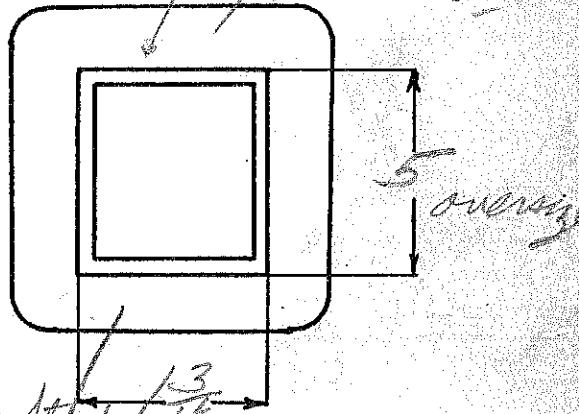
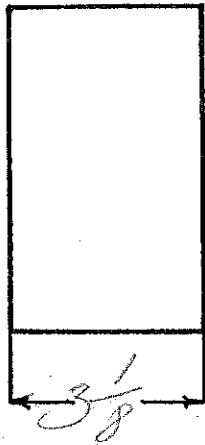
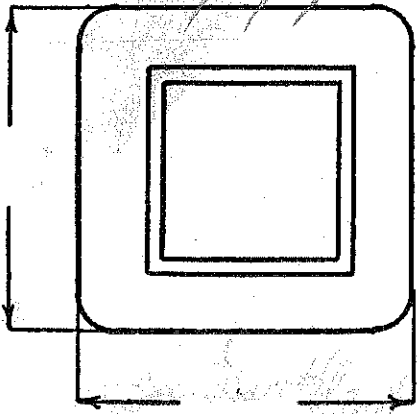
Winding	SEC	PR1				
Turns	1660	94				
Taps	1275-1470					
Wind. Lgth.	2 5/16	2 5/8				
Wire Size	#24	#10				
T. P. L.	98-17	4L				
Finish	tap finish - W.O. start lead in coil	W.O.				
Type Lead	#20 Dulac lug					
Lead Lgth.	see below	4"				
Layer Insul.	44-30#	.007K				
Test Volt.	7500					
Wrapper	3L007VC	2L005SA				
	2L005GA	1L010PP				

TUBE 10L007#2007VC IMPREGNATION VARNISH

CORE 1/34 X 5 GA. 24 GRADE D STACK

MOUNTING C - alum. part - aluminum vented shell

start lead out top (start #20 Dulac in coil and splice to #14 motor cable - splice covered with VC tubing) - length 5 (lugs) 26" out



DESIGNED BY *GW*

Sec Start / # (lead) DATE 9/15/37

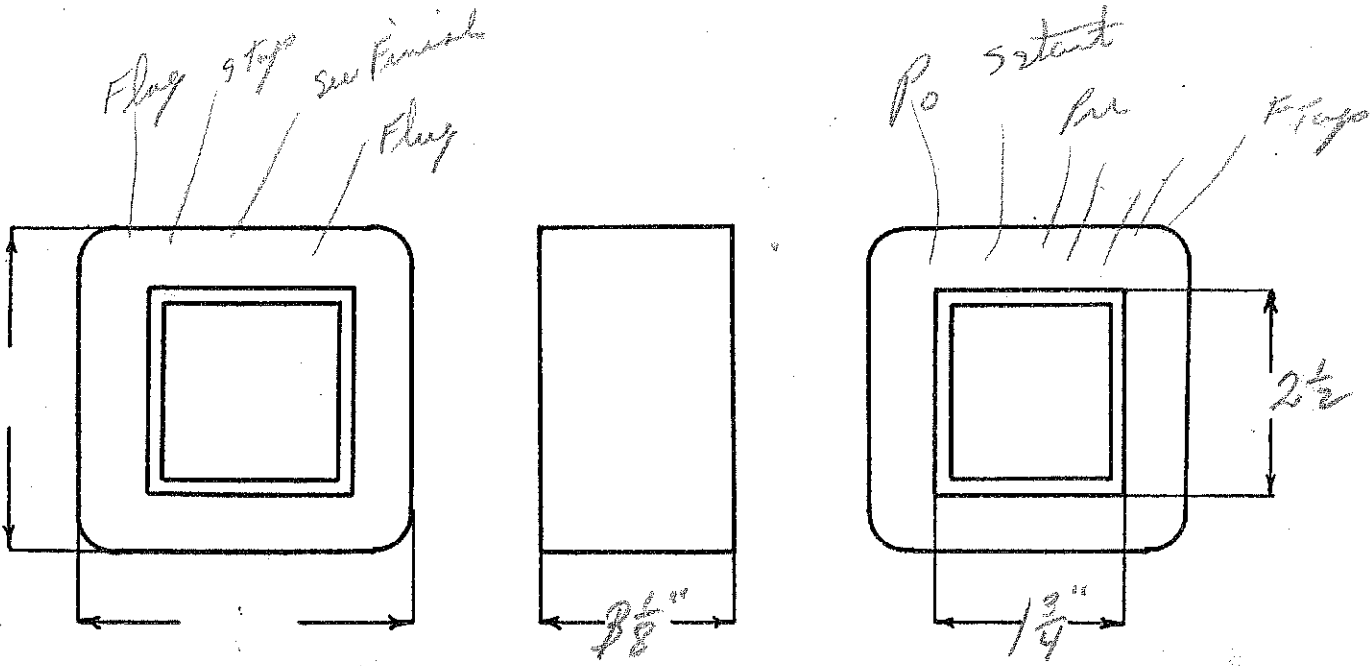
EP 220-230-240-250
yellow Black Green Red

Eg 1560V-1475Tap
FP 224 CT 4A

1.52

SPEC. NO. 3538-240V

Winding	Sec		Pri	Ed			
Turns	2380		376	34			
Taps	2260	332-346-362		17			
Wind. Lgth.	2 1/2						
Wire Size	#25		#17	#16			
T. P. L.	120-20		6L				
Finish	-		stud wo				
Type Lead	#20 Aniline		type 11 in stud	WO			
Lead Lgth.	9"		9"	3"			
Layer Insul.	handble 40"						
Test Volt.	5000V						
Wrapper	2L1007VC 2L1005GA		3L1005 GA	3L1005GA			
TUBE	10L1007"6K - 1L1007VC		IMPREGNATION		Varnish		
CORE	1 3/4" X 2 1/2 GA.	24	GRADE D		STACK 2 X 2		
MOUNTING	C - closed type Black Form - Cad Sheet						



DESIGNED BY gw/021

DATE 10/2/39

110-115-120-125V Pri - 60w

C. J. Kase Co.

1560V or 1475V @ 300ma

22V CT @ 4Amp

SPEC. NO. 3538

Winding	See		Pri		Sec.	
Turns	2380		188		34	
Taps	2260	181-174-167			17	Note: Heavy finishing
Wind. Lgth.	2 1/2		2 1/2		2 1/2	
Wire Size	#25		#14		#16	Mica Saddle
T. P. L.	120-20L		34-6h		34-1L	etc.
Finish	91%		90%		71%	
Type Lead	#20 Duple		Start - W/O + sleeve Taps - #16 P.V. BU.		W.O. sleeve	Keep leads well separated
Lead Lgth.	9"		9"		3"	
Layer Insul.	2L 40#G		1L @ 10"A		-	
Test Volt.	5000V		-		-	
Wrapper	2L-007VC 2L-0056A		3L 10056A		3L 10056A	

TUBE 10L-0076K + 1L-007VC IMPREGNATION Double Varnish

CORE 1 3/4 x 2 1/2 Ex GA. 24 GRADE D STACK 2 x 2

MOUNTING "C" - Closed type - Black Lam. - Padish shell

Cu = 1065-605-646

Fe = 64.8 @ 60w

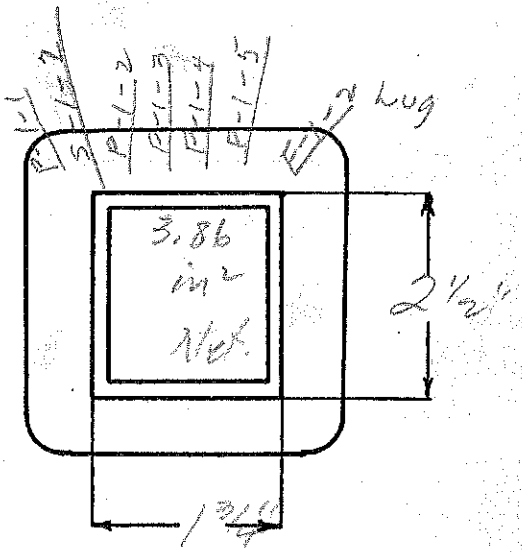
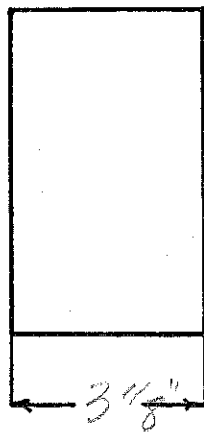
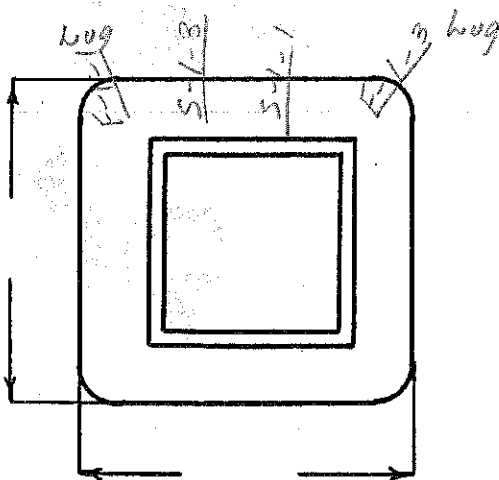
TPV = 1.5

Wire Net = 0.964" (0.947")

Σ See VA = 556 $\phi = 83$

Pri VA = 745 $\cos \theta = 90$

Pri I = 6.78 Amp



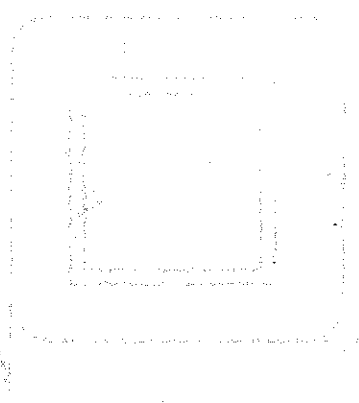
Re DESIGNED BY NLR

OU 4U

DATE 2-27-42

125 o Red
1200 ~~Green~~
115 o Black
110 o Yellow
W.O.

Blue o 1560V
~~Black~~ o 1475V
Blue o 0
WHITE
ET 220 @ 4A



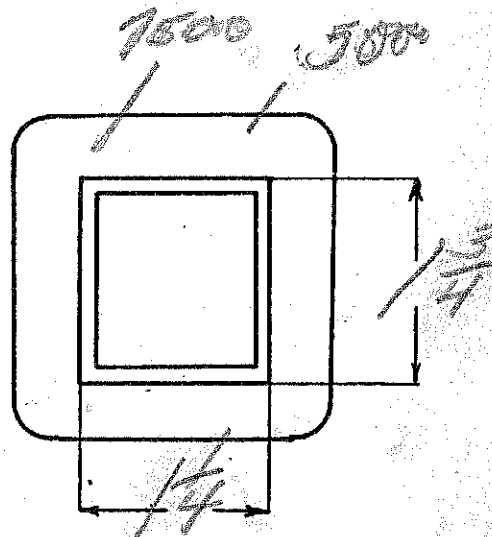
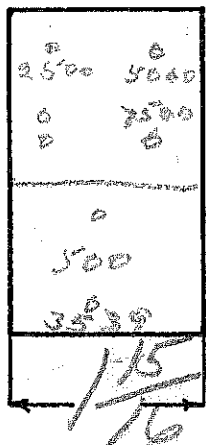
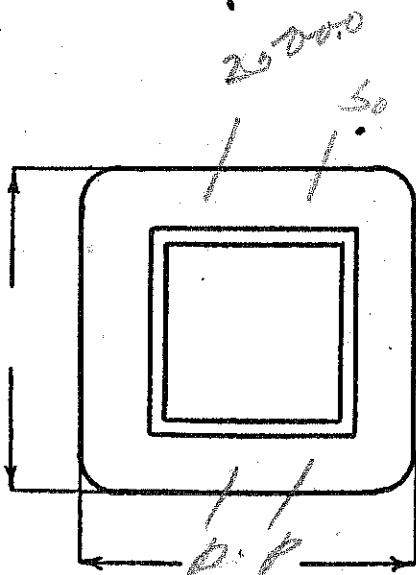
Pri - 500Ω

Sec - 7500Ω = 100ma,

5000Ω 150ma, 2500Ω 200ma

40watts audio SPEC. NO. 9539

		Continuous					
Winding	PRI	SEC					
Turns	600	1400	600	450			
Taps							
Wind. Lgth.	1 5/8	1 1/2					
Wire Size	#25	#28	#30	#32			
T. P. L.	77-8	100-14	124-5	170-3			
Finish	WIPE ONLY						
Type Lead							
Lead Lgth.	6"						
Layer Insul.	50#	double 20#					
Test Volt.			5M				
Wrapper	3100W	2100W	2100W	5GA			
TUBE	72007		IMPREGNATION		YARNISH		
CORE	1/4	GA. 24	GRADE D		STACK 1015 1/4		
MOUNTING	F						



DESIGNED BY

[Signature]

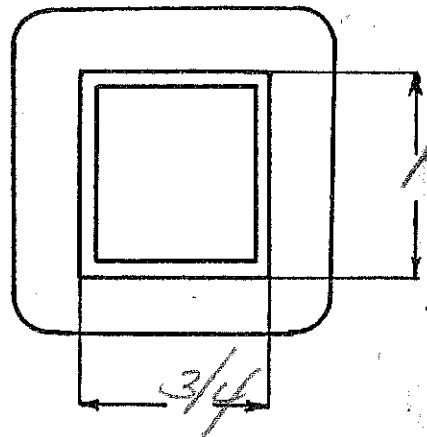
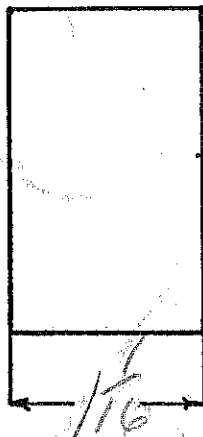
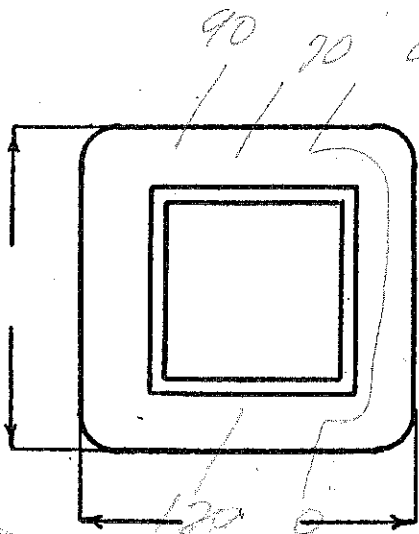
DATE

Ep-120,
 Ec-90v-70v-.6 amp

735

SPEC. NO. 3540

Winding	PR 1					
Turns	883					
Taps	572-730					
Wind. Lgth.	7/8					
Wire Size	#27					
T. P. L.	52-17					
Finish	W.O.					
Type Lead	W.O.					
Lead Lgth.	3"					
Layer Insul.	30 #					
Test Volt.	1250					
Wrapper	210056A					
TUBE	56007	IMPREGNATION	Varnish			
CORE	3/4 X 1	GA. 24	GRADE D	STACK	2 X 2	
MOUNTING	D					



DESIGNED BY *gnw*

DATE 9/20/37

ES-3000 VCT-150ms (self-retained)

SPEC. NO. 3541

Auto-man

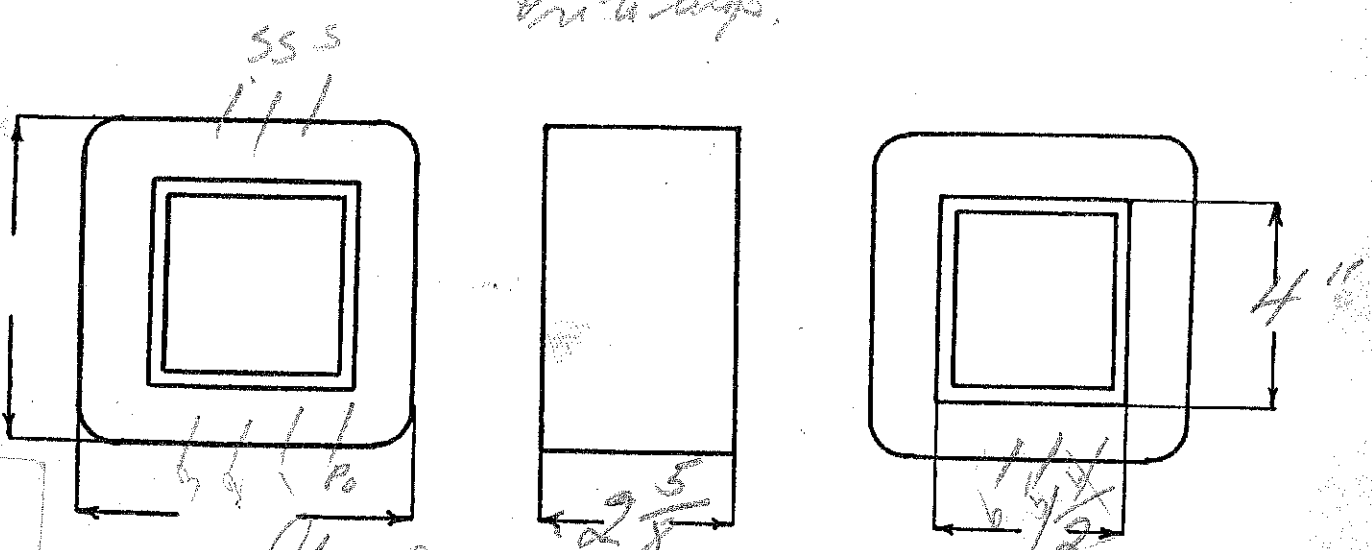
Winding	SEC	PR1				
Turns	3200	129	30	150		
Taps	1600	120	15	50		
Wind. Lgth.	17/8	2 1/4				
Wire Size	#29	#16	#18	#20		
T. P. L.	133-24		!!	32		
Finish				32		
Type Lead	WIT 5	0164				
Lead Lgth.	4"					
Layer Insul.	1000V	1000V				
Test Volt.	7500					
Wrapper	30007V			300056A		

TUBE 10007+1007VC IMPREGNATION VARNISH

CORE 1/4 x 4 GA. 24 GRADE 0 STACK

MOUNTING u. - vertical brackets - cadmium - black

sect to bobble stop
pri to legs.



DESIGNED BY *Gulauer*

DATE 9/23/37

Ep-240V

similar to 1506-240V (flame)

E3-630VOT(over)-40mv

Ep 5V, ramp

Ep 6.3V 1.7amp 455

SPEC. NO.

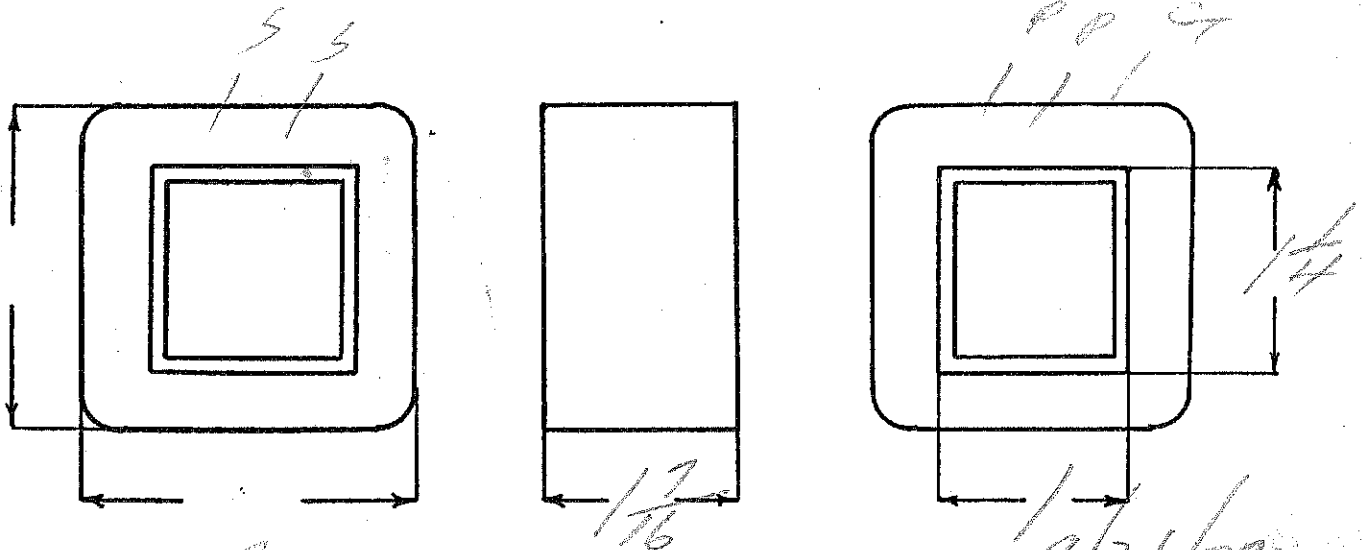
3542-240

Winding	SEC	SHKLD	DR1	F1	F2		
Turns	2860	93	1090	26	32		
Taps	1430						
Wind. Lgth.	1.25	✓	✓	✓	✓		
Wire Size	#36	#29	#29	#20	#21		
T. P. L.	205-14		93-12				
Finish							
Type Lead	#20 Braid		#20 Braid	WIRE ONLY			
Lead Lgth.							
Layer Insul.	double 20#		double 20#				
Test Volt.							
Wrapper	1007VC	1007VC	2005GA	2005GA	2005GA	Double	

TUBE	7607	IMPREGNATION	Varnish
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CORE	1x1/4	GA.	24	GRADE	D	STACK
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MOUNTING SA-long bolts



DESIGNED BY *Weaver*

DATE *9/21/37*

Ep-240

Ep-5V - same similar to 3256 - 240V
(Weaver)

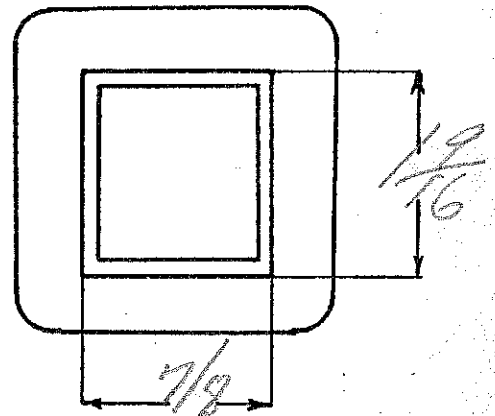
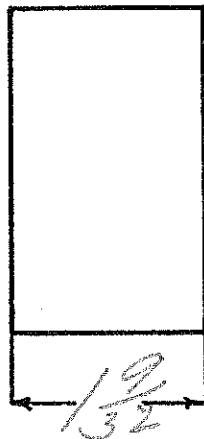
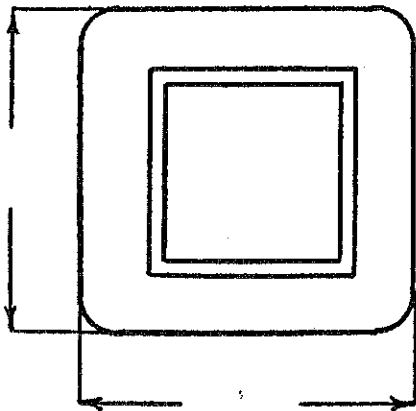
Es - 635V - 40mA Ep - 6.3V 1.7 amp

40

SPEC. NO.

3543-240

Winding	SEC SHIELD	PR1	F1	F2		
Turns	2560	87	955	23	28	
Taps	1280					
Wind. Lgth.	1 1/16	1 1/16	1 1/16			
Wire Size	#37	#30	#30	#21	#21	
T. P. L.	185-14		87-11			
Finish	#28 P132		#20 P132	WIRE ONLY		
Type Lead	9"	3"	9"	9"	9"	
Lead Lgth.						
Layer Insul.	double 16#		40#			
Test Volt.						
Wrapper	1000WC	1000WC	2005GA	2005GA	2005GA	Double Kynar
TUBE	52007		IMPREGNATION			
CORE	7/8 x 1 9/16	GA. 24	GRADE		STACK	
MOUNTING	SA - Long bolts					



DESIGNED BY

Weaver

DATE

9/21/37

Ep - 110-120
 EF1 - 6.3V - 1amp CT
 EF2 - 7.5V - 1.75 amp CT
 EF3 - 7.5V - 3 amp CT

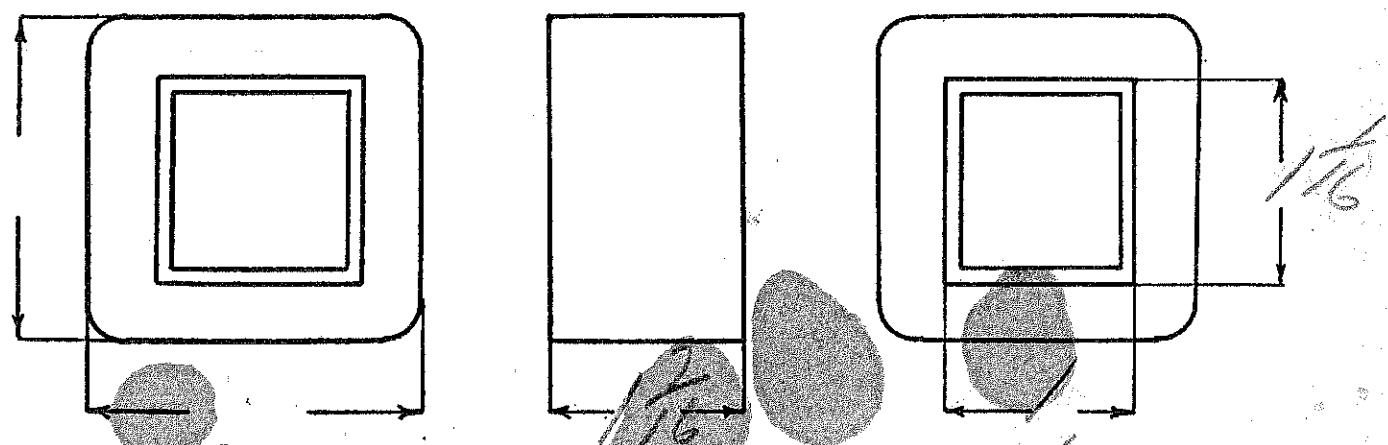
SPEC. NO. 3544

Winding	PRI	F1	F2	F3			
Turns	645	38	45	45			
Taps	593	19	23	23			
Wind. Lgth.	1.75						
Wire Size	#26	#23	#20	#18			
T. P. L.	66-10		4L				
Finish							
Type Lead	#20 per	WIRE ONLY					
Lead Lgth.	9"	✓	✓	✓			
Layer Insul.	40#						
Test Volt.	12.50						
Wrapper	2L005GA			2L005GA			

TUBE 6L007 IMPREGNATION VARNISH

CORE 1x1/16 GA. 24 GRADE 2 STACK 2x2

MOUNTING A



DESIGNED BY JW

DATE 1/20/37

Ep-115
 E3-700VCT 50MA
 EF1-5V-2amp

EF2-2.5VCT 5A
 EF3-6.3VCT 3amp.

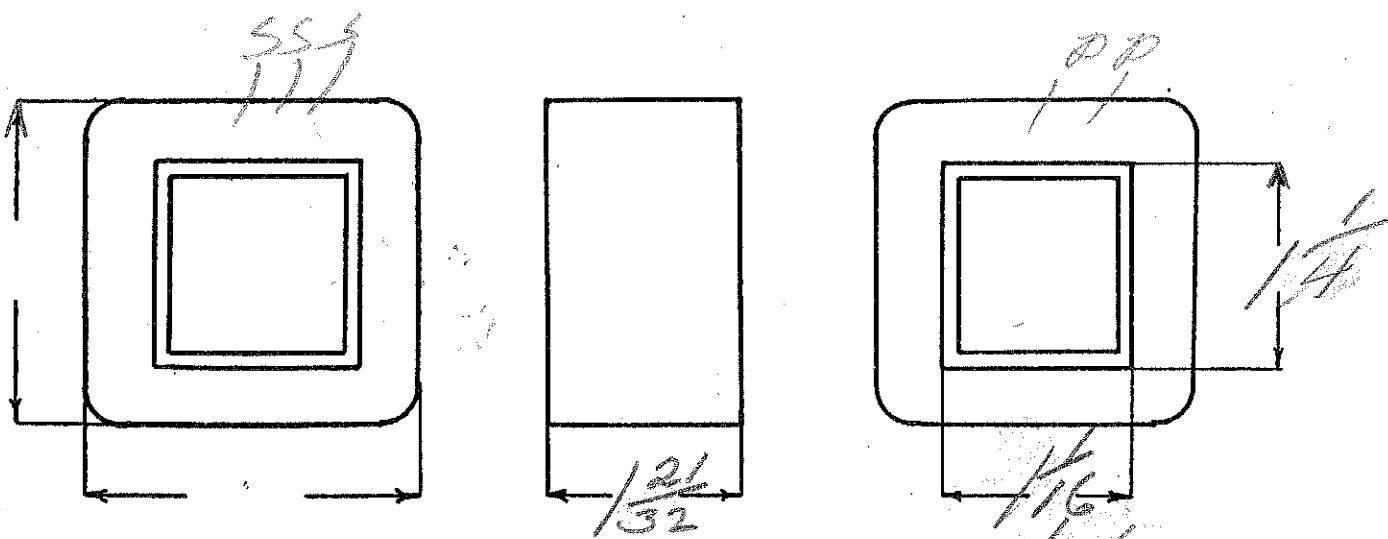
SPEC. NO. 3545

Winding	SEC	SHIELD	PRI	F ₁	F ₂	F ₃
Turns	3250	62	495	24	12	30
Taps	1625	—	—	—	6	15
Wind. Lgth.	1 1/32	—	—	—	—	—
Wire Size	#35	#24	#24	#20	#18	#18
T. P. L.	210-16		62-8			
Finish						
Type Lead	#20 P.B.		#20 P.B.	WIRE ONLY		
Lead Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#		50#			
Test Volt.						
Wrapper	100071C	110071C	210056A	210056A	210056A	210056A

TUBE 6L007 IMPREGNATION

CORE 1/16 x 1/16 GA. 24 GRADE 0 STACK 2x2

MOUNTING A



DESIGNED BY *gwo*

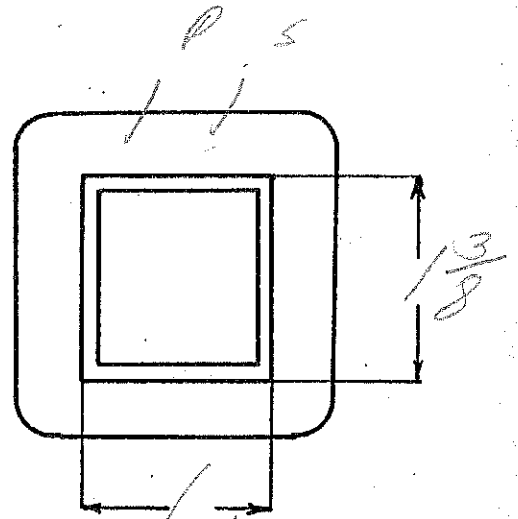
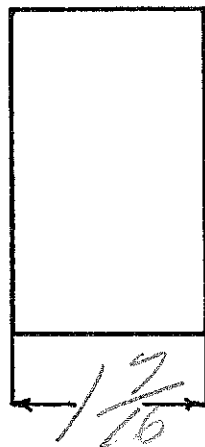
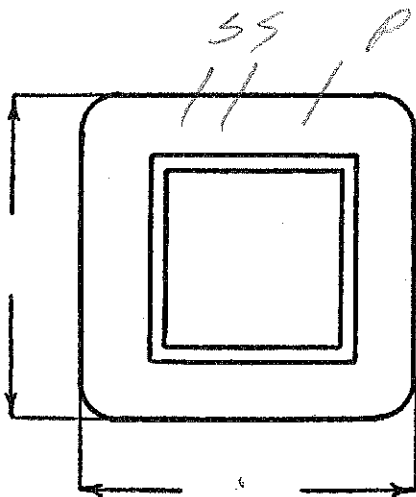
DATE 9/18/37

Ep - 240V
 Es - 660V - 45ma
 Ef - 5V ramp
 Ef 6.3V - ramp

427

SPEC. NO. 3546-240

Winding	SEC	SHIELD	PR1	F1	F2		
Turns	2820	93	1025	24	30		
Taps	1410						
Wind. Lgth.	125	✓	✓	✓	✓		
Wire Size	#36	#29	#29	#20	#20		
T. P. L.	202-14		93-11				
Finish							
Type Lead	#20 P.P.		#20 P.P.	WIRE	ONLY		
Lead Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 20#		double 20#				
Test Volt.							
Wrapper	100%K	100%K	200%SA	200%SA	200%SA	Double	
TUBE	7007		IMPREGNATION			Varnish	
CORE	1x1 3/8	GA.	24	GRADE	W	STACK	2x2
MOUNTING	5A - Long Bolt						



DESIGNED BY *[Signature]*

DATE 9/24/37

EP-120
 ES-24V-50watt

14,700

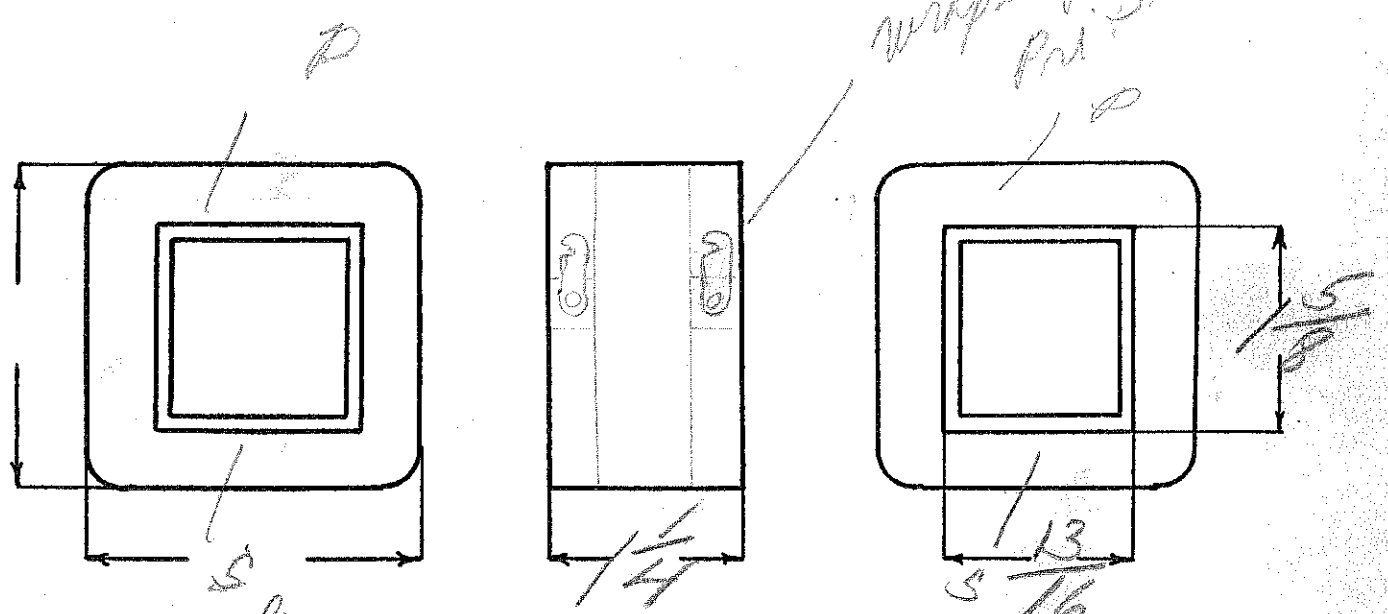
SPEC. NO. 3547
 CRP

Winding	P	S				
Turns	450	99				
Taps						
Wind. Lgth.	1 1/16					
Wire Size	#26	#20				
T. P. L.	54-9	28-4				
Finish						
Type Lead	WIRE ONLY - thread thru					
Lead Lgth.	4"	4"				
Layer Insul.	40# .007K					
Test Volt.						
Wrapper	210056A	210056A				

TUBE 71007 IMPREGNATION Varnish

CORE GA. GRADE STACK

MOUNTING



DESIGNED BY gw

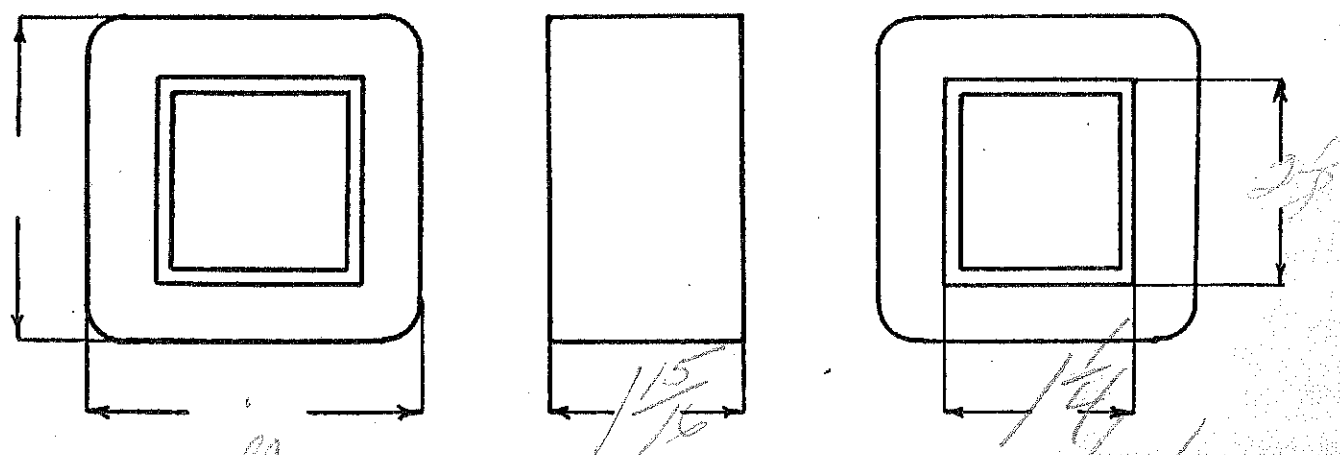
DATE 9/30/39

Ep-110-120

E3-760VCT-160ma 2.33

E4-5V 2amp E5-6.3VCT-3.5amp SPEC. NO. 3548

Winding	SEC SHIELD	PR1	F1	F2		
Turns	1840	280	13	16		
Taps	920	258		8		
Wind. Lgth.	1.75					
Wire Size	#29	#20	#18	#16		
T. P. L.	132-14	6L				
Finish						
Type Lead	#20 DB	#20 DB	WIPE	ONCE		
Lead Lgth.	9" 3"	9"	9"	9"		
Layer Insul.	double 20th					
Test Volt.						
Wrapper	1600V 30MR					
TUBE	96007	IMPREGNATION		VARNISH		
CORE	1/4 x 7/16	GA. 24	GRADE	STACK 2x2		
MOUNTING	A					



DESIGNED BY gw

DATE 9/23/37

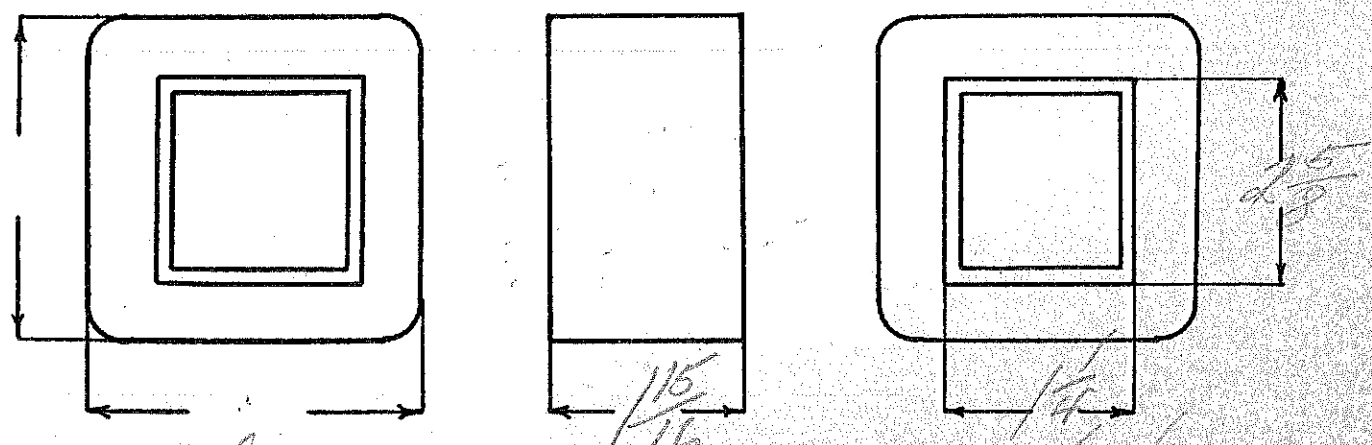
P-110-120
 S-790VCT-210 ma
 F-5V-4amp
 E-63V-C.T.-55amp

204

SPEC. NO. 3549

Winding	SEC	SHIELD	PR1	F ₁	F ₂		
Turns	1750	129	246	14	2	11	
Taps	875		227	7	8		
Wind. Lgth.	1.75	✓	✓	✓	✓		
Wire Size	#29	#29	#19	#16	#15		
T. P. L.	129-14						
Finish							
Type Lead	#29		W.O.		WIRE ONLY		
Lead Lgth.	9 1/2"	3"	9"	9"	9"		
Layer Insul.	lowe 30#						
Test Volt.							
Wrapper	210076C	210076A	210076A		210076A		

TUBE	9607	IMPREGNATION	VARNISH
CORE	1/4 x 2 5/8 GA. 24	GRADE	Dynamic
MOUNTING	A		



DESIGNED BY *GW*

DATE 9/23/37

Ep - 90-100-110-120

Eg - 500 and 550V each side CT 250 ma

Ef1 - 6.3V-6 amp Ef2 - 5V-3 amp 2.3

SPEC. NO. 3550

Winding	SEC	SHIELD	PR1	500V F1	green F2		
Turns	2800 2650	150	276 254	16	13		
Taps	1400 120		230 207	8			
Wind. Lgth.	2 1/4		0 white				
Wire Size	#28	#28	#19	double 17	#17		
T. P. L.	150						
Finish							
Type Lead	#20 AWG	W.O.	WIRE ONLY				
Lead Lgth.	9"	3"	9"	9"			
Layer Insul.	double 30#		100K				
Test Volt.							
Wrapper	21007VC	1007VC	31005A		31005A		Double
TUBE	91007			IMPREGNATION			Wax

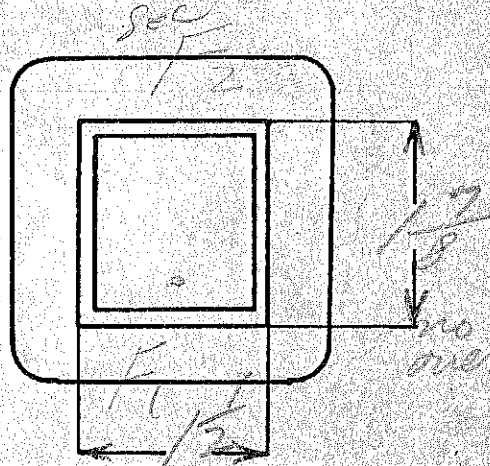
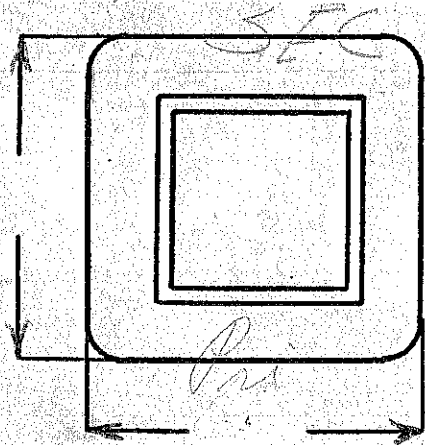
CORE	1 1/2 x 1 1/8	GA.		GRADE		STACK	
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MOUNTING A

double paper
over under ops

550V - Red
500V - White
CT - Blue

two holes pri
one hole sec
D25 power supply



DESIGNED BY *Shelmer*

DATE 9/27/37

Ep. 120

ES 8-16-24V-100 watts

42

SPEC. NO. 3551

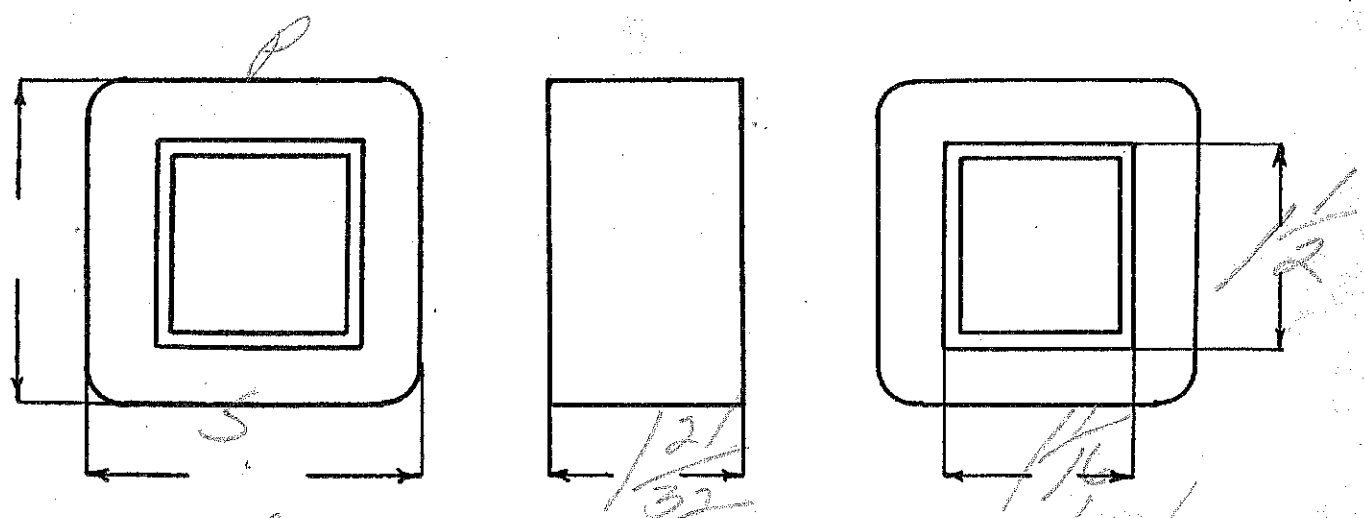
Winding	PRI	SEC				
Turns	500	110				
Taps		37-74				
Wind. Lgth.	1 15/32					
Wire Size	#22	#17				
T. P. L.	50-10	28-4				
Finish	WIRE ONLY					
Type Lead	#14 meter cable					
Lead Lgth.	12"	6"				
Layer Insul.	504	1007				
Test Volt.						
Wrapper	210058A					

TUBE	74007	IMPREGNATION	VARNISH
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CORE	1 1/16 x 1 1/2 GA. 24	GRADE	Q	STACK	2x2
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MOUNTING 5 - regular chime nuts - stamp case

wrap in panel -



DESIGNED BY *gw*

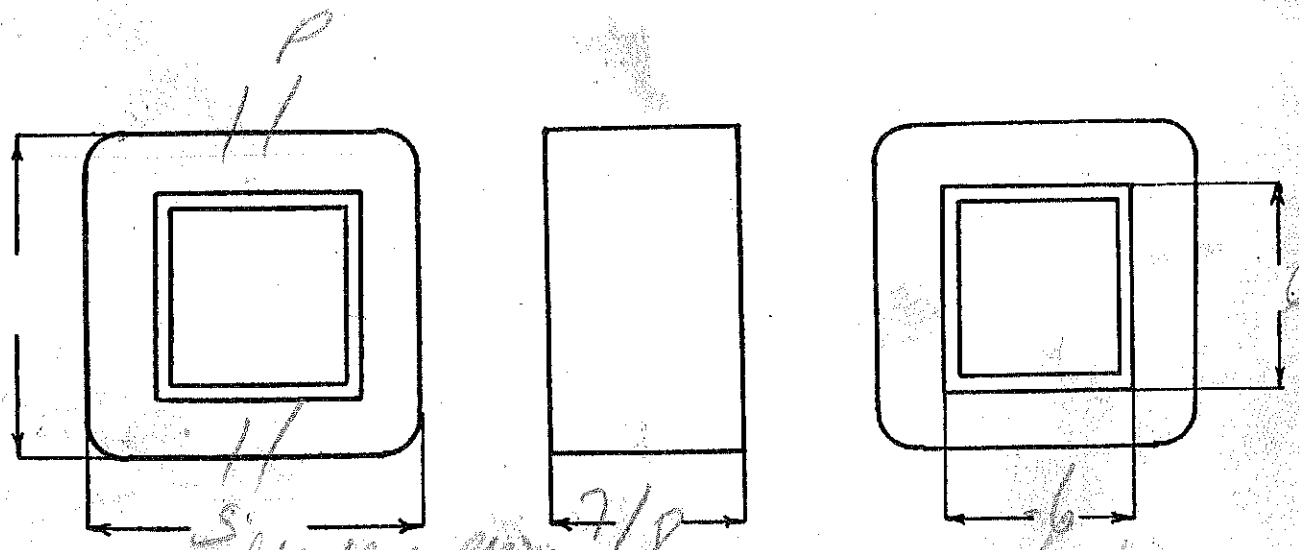
DATE 9/29/37

6.3V. 6.3V .6 amp

14

SPEC. NO. 3552

Winding	P	S				
Turns	87	98				
Taps		49				
Wind. Lgth.	3/4					
Wire Size	#23	#23				
T. P. L.	28-3	28-4				
Finish						
Type Lead	WIRE ONLY					
Lead Lgth.	3"	3"				
Layer Insul.	50#					
Test Volt.						
Wrapper	2005GA	2005GA				
TUBE	5707		IMBREGNATION		VARNISH	
CORE	57	GA. 24	GRADE		STACK 2x2	
MOUNTING	D					

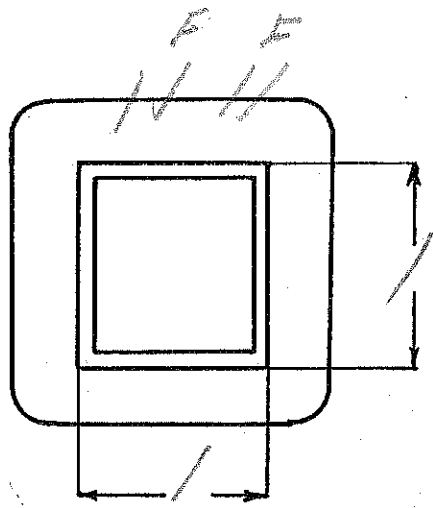
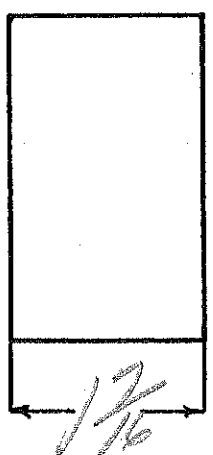
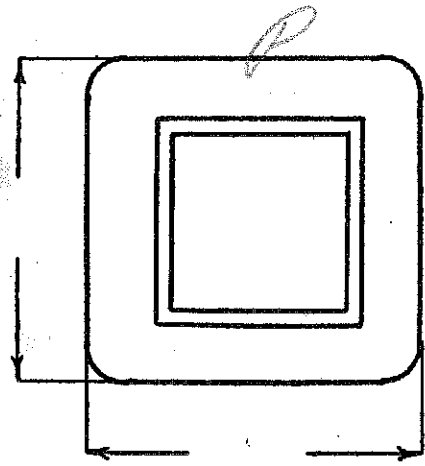


DESIGNED BY *[Signature]*

DATE 9/30/37

Ep - 115
 Es - 6V-3 amp
 Es - 32V-1 amp
 only one winding on each tube
 55
 SPEC. NO. 3553

Winding	PR1	F1	F2				
Turns	632	192	37				
Taps							
Wind. Lgth.	1'25						
Wire Size	#27	#23	#18				
T. P. L.	74-9	48-4	20				
Finish							
Type Lead	#20 DM	WIRE ONLY					
Lead Lgth.	911	✓	✓				
Layer Insul.		005	005				
Test Volt.		1250					
Wrapper	JWASGA	JWASGA	JWASGA				
TUBE	5L07		IMPREGNATION		VARNISH		
CORE	1X1	GA. 24	GRADE 00		STACK 2X2		
MOUNTING	A						



DESIGNED BY *gwr*

DATE 9/27/37

Auto-Transformer

0-50-55-60-65-70-75-80-85-90-95-100
 105-110-115 - 30amps

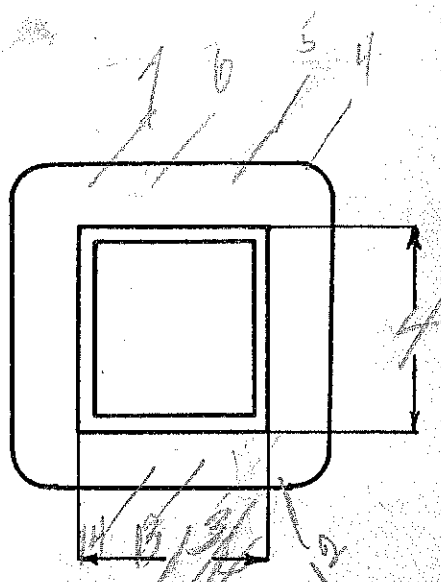
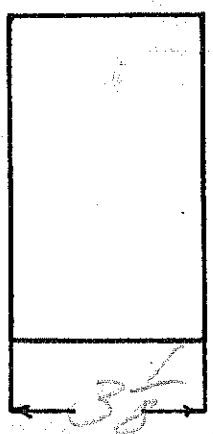
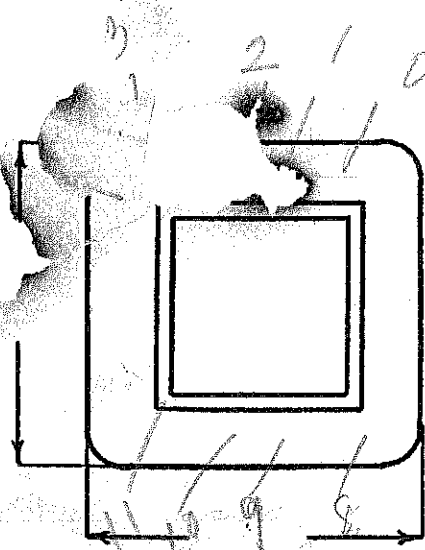
SPEC. NO. 3554

Winding	Continuous						
Turns	52	25	25	13			
Taps		20-15 10-5	20-15 10-5	9-4			
Wind. Lgth.	2 1/2						
Wire Size	#10	#9	#8	double 10			
T. P. L.	24L	13L	15L	12L			
Finish							
Type Lead		WIRE ONLY					
Lead Lgth.	13"	L	L	L			
Layer Insul.	.007 KRAFT						
Test Volt.							
Wrapper				320050A			

TUBE 92007 IMPREGNATION VARNISH

CORE 1 3/4 x 4 GA. 24 GRADE 2 STACK

MOUNTING B-



DESIGNED BY *[Signature]*

DATE 7/27/37

FILAMENT TRANSFORMER

ROSE ELECTRO-THERAPY MFG. COMPANY

115V @ 60 Cycles

to

21V CT @ 2 Amp.

SPEC. NO. 3555

Winding	PRIMARY	SECONDARY				
Turns	660	136				
Taps	-	68				
Wind. Lgth.	1-1/4"	1-1/4"				
Wire Size	#27	#20				
T. P. L.	74 - 9L	34 - 4L				
Finish Pitch	90%	91%				
Type Lead	W. O.	W. O.				
Lead Lgth.	3"	3"				
Layer Insul.	1L 40#G	1L 50#G				
Test Volt.	1500V	1500V				
Wrapper	1L .007 VG 2L - 50#G	3L .005" GA				

NOTE: All Multiple-Wound

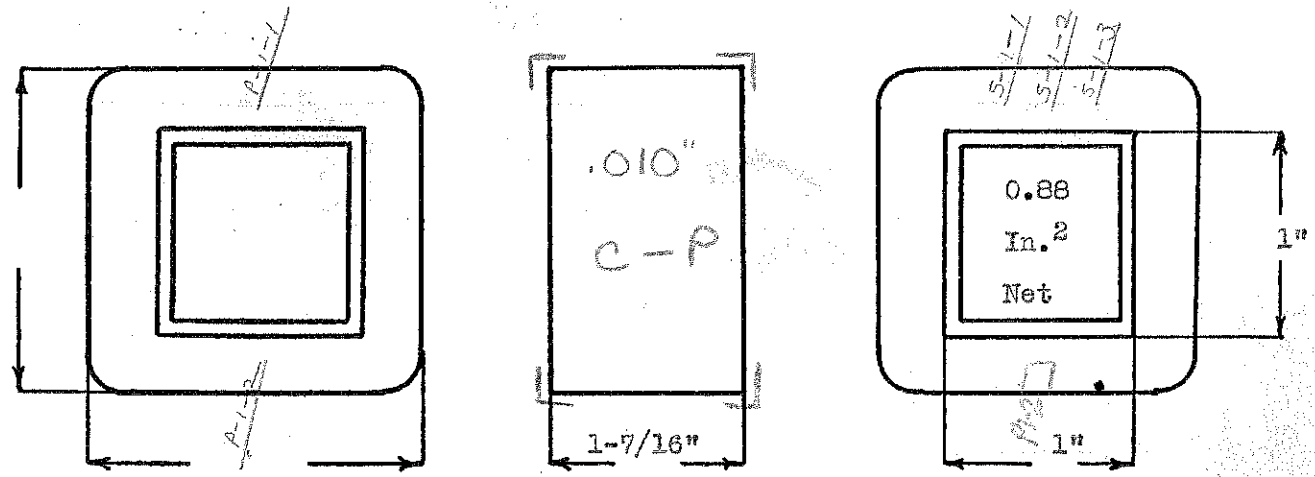
TUBE	6L - .007" GK	IMPREGNATION	VARNISH
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CORE 1" x 1"	GA. 24	GRADE D	STACK 2 x 2
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MOUNTING "BB" - Alum. Painted Cadmium Brackets (Lugs)

Cu = 410 - 510
 Fe = 74.2 @ 60 Cycle
 TPV = 5.74
 Wire Net = 0.360" (0.316")

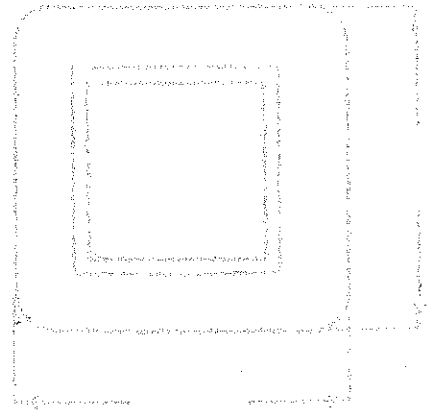
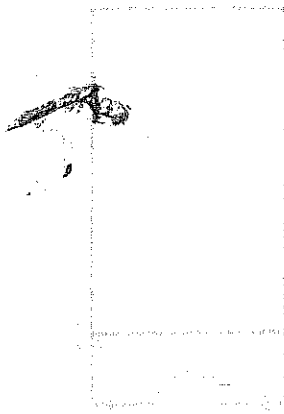
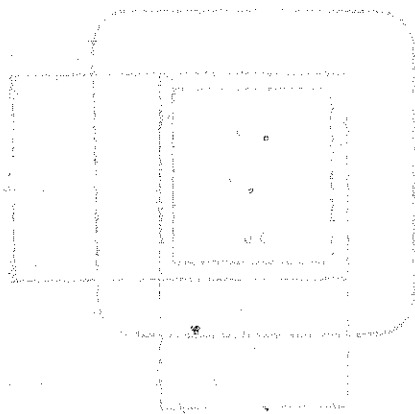
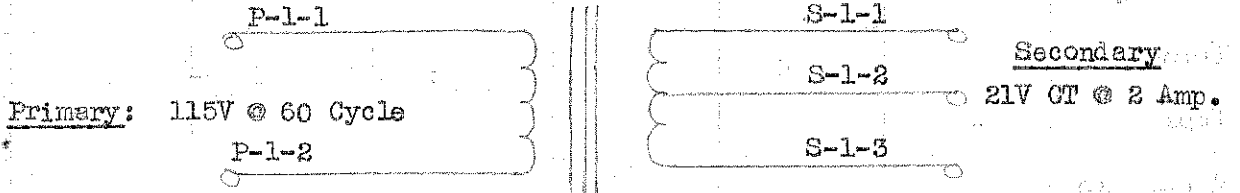
Sec. VA = 42
 Pri. VA = 56.2
 Pri. I = 490 Ma.
 Efficiency = 83%
 COS θ = 90%



DESIGNED BY GW

DATE 9-27-37
 (Copied, 10-18-44, me)

3555



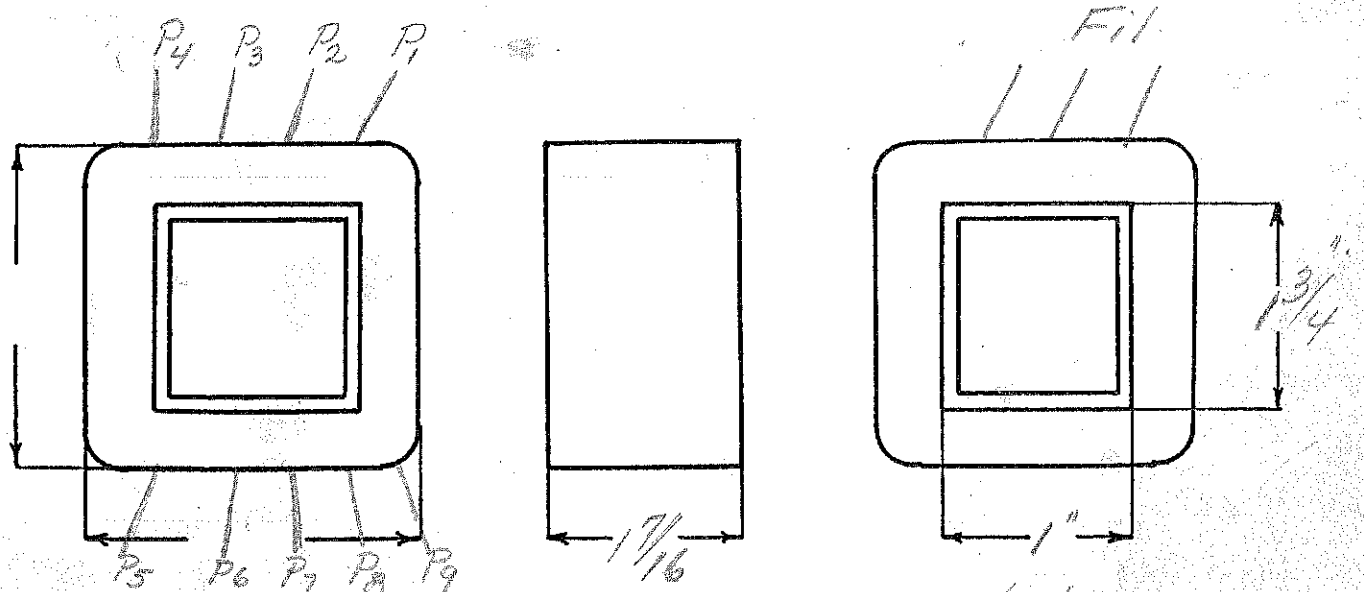
Pri 110-115-120-125-220-230-240-250

see 21VCT @ 2A

continuous

N/E = 3.28 SPEC. NO. 3555-Universal

Winding	Pri	Pri	Sec			
Turns	410 394	410 368	78			
Taps	377 360	345 306	39			
Wind. Lgth.						
Wire Size	#27	#30	#20			
T. P. L.	74-8	102-6	33-3			
Finish						
Type Lead	W.O.	S.I.B.	W.O.			
Lead Lgth.	3"	3"	3"			
Layer Insul.	40*	30*	.007"			
Test Volt.	— 1250 —					
Wrapper	—	3L.005GA	3L.005GA			
TUBE	7L.007 K		IMPREGNATION	Varnish		
CORE	1 x 1/4	GA. 24	GRADE D	STACK 2 x 2		
MOUNTING	BB. Alum. Point Cad. Brackets					



DESIGNED BY DLJ
J.T.S.

DATE 3/28/40

$E_p - 220-230V$

$E_s - 21 V. CT. 2a$

50V

Prose

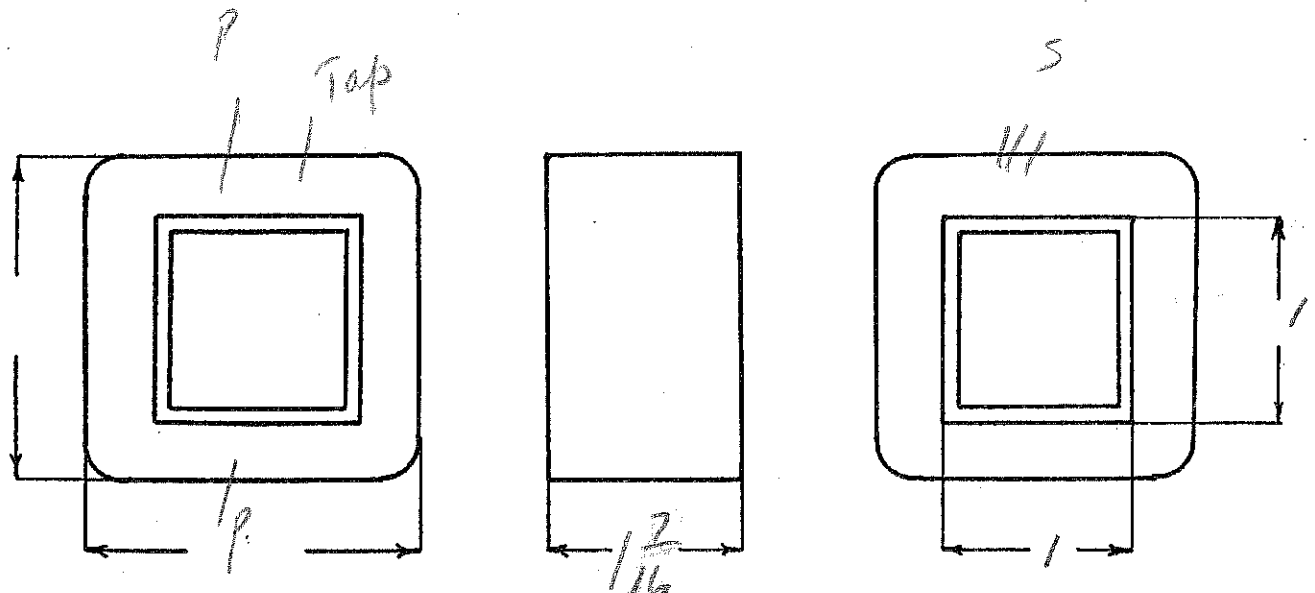
SPEC. NO. 3555-220/230

Winding	Pri	Sec				
Turns	1320	136				
Taps	1255	68				
Wind. Lgth.	1 1/4	-				
Wire Size	#30	#20				
T. P. L.	104-13					
Finish	W. O.					
Type Lead						
Lead Lgth.	3"	3"				
Layer Insul.	40#					
Test Volt.						
Wrapper	3L 0056A	3L 0056A				

TUBE 6L 007 IMPREGNATION DOUBLE VAR.

CORE 1 x 1 GA. 24 GRADE STACK

MOUNTING BB - alum paint and brackets



DESIGNED BY JHN

Form 3555/230

DATE 1/27/39

Ep-240

Es-240-50 watt

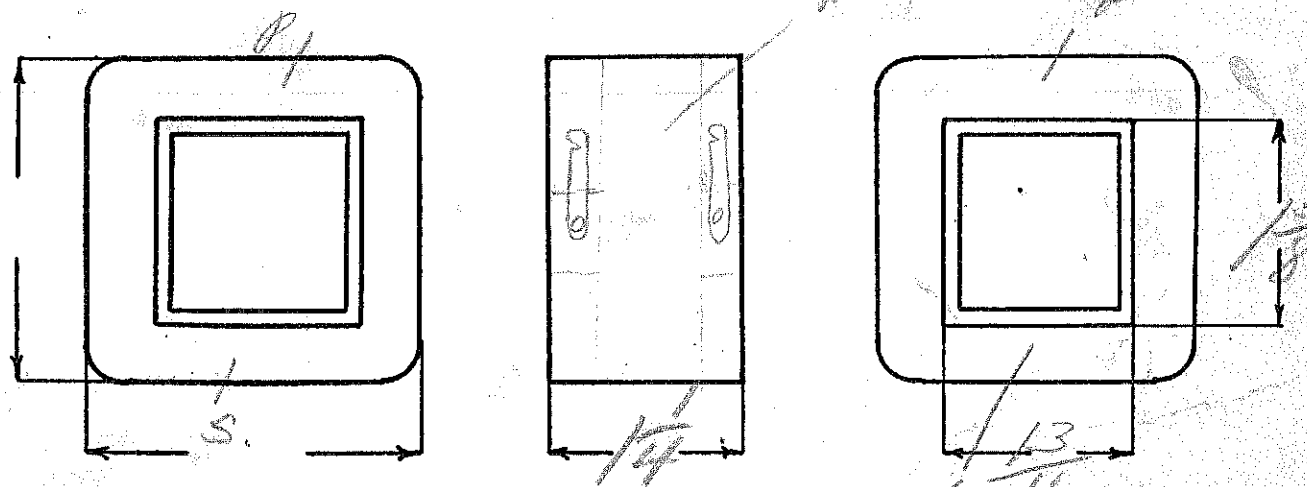
Gen. Control #101546

SPEC. NO. 3557 Coil

Winding	P	S				
Turns	900	99				
Taps	—	—				
Wind. Lgth.	1 1/16					
Wire Size	#29	#20				
T. P. L.	76-12	28-4				
Finish	WIRE ONLY - thread thru legs					
Type Lead						
Lead Lgth.	4"	4"				
Layer Insul.	40#	.007K				
Test Volt.						
Wrapper	20055A	200055A				Double
TUBE	96027		IMPREGNATION		Varnish	

CORE _____ GA. _____ GRADE _____ STACK _____

MOUNTING



DESIGNED BY

grw

DATE

5 16
9/30/37

Ep-120

Gen. Control Panel 12410

E5 - 8-16-24V - 25 watt

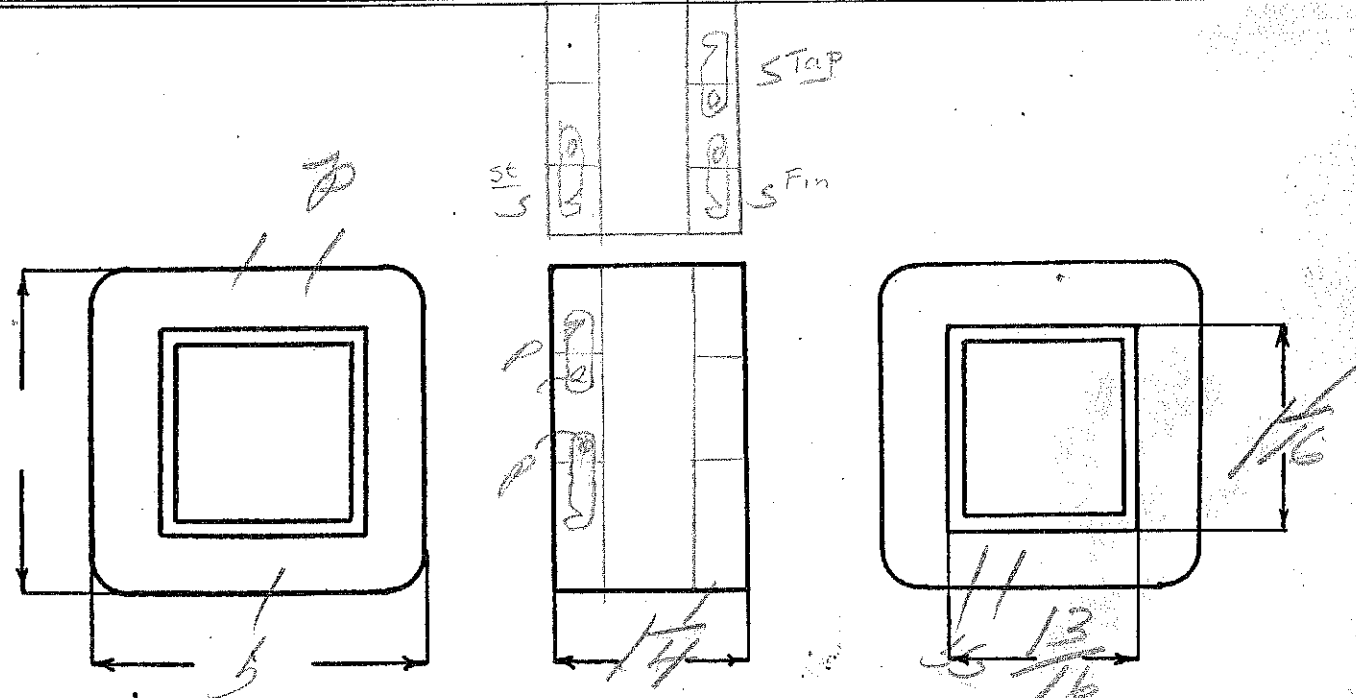
SPEC. NO. 355801

Winding	P	S				
Turns	715	157				
Taps		105	14			
Wind. Lgth.	1 1/16	✓				
Wire Size	#28	#22				
T. P. L.	70-12	36				
Finish	WIRE ONLY - thread thru by					
Type Lead	-					
Lead Lgth.	4"	4"				
Layer Insul.	40#	50#				
Test Volt.						
Wrapper	21005A	21005A				

TUBE	74007	IMPREGNATION	VARNISH
------	-------	--------------	---------

CORE	GA.	GRADE	STACK
------	-----	-------	-------

MOUNTING



DESIGNED BY *SW*

DATE 9/29

auto transformer - 15 amp capacity
 95-100-105-110-115-120-125-130

Continuous

N_e-2.0

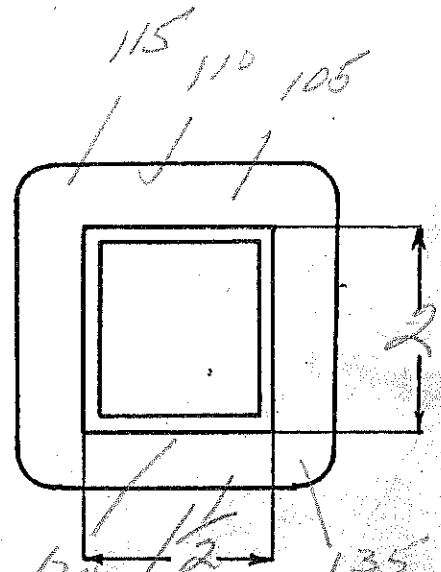
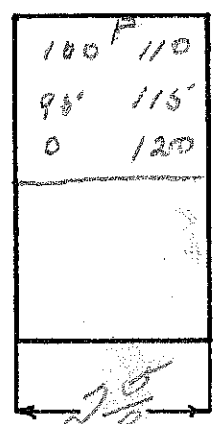
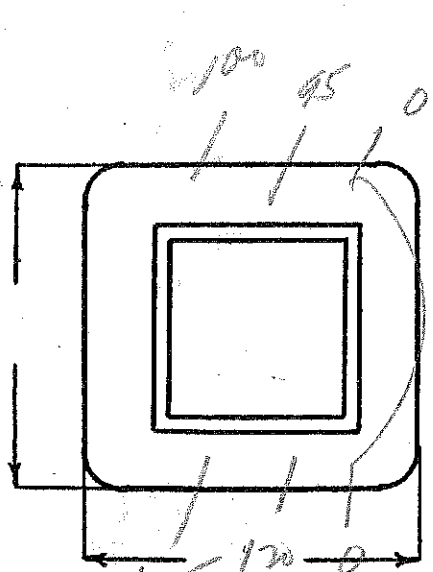
SPEC. NO. 3559

Winding	P						
Turns	194	82					
Taps			10-20-27-36-48-60-72				
Wind. Lgth.	23/8						
Wire Size	#17	#11					
T. P. L.							
Finish	WIRE ONLY						
Type Lead							
Lead Lgth.	4"	4"					
Layer Insul.	007K						
Test Volt.							
Wrapper		3L0056A					

TUBE	9L007	IMPREGNATION	VARNISH
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CORE	1/2 x 2	GA.	GRADE	STACK
------	---------	-----	-------	-------

MOUNTING F



DESIGNED BY *[Signature]*

DATE 10/5

Ep - 120V-25w

RICHARDS

Es - 280V-22ma

Ef - 5V-2amp (separate coils)

SPEC. NO. 3560-25w

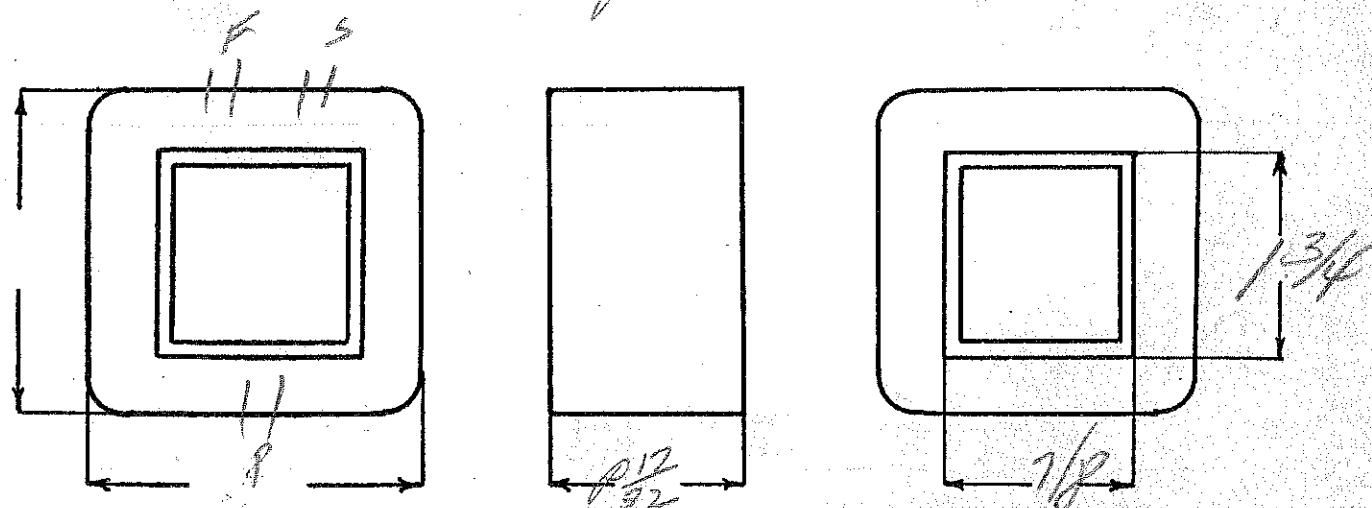
Winding	PR1		SEC	FIL			
Turns	760	}	2100	37			
Taps	—		—	—			
Wind. Lgth.	5/16		3/8				
Wire Size	#31		#37	#21			
T. P. L.	28		69	13			
Finish							
Type Lead	Sil Br		Sil Br	W.O.			
Lead Lgth.	3"		3"	3"			
Layer Insul.	30#		30#	005			
Test Volt.	—		—	—			
Wrapper	21005GA	21005GA	21005GA				

TUBE	7607	IMPREGNATION	VARNISH
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CORE	78	GA.	24	GRADE	D	STACK	2x2
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MOUNTING D - reverse position of legs

Wrap in panel for pri + sec
stack coils side by side with two regular "D" panels
as spacers between coils



DESIGNED BY GW

DATE 1/26/38

Ep-230V

RICHARDS

Es-280V-22ms

EF-SV 2amp

(separate coils)

SPEC. NO. 3560-230V

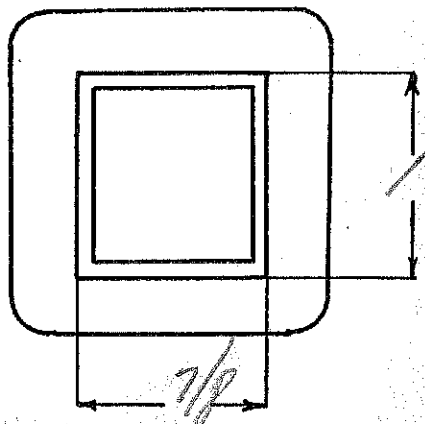
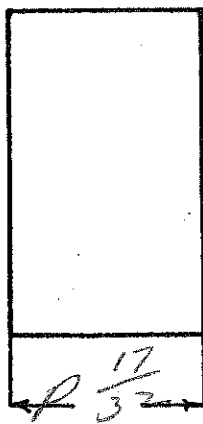
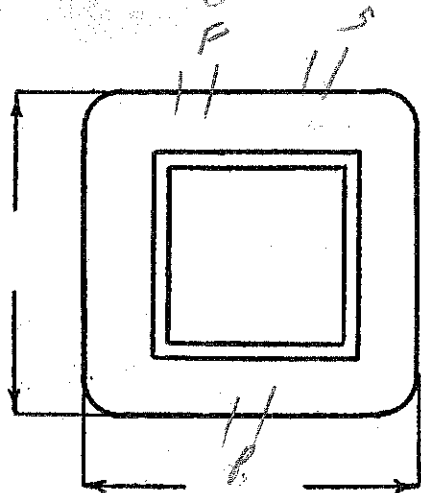
Winding	PRI	SEC	FIL		
Turns	1550	2100	37		
Taps					
Wind. Lgth.	5/16	3/8			
Wire Size	#34	#37	#21		
T. P. L.	41.38	69	113		
Finish					
Type Lead	Sil Br	Sil Br	W.O.		
Lead Lgth.	3"	3"	3"		
Layer Insul.	30#	30#	.005		
Test Volt.					
Wrapper	21005GA	21005GA	21005GA		Double

TUBE	71007	IMPREGNATION	Varnish
------	-------	--------------	---------

CORE	7/8	GA.	24	GRADE	D	STACK	2x2
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MOUNTING D - reverse position of legs

wrap in panel for Pri & sec. Stack coils side by side with two regular "D" panels as spacers between coils



DESIGNED BY CW

S 9/16

DATE 1/28/38

p-120
 FS-280V-22Ma
 EF-5V-2amp

separate coils
 655

RICHARDS
 SPEC. NO. 3560

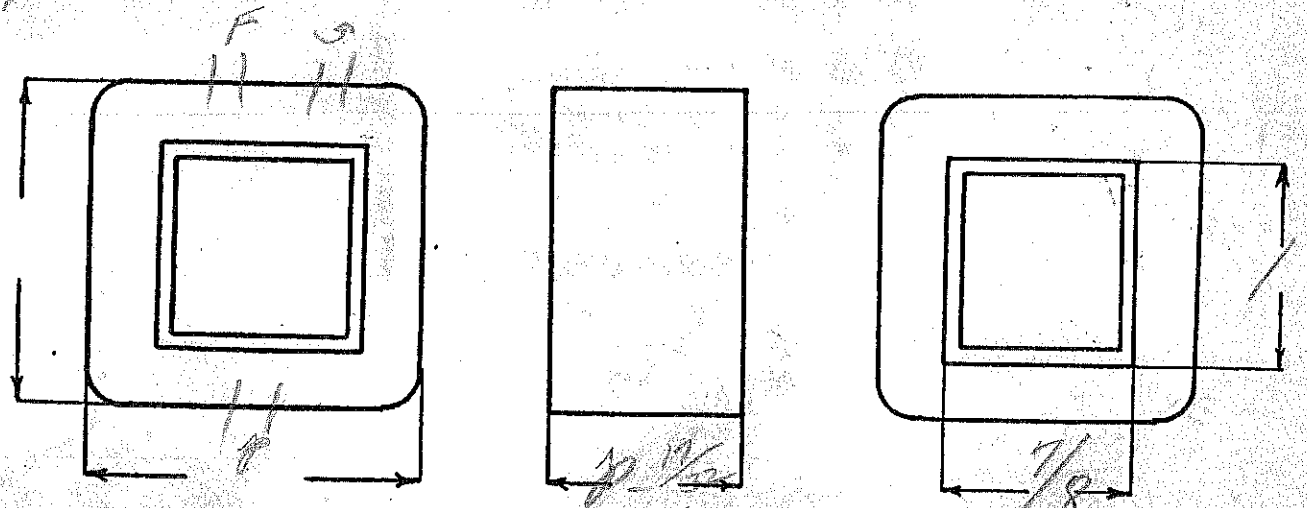
Winding	PRI	SEC	FIL		
Turns	785	2100	37		
Taps					
Wind. Lgth.	5/16	3/8			
Wire Size	#31	#37	#21		
T. P. L.	28-28	69-31	13-3		
Finish					
Type Lead	511 Br	511 br	WIRE ONLY		
Lead Lgth.	3"				
Layer Insul.	30#	30#	005		
Test Volt.					
Wrapper	21005GA	21005GA	21005GA		

TUBE 71007 IMPREGNATION VARNISH

CORE 7/8 GA. 24 GRADE D STACK 2x2

MOUNTING D - reverse position of legs

wrap in panel for pri. & sec.
 start coils side by side with regular 3" panels
 as spacers between coils.



DESIGNED BY *SW*

5-9/16

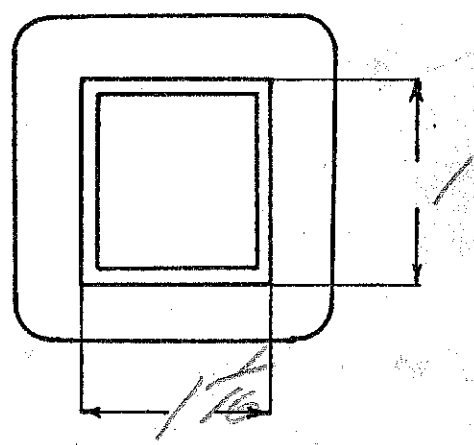
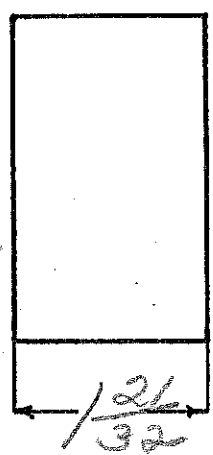
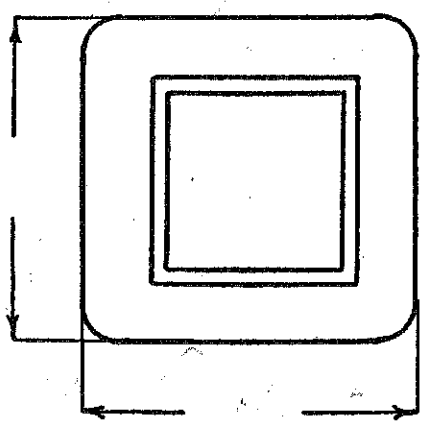
DATE 10/1/37

P 110-120V
 F₁ - 5V-6amp
 F₂ - 5V-6amp

5.3

SPEC. NO. 3561

Winding	PR1	F ₁	F ₂			
Turns	635	30	30			
Taps	583	-	-			
Wind. Lgth.	1 15/32					
Wire Size	#24	#14	#14			
T. P. L.	60-11	34				
Finish						
Type Lead	#24	WIRE ONLY				
Lead Lgth.	9"	9"	9"			
Layer Insul.	50#					
Test Volt.		2500V.				
Wrapper	3L0056A	3L0056A	3L0056A			
TUBE	7L007	IMPREGNATION		VARNISH		
CORE	1/16x1	GA.	GRADE	STACK		
MOUNTING	A					



DESIGNED BY *gwr*

DATE 10/5/37

6.3V - 6.3V - .3 amp

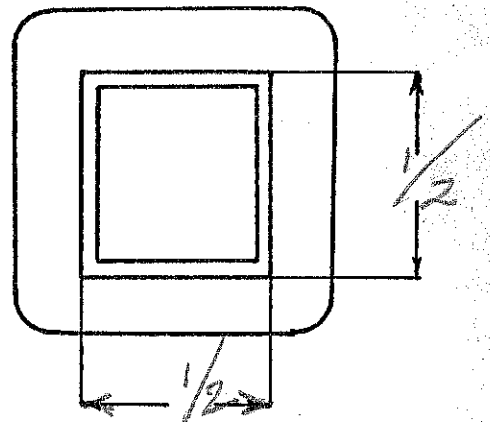
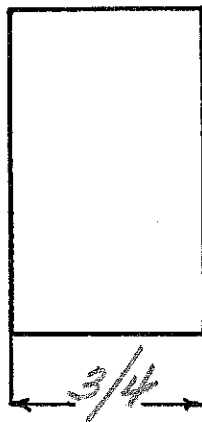
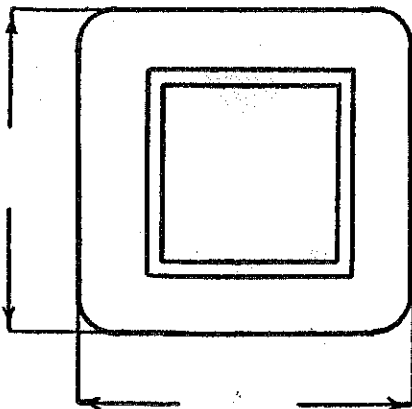
wind sec. first

225

SPEC. NO. 3562

Winding	P	S					
Turns	142	163					
Taps							
Wind. Lgth.	5/8	5/8					
Wire Size	#26	#26					
T. P. L.	33-5	33-5					
Finish							
Type Lead							
Lead Lgth.							
Layer Insul.	40#	40#					
Test Volt.							
Wrapper	1005VC	26005GA					
TUBE	5007		IMPREGNATION		VARNISH		
CORE	1/2 x 1/2 - 24 GA. 24 -		GRADE D		STACK		
MOUNTING	D						

mark pri + sec



DESIGNED BY *gwr*

DATE 10/4/37

ED. 120-137-153-168-192 (use 17 bulbs to test) E. J. ROSE
 Dist

ES. — — 1600V 300MA 132 SPEC. NO. 3563

Winding	SEC	PR1	Continuous			
Turns	2175	158	40	48		
Taps			19	27		
Wind. Lgth.	2 9/16					
Wire Size	#26	#13	#15	#18		
T. P. L.	136-16					
Finish			WIRE ONLY			
Type Lead	#20 Dura					
Lead Lgth.	9"		4"			
Layer Insul.	40		007KR			
Test Volt.	5M					
Wrapper	21007V		21005GA			
	2005R		12010RR			

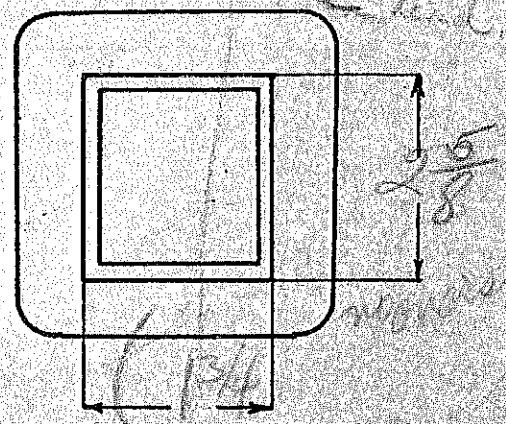
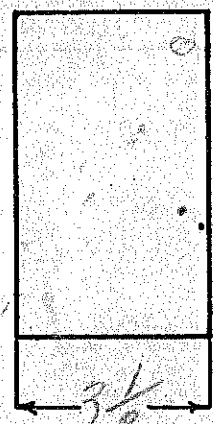
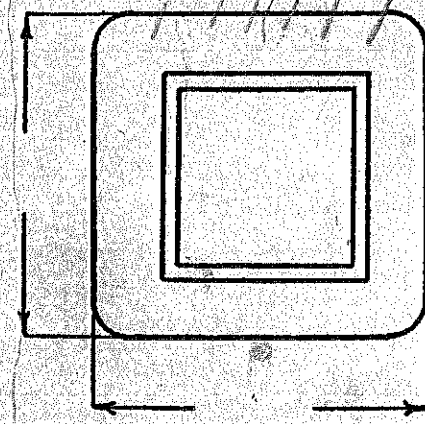
TUBE 21007+2007V IMPREGNATION VARNISH

CORE 1 3/4 X 2 1/4 GA. GRADE STACK

MOUNTING C- open type - spot metal brackets (see 2)

Start sec lead in coil
 Black laminations
 for to support coil
 sec start
 Rose coil

SEC 120
 Part 14
 2.1
 1.5
 1200



DESIGNED BY Weaver

DATE 1600 10/4/7

E₁ - 110
 E_{F1} - 6.3V - 1.5amps E₃ - 300VGT - 75MA
 E_{F2} - 6.3V - 4amps
 E_{F3} - 5V - 2amp

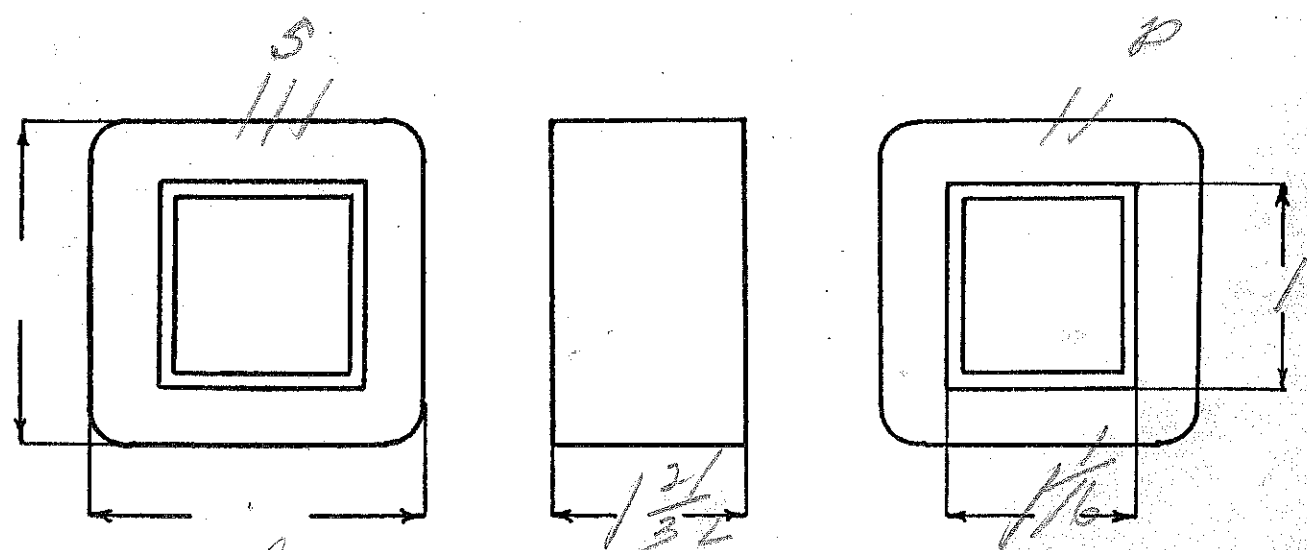
SPEC. NO. 3564

Winding	SEC	SHIELD	DR1	5.335 White F ₁	F ₂	F ₃	
Turns	1780	70	615	37	37	30	
Taps	890						
Wind. Lgth.	1 7/16		1 7/16				
Wire Size	#34	#25	#25	#21	#17	#20	
T. P. L.	180-10		70-9		3t		
Finish							
Type Lead	#20 0.02		#20 0.02		WIRE ONLY		
Lead Lgth.	9"						
Layer Insul.	double hot						
Test Volt.							
Wrapper	100% NC	100% SVC	100% GA			200% S.B.A	

TUBE 76007 IMPREGNATION VARNISH

CORE 1 1/16 x 1 GA. GRADE STACK

MOUNTING A



DESIGNED BY Glenn

DATE 10/1/67

Es-115V -
Es-1000V CT-80ma

Linquist no 7190

Ef-5V. 3amps

3.25

SPEC. NO. 3565

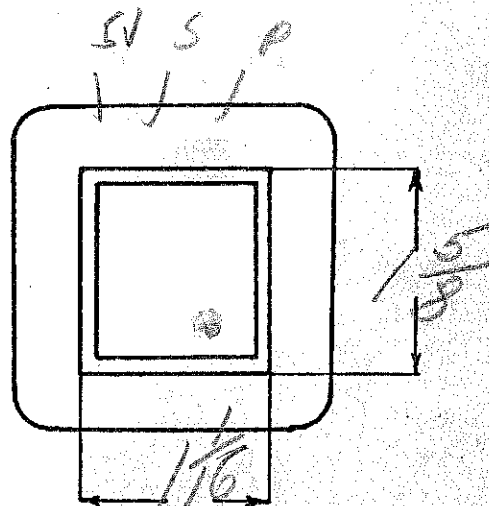
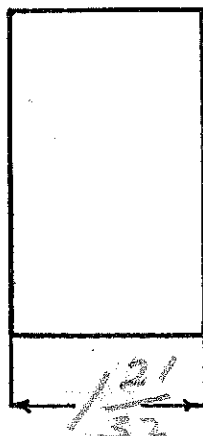
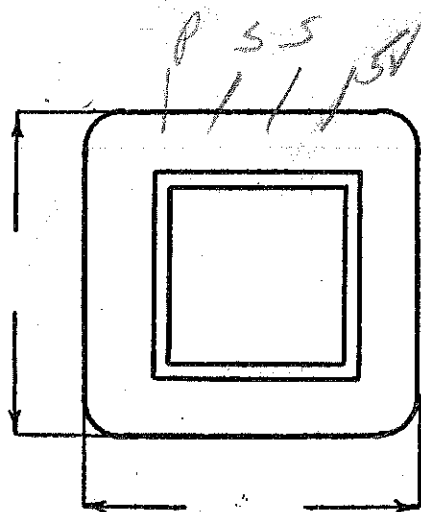
Winding	JEC	PRI	SEC			
Turns	3600	384	18			
Taps	1800	—	—			
Wind. Lgth.	1 7/16					
Wire Size	#33	#23	#18			
T. P. L.	165-22	56-7				
Finish	Sil Br	W.O.	W.O.			
Type Lead						
Lead Lgth.	3"	3"	3"			
Layer Insul.	20#	50#				
Test Volt.						
Wrapper	2L007K	3L005GA	3L005GA			

TUBE	71007F 16007VC	IMPREGNATION	VARNISH
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CORE	GA.	GRADE	STACK
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MOUNTING B

heavy finishing!



DESIGNED BY

[Signature]

DATE

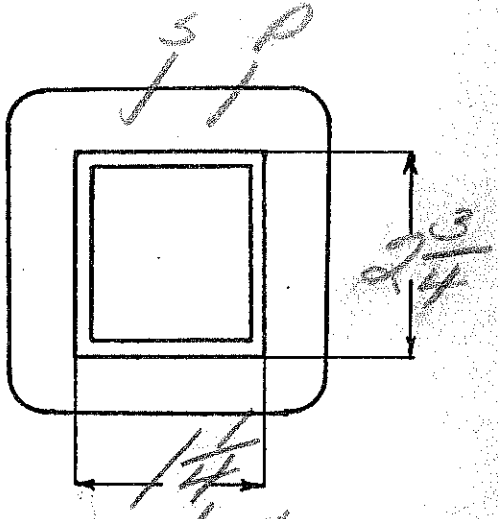
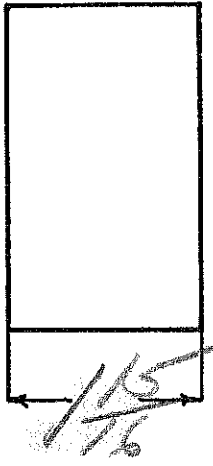
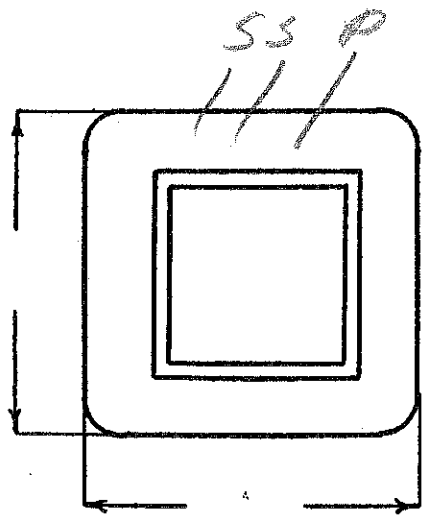
10/4/37

Ep - 105-120

Es - 1200V CT-250MA.

SPEC. NO. 3566

Winding	5 VC	P				
Turns	2300	210	Black			
Taps	1150	184	green			
Wind. Lgth.	1.75	✓	white			
Wire Size	#29	#19				
T. P. L.	129-18	42-5				
Finish	#20 Par B2	NO.				
Type Lead						
Lead Lgth.	9"	9"				
Layer Insul.	double 30 #	00715				
Test Volt.						
Wrapper	1007VC 21007GA	21007GA				Double Varnish
TUBE	71007+1007VC		IMPREGNATION			
CORE	1/4 x 2 3/4	GA.	GRADE		STACK	
MOUNTING	A					



DESIGNED BY *gww*

DATE *10/2/37*

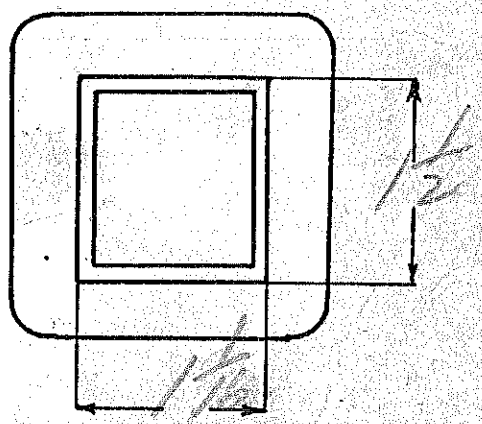
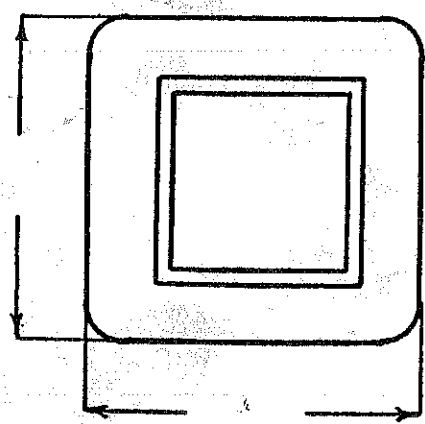
760

P-120V
 S-5000-3500-3000-2500-2250-1250-250
 15ma
 See #7372

412

SPEC. NO. 3567

Winding	Pvc	S				
Turns	508	21,500				
Taps		1080-5400-9700-10,800-13400				
Wind. Lgth.	7/8	1 3/16				
Wire Size	#23	#39				
T. P. L.	32-16	270-80				
Finish						
Type Lead	#23	Sil B				
Lead Lgth.	9 1/2					
Layer Insul.	50#	double 20#	- spiral print and lead			
Test Volt.			1 1/2 layers			
Wrapper	21007VC 21007EA	21007VC 21005EA				
TUBE	91007 + 21007VC		IMPREGNATION		Minnick	
CORE	1/16 x 1/2 GA.	24	GRADE		Stack	
MOUNTING	unused - double - adjust per 15					



DESIGNED BY

Geo

DATE

9/20/37

POWER TRANSFORMER

ROSE-ELECTRO-THERAPY MFG. COMPANY

120V/137V/153V/168V/192V @ 60 Cycle

to

1700V @ 300 Ma.

1.315

SPEC. NO.

3568

(Similar to #3334) #6927

Winding	SECONDARY	PRIMARY	(Continuous)	
Turns	2310	157½	40	48
Taps	-	-	19	27
Wind. Lgth.	2-9/16"	2-9/16"	2 9/16"	2 1/2"
Wire Size	#26	#13	#15	#18
T. P. L.	136 - 17L	32 - 5L	40 - 1L	48 - 1L
Pitch	90%	90%	88%	80%
Type Lead	#22 Dulac	W.O.	W.O.	W.O.
Lead Lgth.	12"	4"	4"	4"
Layer Insul.	2L 40#G	1L .007" GK	-	-
Test Volt.	5000V	1500V	-	-
Wrapper	3L 007 VC 2L 005 GA	2L .005" GA	-	-

VINYLITE COATING OVER SECONDARY LEAD WIRES TO ANCHORS

TUBE 9L - .007" GK / 2L - .007" VC IMPREGNATION DOUBLE VARNISH

CORE 1-3/4" x 2-3/4" GA. 24 GRADE D STACK 2 x 2

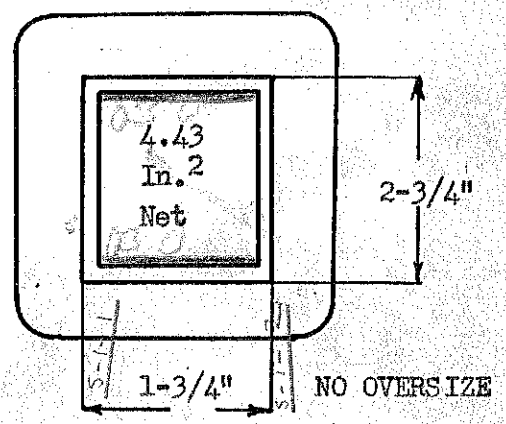
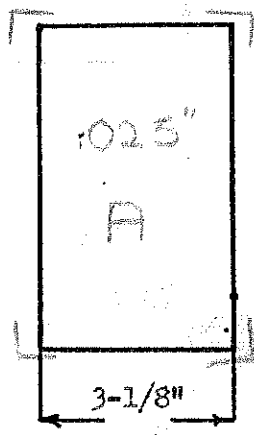
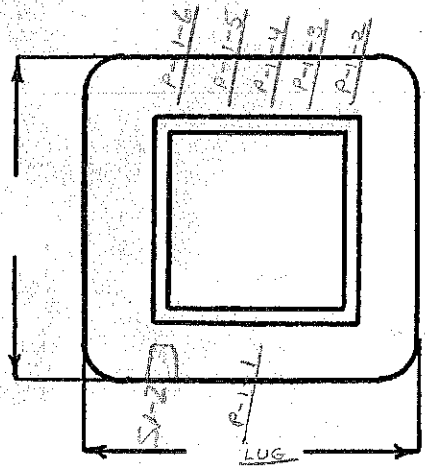
MOUNTING "C" - Closed (1 lug) Primary Leads to Bakelite Strip Inside of Shell Cover

SECONDARY LEAD IN COIL Black lamination and cadmium cover.

Cu = 847 - 910 - 652 - 800 - 400 - 456
 Fe = 671M @ 60 Cycle
 TPV = 1.32
 WN = 0.970" (0.875")

Sec. VA = 510
 Pri. VA = 683
 Pri. I = 5.70 Amp = 5.0 - 4.47 - 4.07
 Efficiency = 83% 3.56
 COS θ = 90%

WATCH SECONDARY LEAD POSITIONS



DESIGNED BY GW

DATE 9-26-37
 (Copied: 10-18-44, me)

3568

192V	P-1-6
168V	P-1-5
153V	P-1-4
137V	P-1-3
120V	P-1-2

Primary

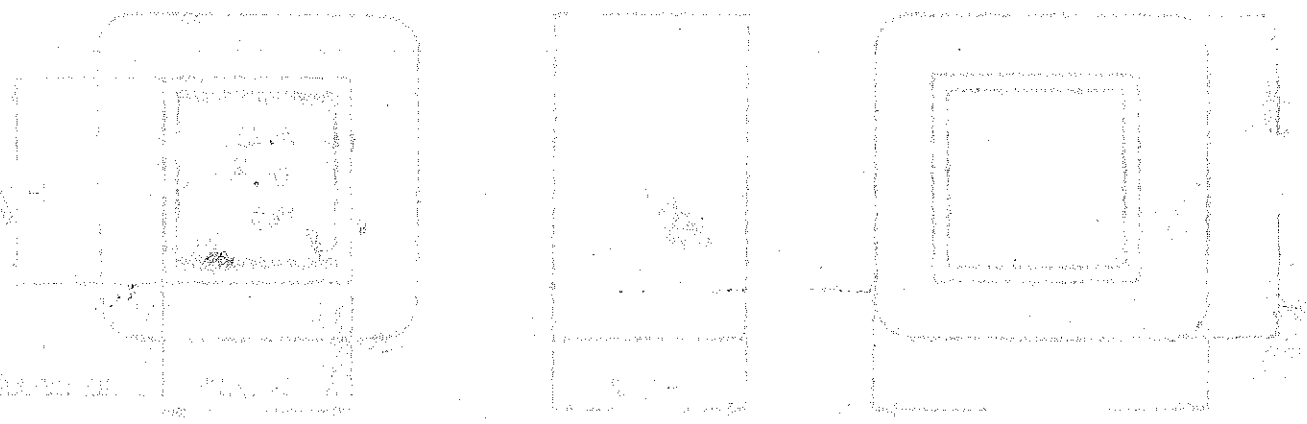
LUG Common P-1-1

Primary to Bakelite Strip

#22 DOLAC S-1-1 BLUE

Secondary: 1700V @ 300 Ma.

#22 DOLAC S-1-2 RED



Ep. 120-137-153-168-192
 Es- 1700V-300ma

130
 SPEC. NO. 3568-25

Continuous

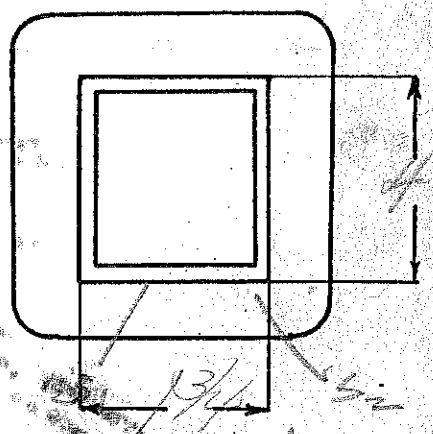
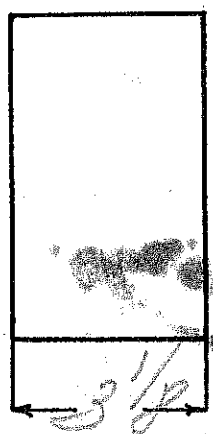
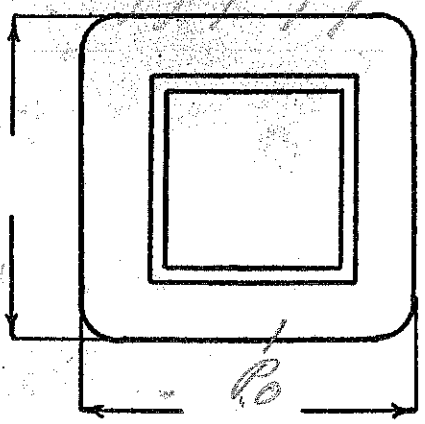
Winding	SEC		PR1			
Turns	2440		156	39	47	
Taps				19	26	
Wind. Lgth.	2 9/16					
Wire Size	#26		#13	#15	#18	
T. P. L.	136-18					
Finish						
Type Lead	200 Dura		WIRE ONLY			
Lead Lgth.			4"			
Layer Insul.	40#		007			
Test Volt.	5000					
Wrapper	36007VC 24005GA		24005GA 4010RR			

TUBE 92007+20007VC IMPREGNATION VARN/34

CORE GA. GRADE STACK

MOUNTING C - Close. Pri leads to bakelite strip in

of shell case - black laminated cellulose
 start sec. lead in coil

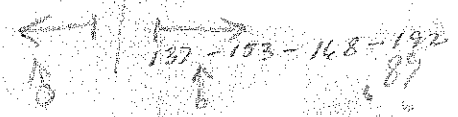


DESIGNED BY *Dweaver*

DATE *11/1/37*

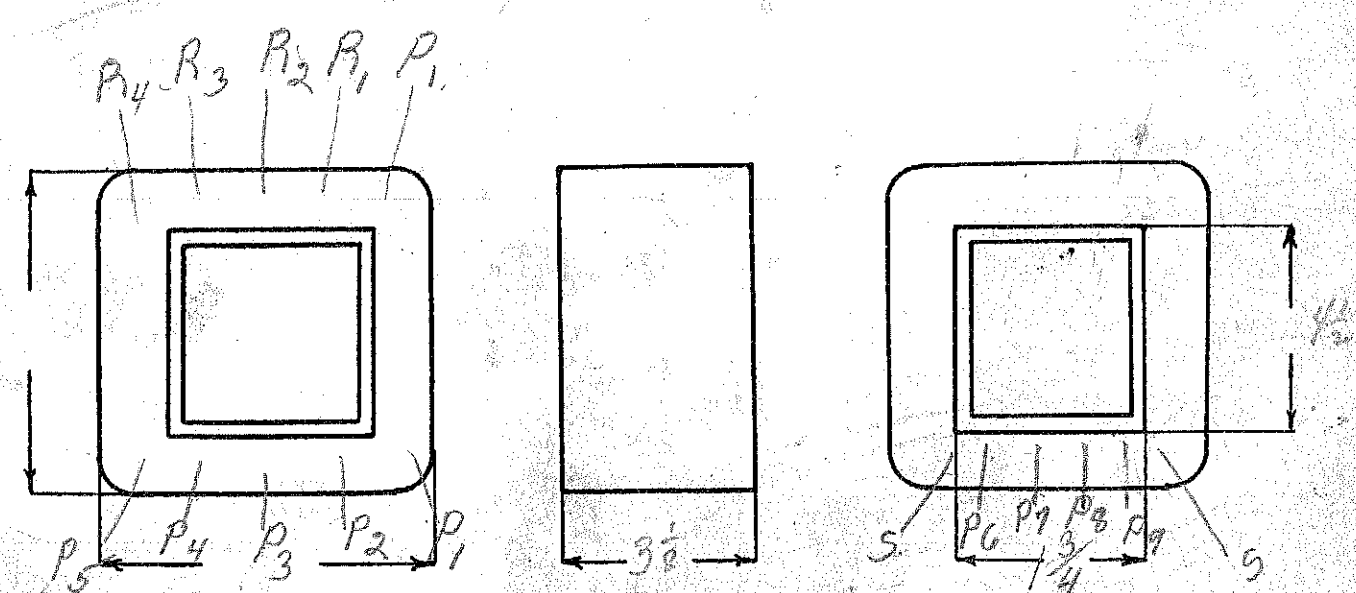
250-240-230-220-125-120-115-110-100-77-33-48-72

See 1700V @ 300MA



10,000 SPEC. NO. 3568 Universal

Winding	See	Continuation					
Turns	1600	111 ^②	111 ^①	29 ^{R2}	35 ^{R4}		
Taps	—	0-9-18-27	4-9-13	15 ^{R1}	14 ^{R3}		
Wind. Lgth.	2 9/16	① ③ ① ⑥	④ ③ ②	①			
Wire Size	#24	#16	#13	#15	#18		
T. P. L.	184-12	41-3	29-4	36- ²	53- ²		
Finish							
Type Lead	#40 Dslac	— Wire Only —					
Lead Lgth.	12"	4"	4"	4"	4"		
Layer Insul.	D-40*	.007"K					
Test Volt.	5000V	1250-					
Wrapper	3L.007VE 2L.007GA					3L.007AA	
TUBE	9L.007/K+1L.007VC		IMPREGNATION		Double Varnish		
CORE	1 3/4 x 4 1/2	GA. 24	GRADE D	STACK 2x2			
MOUNTING	"C" - Special - Blackham Cad-covers.						100.8

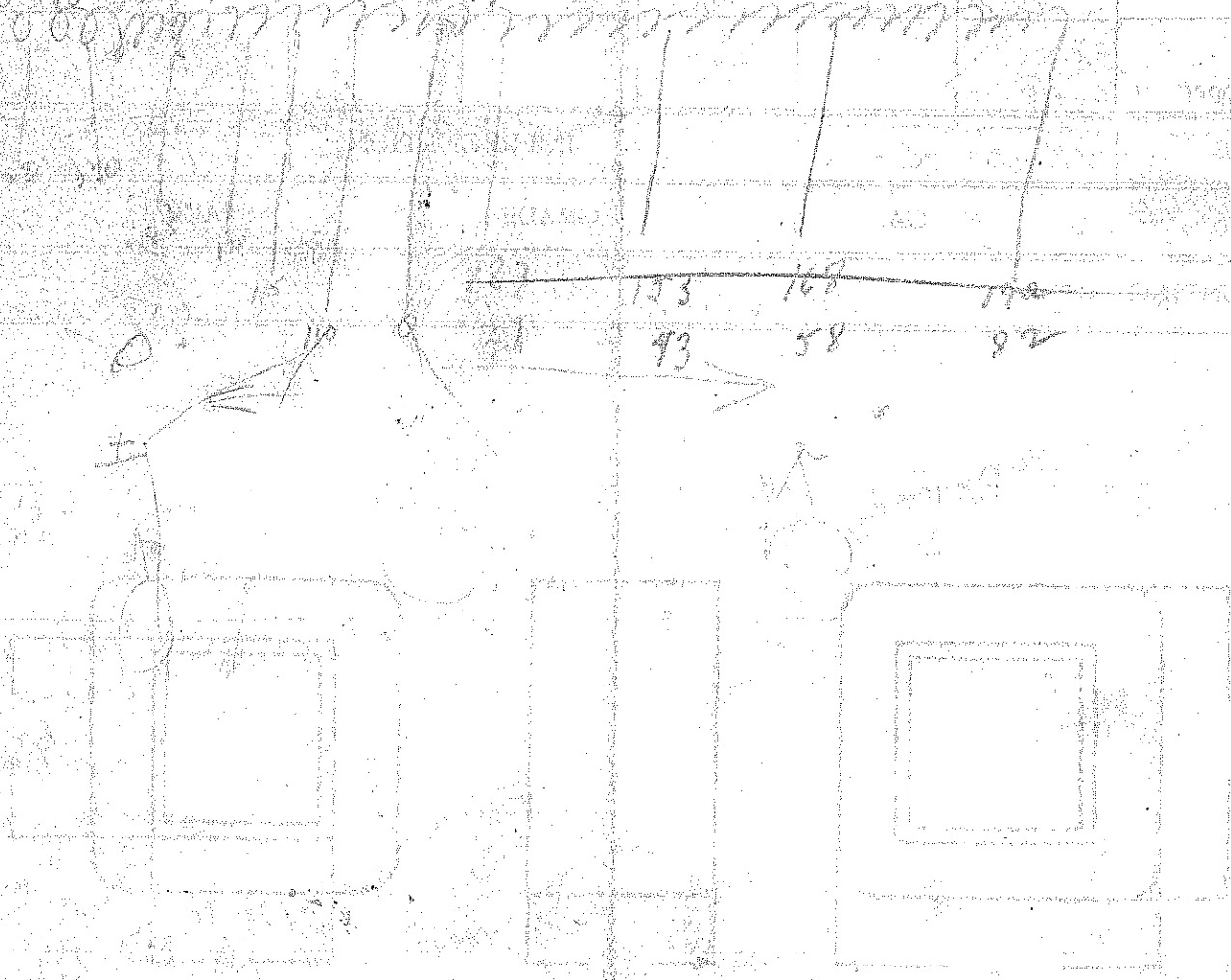


DESIGNED BY [Signature]

DATE 3/29/40

Per

10 10 5 5 5 10 12 15 13 24



133

169

170

93

58

82

Kp - 0 - 200 - 220 - 230 - 250 - 50N

P - 0 - 20 - 30 - 50 - 250 - 294 - 326 - 356 - 404

S - 1700V - 300ma

N/E = 1.24

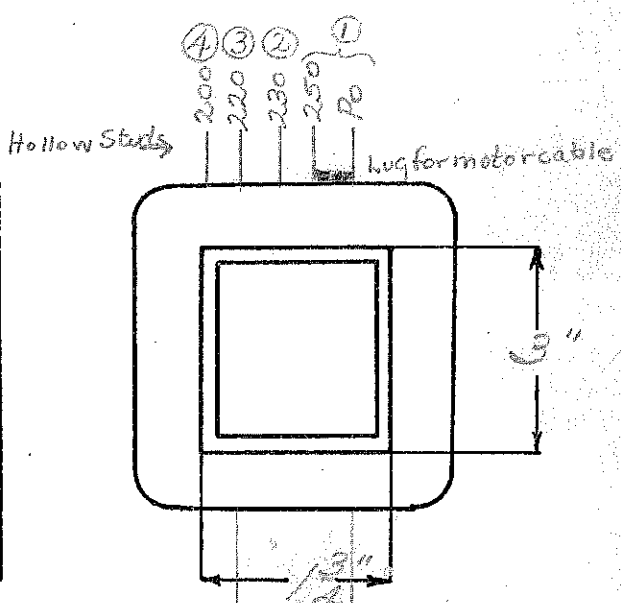
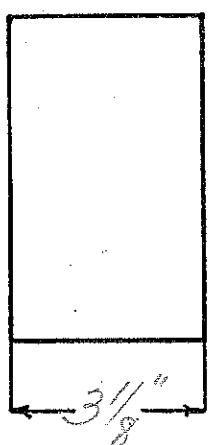
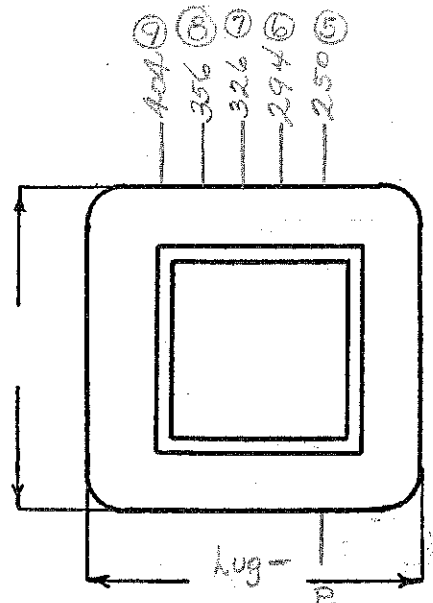
SPEC. NO. 3568 200-270 ✓
230-250 ✓

Winding	Sec	Pri	Continuous		
Turns	2170	310	94①	96②	
Taps	-	② ③ ④ 25-37-62	55⑥	37⑧	
Wind. Lgth.	2 9/16"	0①			
Wire Size	#26	#16	#18	#21	
T. P. L.	137-16				
Finish					
Type Lead	#30 Dulac	Wire Only			
Lead Lgth.	12"	4"	4"	4"	
Layer Insul.	D-40#				
Test Volt.					
Wrapper	3L007VC 2L007EA				

TUBE 9L007K + 2L007VC IMPREGNATION Varnish

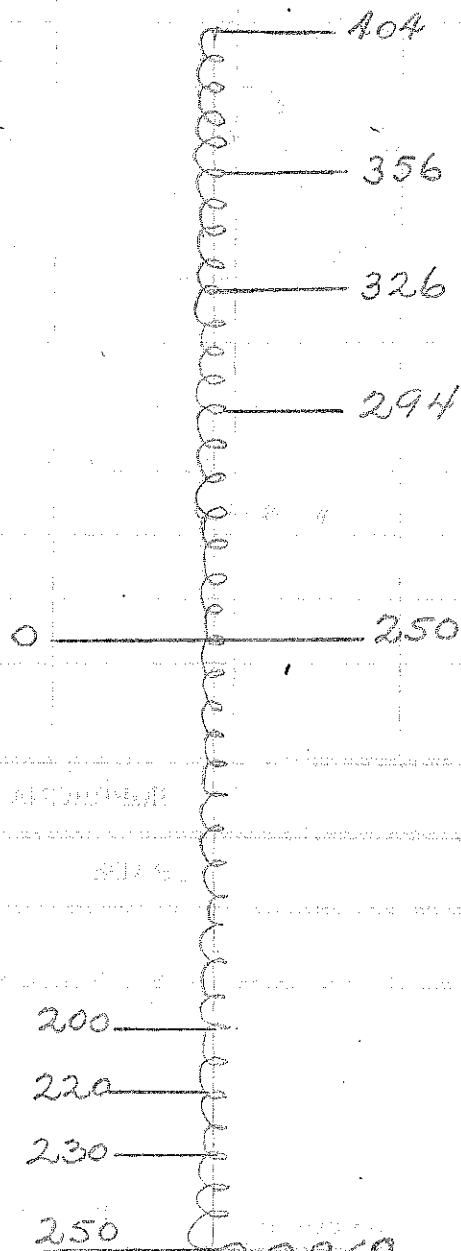
CORE 1 3/4" x 3" GA. 24 GRADE D STACK 2 x 2

MOUNTING C. closed - pri leads to bakelite strip in side of cover
 Cadmium shell - Black lamination (Bakelite strips in both sides)

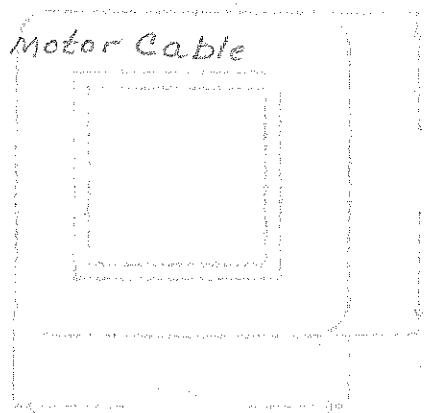
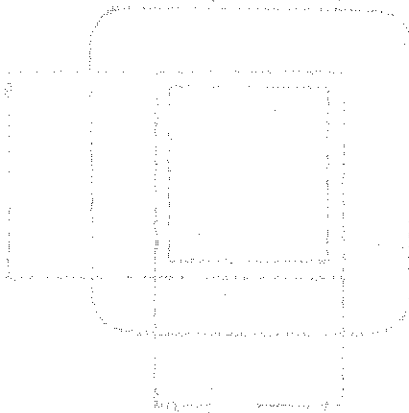


DESIGNED BY

DATE S S



9" #18 Motor Cable



POWER TRANS.

230/264/296/324/354V @ 50Hz

to

1700 V. @ 300 MA

ROSE ELECTRO-THERAPY Co.

269

SPEC. NO. 3568 - 230V

Winding	SEC.	P-1	P-2	P-3		
		<u>PRIMARY</u>				
Turns	2310	303½	87	77		
Taps	—	—	45	40		
Wind. Lgth.	2 7/16"	2 9/16"	2 ½"	2 7/16"		
Wire Size	#26	#16	#18	#21		
T. P. L.	136-17L	44-7L	53-1½L	70-1½L	VINYLITE SLEEVING OVER SECONDARY LEAD WIRES.	
Finish	90%	90%	88½%	85½%		
Type Lead	#22 DULACT VINYL. SKN	W.O.	W.O.	W.O.		
Lead Lgth.	12"	4" - TO LUGS	4"	4"		
Layer Insul.	2-L 40-46.6	1-L .007"GA	1-L .007"GA	1-L .0056"		
Test Volt.	5,000V.	← 1500V. →				
Wrapper	3-L .007"VG 2-L .007"GA	1-L .007"GA	—	2-L .007"GA		

TUBE	10-L .007"6K + P-L D10" VG	IMPREGNATION	DOUBLE VARNISH
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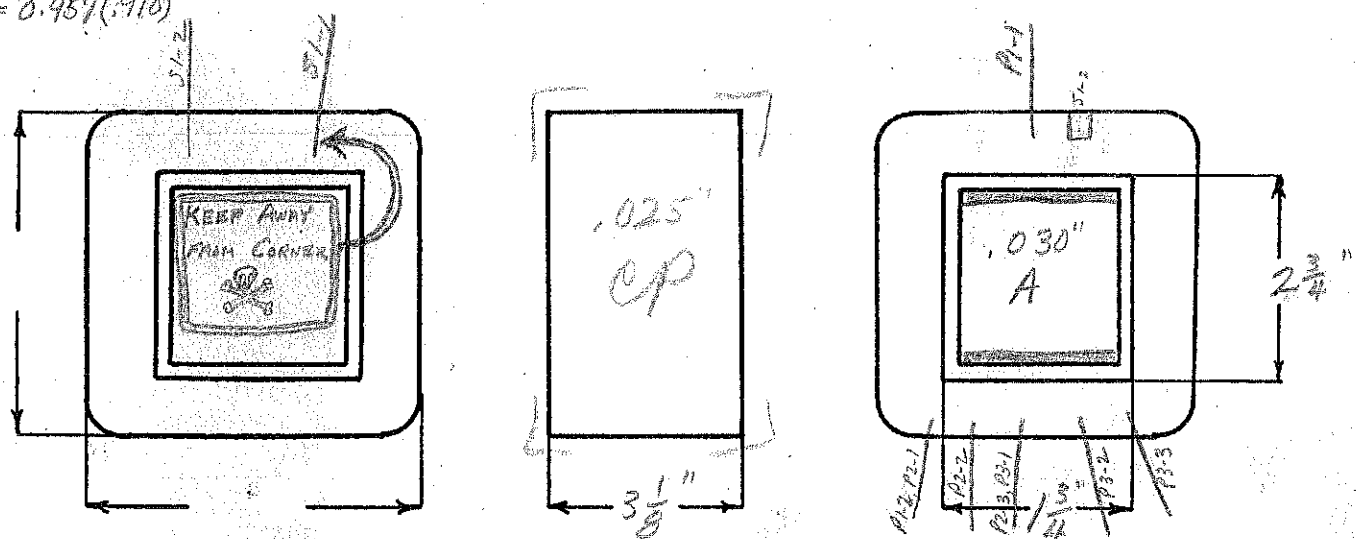
CORE 1 3/4 x 2 3/4 E+I	GA. 24	GRADE D	STACK 2x2
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MOUNTING C - CLOSED. PRIMARY LEADS TO BAKELITE SPAN ON SHELL COVER.

Cu = 847-869
 Fe = 80.5 M @ 6W
 TPV = 1.32-1.52-1.70-1.87-2.03
 WN = 0.957(.910)

SEC. VA = 510
 PRI. VA = 683
 PR. I = 2.97 AMP.

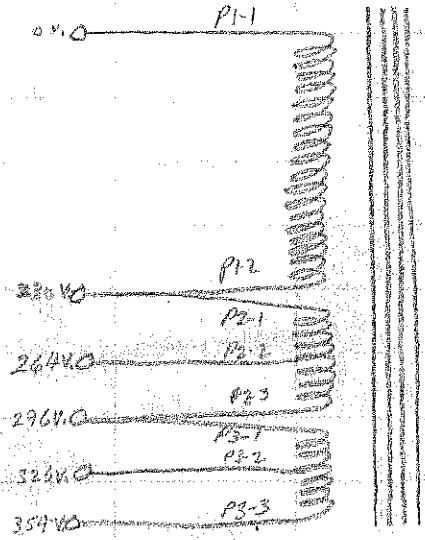
DBL. VINYLITE SLEEVING OVER SEC. LEADS ON COIL.



DESIGNED BY MMH (FROM 3568)

DATE 2-12-45

3568



PRY.

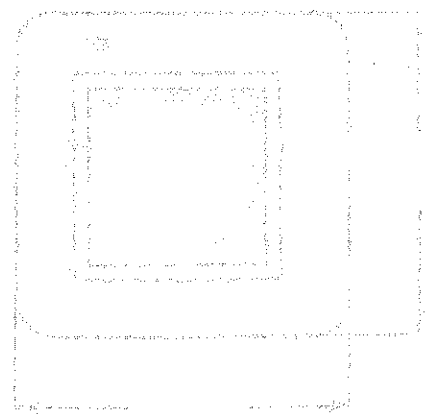
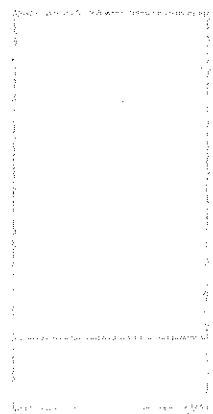
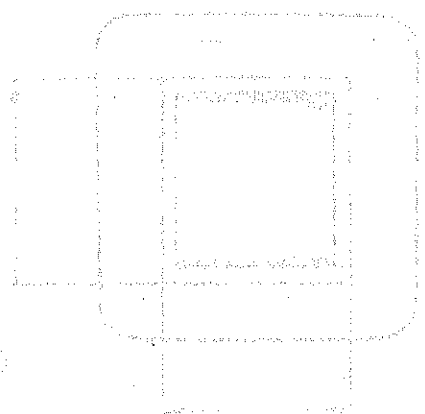
230/240/250/260/270/280V
@ 60 Hz

SEC.

1700V @ 300 MA

No-load - 1750 / 1520 / 1360 / 1240 / 1140
 LOADED - 1700 / 1470 / 1310 / 1190 / 1090

(THESE ARE SEC. VOLTAGES OBTAINED BY PUTTING
 230V TO THE VARIOUS TAPS ON PRIMARY. THIS
 IS THE WAY THE TRANSFORMER ACTUALLY WILL
 BE USED.)

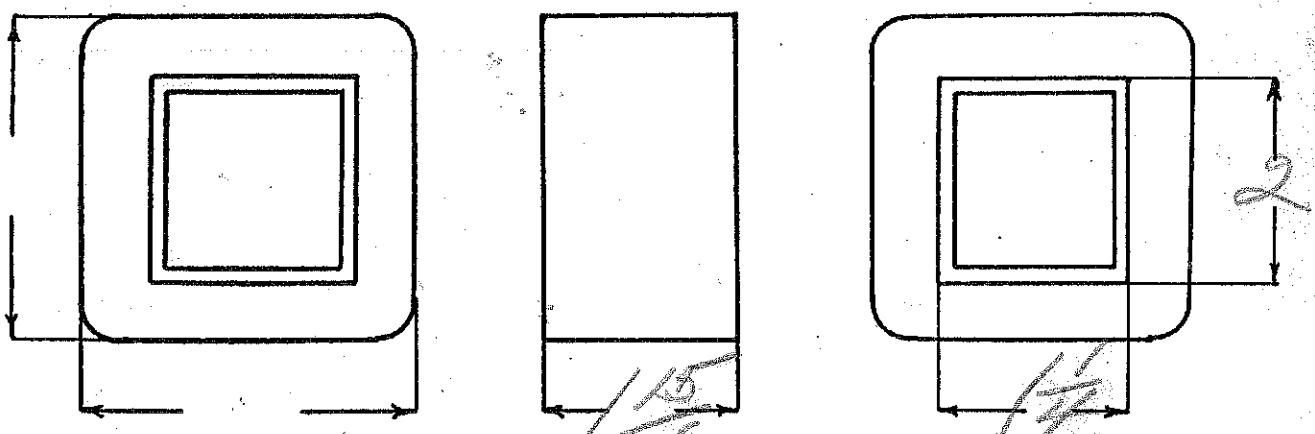


E₁ - 12V CT. 100ma
 E₂ - 800V CT. 150ma
 E₃ - 5V 3amp E_F - 6.3V - 35amp

SPEC. NO. 3569

Winding	SEC	SHIELD	PR1	PR1	F ₁	F ₂
Turns	2200	1	300	24	14	17
Taps	1100		-	12	-	-
Wind. Lgth.	1.75	✓	✓			
Wire Size	#30	shiny stock	#22	#13	#17	#20
T. P. L.	140-16		60-5	24		
Finish	H					
Type Lead	#20 0.03		#20 0.03	WIRE ONLY		
Lead Lgth.	9"		9"	9"	9"	
Layer Insul.	16#		50#			
Test Volt.						
Wrapper	2007N	1007N	20056A	2007GA	2007GA	
TUBE	2007+1007VC		IMPREGNATION		VARNISH	
CORE	1/4 x 2	GA. 24	GRADE D		STACK 2 x 2	
MOUNTING	A					

heavy finishing 2000V test leads



DESIGNED BY Gov.

DATE 10/15/37

Ep - 120

Es - 650VCT - 40 ma

Ep - 5V 2amp

Ep - 6.3V - 1.6amp

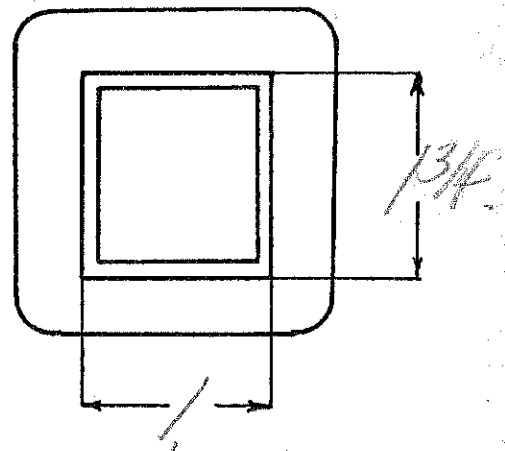
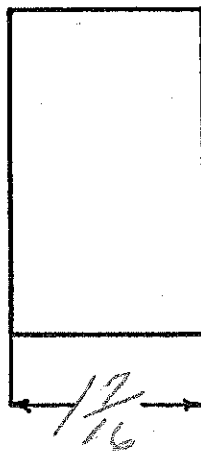
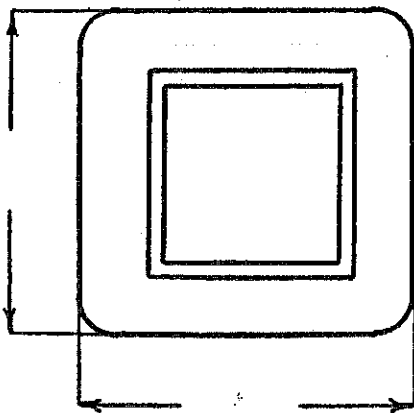
SPEC. NO. 3570 - 25V

Winding	SEC	SHIELD	PR1	F1	F2		
Turns	3740	208	660	32	40		
Taps	1870		—	—	—		
Wind. Lgth.	1.25	1.25	1.25				
Wire Size	#36	#36	#27	#21	#21		
T. P. L.	208-18		74-9				
Finish							
Type Lead	#20 Paw Br		#20 Paw Br	WIRE ONLY			
Lead Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		40#				
Test Volt.							
Wrapper	14007VC	14005VC	24005GA	24005GA	24005GA		

TUBE	6L007	IMPREGNATION	VARNISH
------	-------	--------------	---------

CORE	1X13/4	GA.	GRADE	STACK
------	--------	-----	-------	-------

MOUNTING SA - short bolts



DESIGNED BY

GW

DATE

1/21/38

E₁ - 120
 E₂ - 650 VCT - 40 ma
 E₃ - 5V - 2 amp
 E₄ - 6.3V - 1.6 amp

Replacing 3222

SPEC. NO. 3570

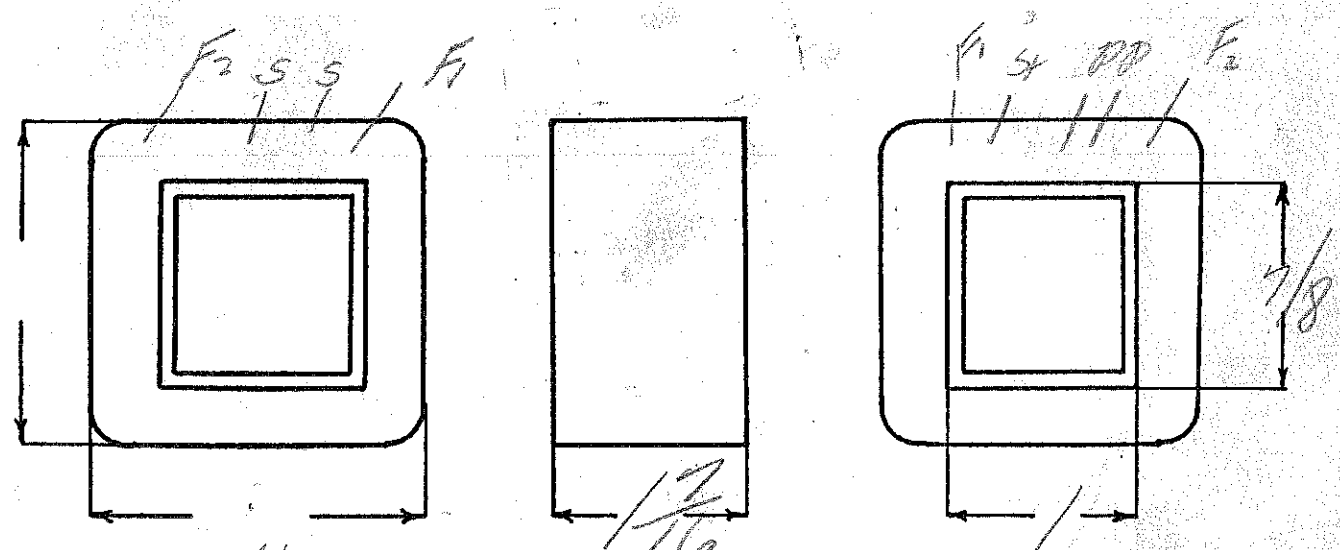
59

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3900	73	710	34	43		
Taps	1950						
Wind. Lgth.	1.25	✓	✓	✓	✓		
Wire Size	#39	#27	#27	#21	#22		
T. P. L.	917-18		73-10				
Finish							
Type Lead	#22 cellar	wo.	#20 cellar		WIRE ONLY		
Lead Lgth.	see order						
Layer Insul.	double 16#		50# Graiseproof.				
Test Volt.							
Wrapper	16007VC	12005VC	2005GA	2005GA	2005GA		

TUBE 5Z007 IMPREGNATION VARNISH

CORE 1X7/8 GA. 24 GRADE D STACK 2x2

MOUNTING SA



DESIGNED BY YW

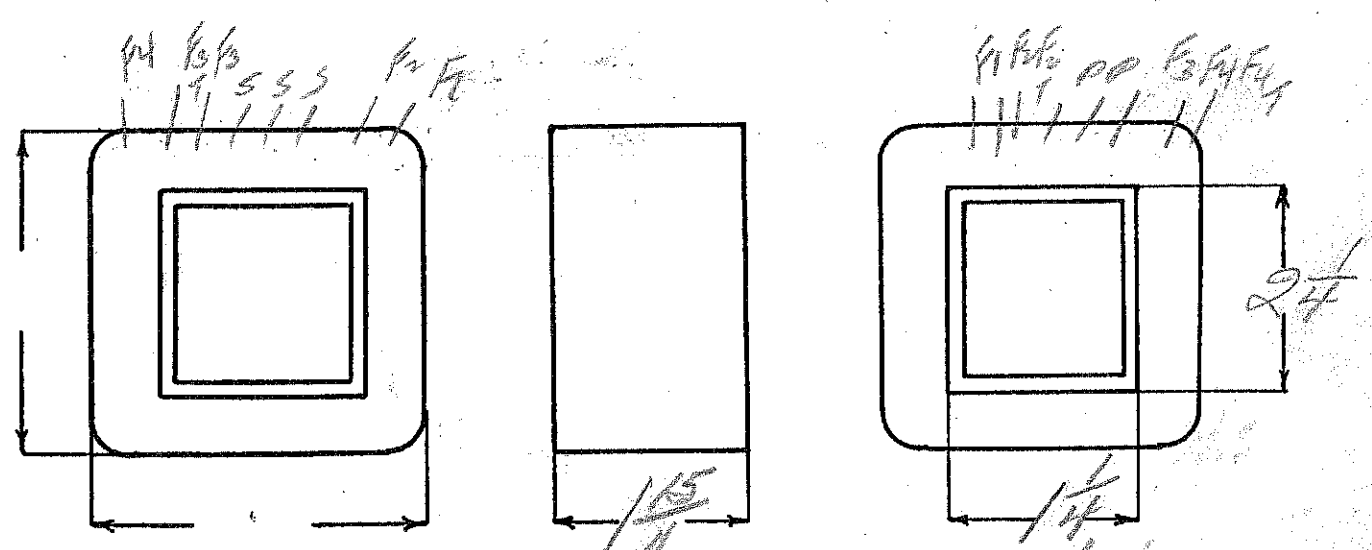
DATE 10/6/37

Ep-115
 Es-750VCT 150Ma
 EF1-5V-3amp

EF2-6.3VCT 4amp
 EF3-2.5VCT-3amp
 EF4-7.5VCT-6amps
 2.2

SPEC. NO. 3571

Winding	SEC	SHIELD	PRI	F1	F2	F3	F4
Turns	1740	145	255	12	15	6	18
Taps	870				7	3	9
Wind. Lgth.	1.75	✓	✓	✓	✓	✓	✓
Wire Size	#30	#30	#20	#18	#16	#18	double #17
T. P. L.	145-12		45-6				
Finish	sil br		NO	✓	✓	✓	✓
Type Lead							
Lead Lgth.	3"	✓	✓	✓	✓	✓	✓
Layer Insul.	double 20#		double 40#				
Test Volt.							
Wrapper	1000VDC 31-20	1005VC	2007GA			2007GA	2007GA
TUBE	94007	IMPREGNATION			VARNISH II		
CORE	1/4x 2/4	GA. 24	GRADE		STACK		2R
MOUNTING	C						



DESIGNED BY *[Signature]*

DATE 10/14/57

Ep- 120V

E5- 710VCT. - 150MA

EF- 5V- 3amp

EF- 6.0V- 6amp

E3- 24V- 1amp

SPEC. NO. 3572

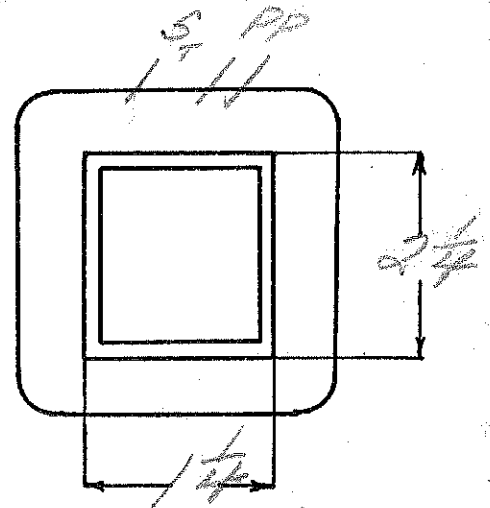
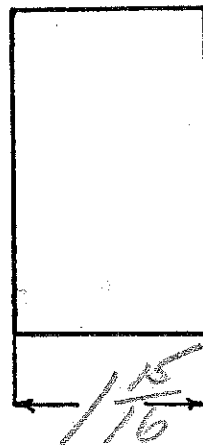
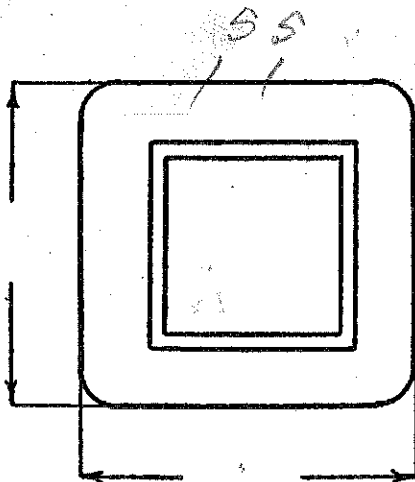
Winding	SEC	SHIELD	PRI	green F ₁	Blue F ₂	black (23)	
Turns	1700	123	270	12	15	58	
Taps	850						
Wind. Lgth.	1 1/16	1 1/16	1 1/16				
Wire Size	#29	#29	#20	#17	#15	#23	
T. P. L.	123-14		45-6				
Finish	#20 BR		#20 BR	WIRE ONLY			
Type Lead							
Lead Lgth.	9"		9"	9"	9"		
Layer Insul.	double 30#		double 50#				
Test Volt.							
Wrapper	1L007NC 3LGE	1L007K	2L007GA		2L007GA	2L007GA	

TUBE 9L007 IMPREGNATION VARNISH

CORE 1/4 x 2 1/4 GA. GRADE STACK

MOUNTING 5A- unflanged cover - black

2 grommets spaced 1 1/8" C-C - 3" bolts



DESIGNED BY Weaver

DATE 10/11/37

Ep - 115
 Es - 750VCT-85MA
 Ef - 5V-3amp

Ep - 6.3VCT-2amp
 Es - 2.5VCT-3amp

362

SPEC. NO.

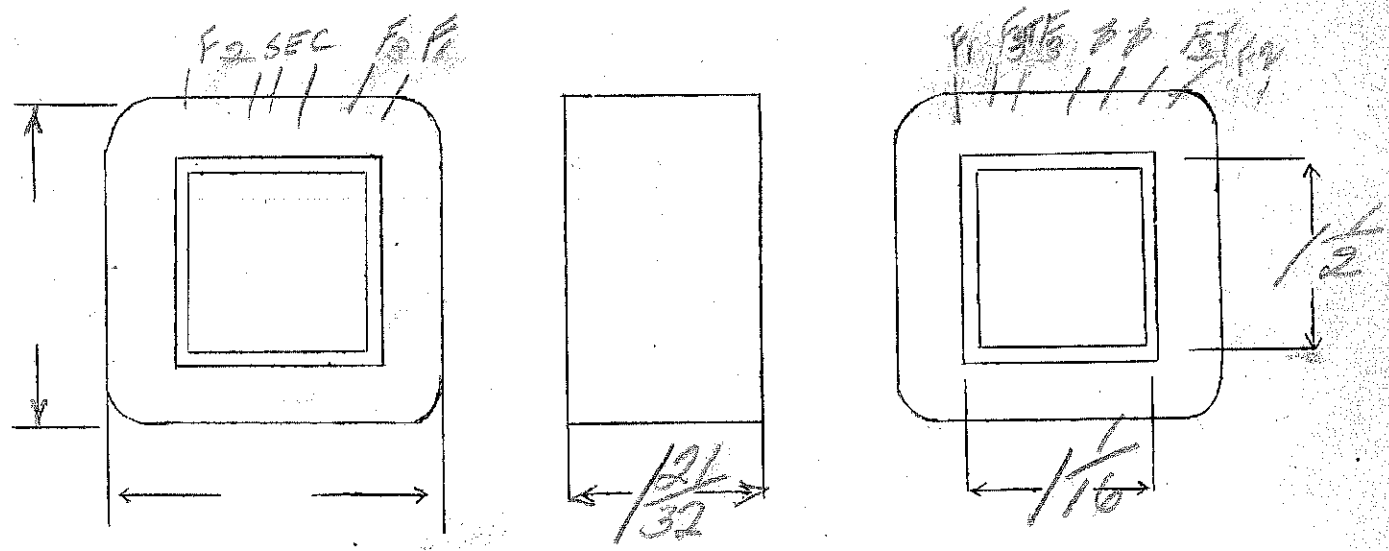
3573

Winding	SEC	SHIELD	PR1	F1	F2	F3
Turns	3000	168	420	20	26	10
Taps	1500			-	13	5
Wind. Lgth.	1 1/2"					
Wire Size	#33	#33	#23	#18	#20	#18
T.P.L.	168-18		53-8			
Kind Term.	Sil R		WIRE ONLY			
Term. Lgth.	3"	✓	✓	✓	✓	✓
Layer Insul.	double 16#		50#			
Test Volt.						
Wrapper	1L007VC	1L005VC	2L005GA	2W		2L005GA

TUBE | 7L007 | IMPREGNATION | VARNISH

CORE | | PRIMARY V.A. |

MOUNTING | C |

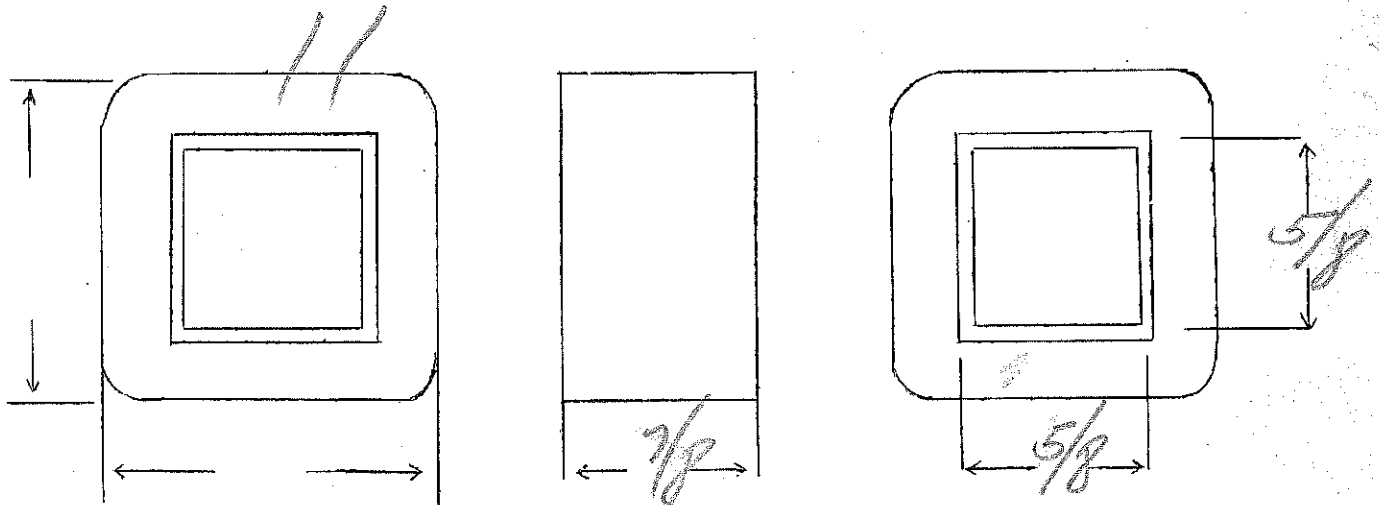


DESIGNED BY *GW* DATE 10/14/37

SPEC. NO.

3525

Winding	P						
Turns	4600						
Taps	—						
Wind. Lgth.	3/4						
Wire Size	#36						
T.P.L.	124-37						
Kind Term.	#20 R/A						
Term. Lgth.	9"						
Layer Insul.	1/16"						
Test Volt.							
Wrapper	260056A						
TUBE	46007	IMPREGNATION			Varnish		
CORE	Empty — 24/32	PRIMARY V.A.					
MOUNTING							



DESIGNED BY *SW*

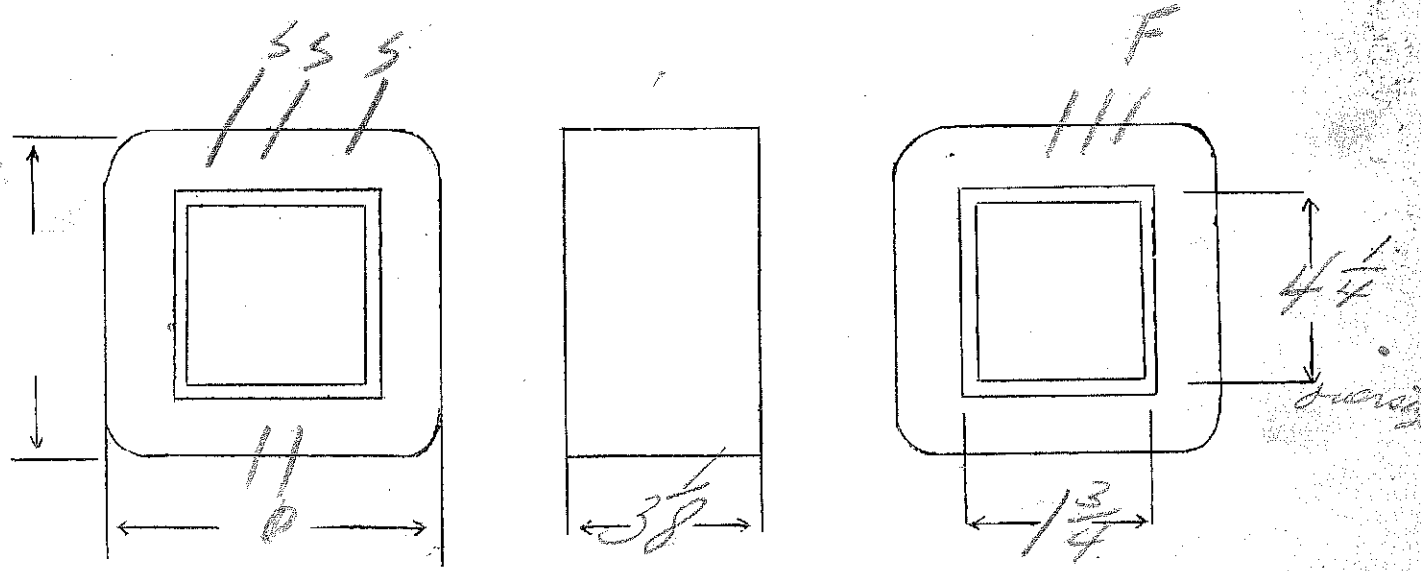
DATE 10/29/37

Ep-105-115-125
 Es-2200V tap 1750V-350mA
 Ef-10.5V-CT 7amp .875

SPEC. NO. 3577

Winding	S	P	F				
Turns	2040	109	10				
Taps	1590	105	5				
Wind. Lgth.	2 3/8	2 1/2	1/2				
Wire Size	#25	#11	#14				
T.P.L.	114-18	52	on end of 5th layer	tight winding necessary			
Kind Term.	WIRE ONLY						
Term. Lgth.	4 1/4	4"					
Layer Insul.	40#	007K					
Test Volt.	7500						
Wrapper	24007K	24005SA	14010RR				

TUBE | 106007F 24007VC | IMPREGNATION | VARNISH
 CORE | 1 3/4 x 4 1/4 | PRIMARY V.A.
 MOUNTING | increased - sects bakelite strips
 Pri to lamp

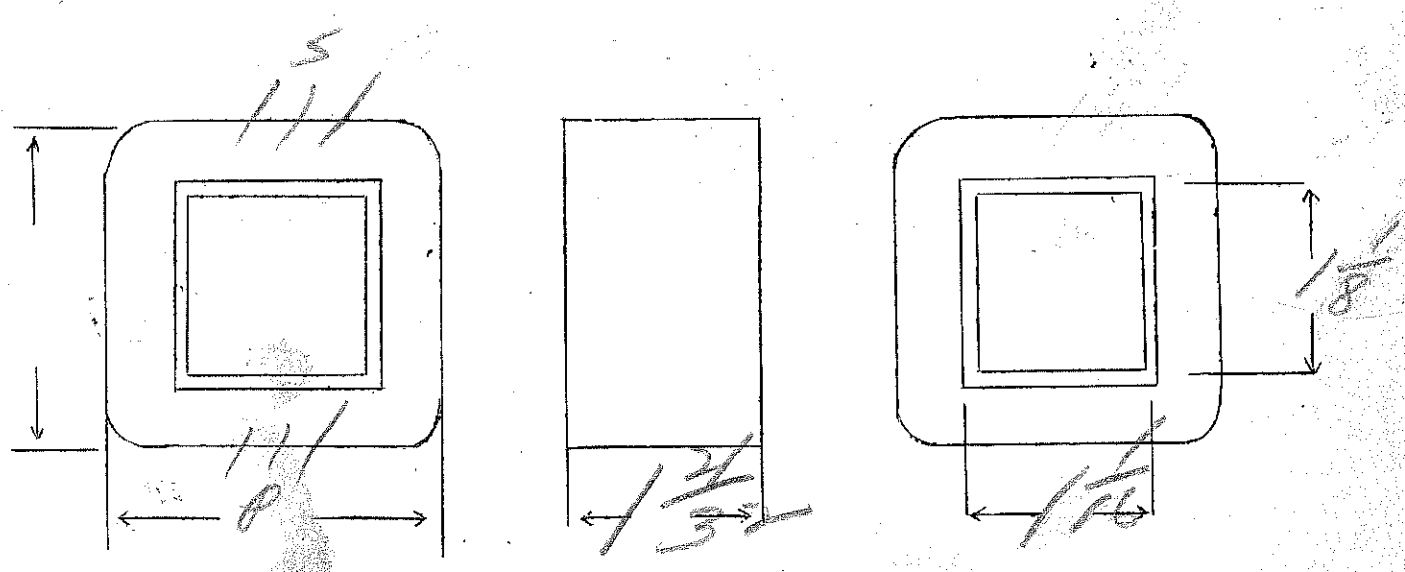


DESIGNED BY SW DATE 10/4/31

to deliver 400 or 300 V d.c. @ 100 ma part 2-0328 stable
 Pri tapped 120-148V
 Sec — 900 VCT-100 ma 4.75 SPEC. NO. 3578
 Cont. input

Winding	SEC	SHIELD	PRI				
Turns	4000	154	700				
Taps	2000		560				
Wind. Lgth.	1 1/32						
Wire Size	#32	#32	#25				
T.P.L.	154-26		70-10				
Kind Term.	50% B		W/O				
Term. Lgth.	6"	3"	6"				
Layer Insul.	double 16#		50#				
Test Volt.							
Wrapper	1000 TMC 4L 22	1000 TMC	20005BA				

TUBE	76007	IMPREGNATION	VARNISH
CORE	1 1/16 x 1 1/8	2x2 24ga	PRIMARY V.A.
MOUNTING	F		



DESIGNED BY *Spw* DATE 10/14/37

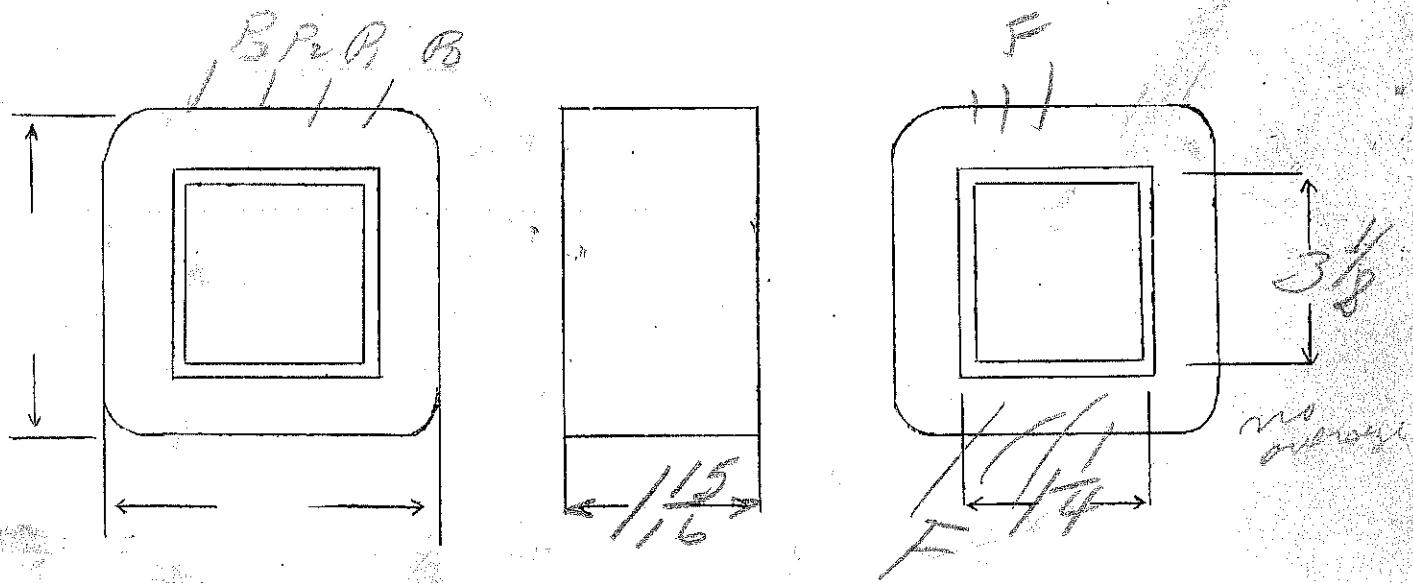
EP-215-220-245
 EF-75VCT-15amp
 EF-7.5VCT-15amp

PIONEER MERCHANDISE CO.

1.75

SPEC. NO. 3579

Winding	PRI	F ₁	F ₂				
Turns	395	14	14				
Taps	386 376	7	7				
Wind. Lgth.	1.75						
Wire Size	#21	#9	#9				
T.P.L.	52-8	1L	1L				
Kind Term.	WIRE ONLY						
Term. Lgth.	4"	4"	4"				
Layer Insul.	.007						
Test Volt.	1250	1250	1250				
Wrapper	36007AA	36007AA	36007AA				
TUBE	96007	IMPREGNATION		VARNISH			
CORE	1/4 x 3/8	PRIMARY V.A.					
MOUNTING	BB						



DESIGNED BY *SW*

DATE 10/14/37

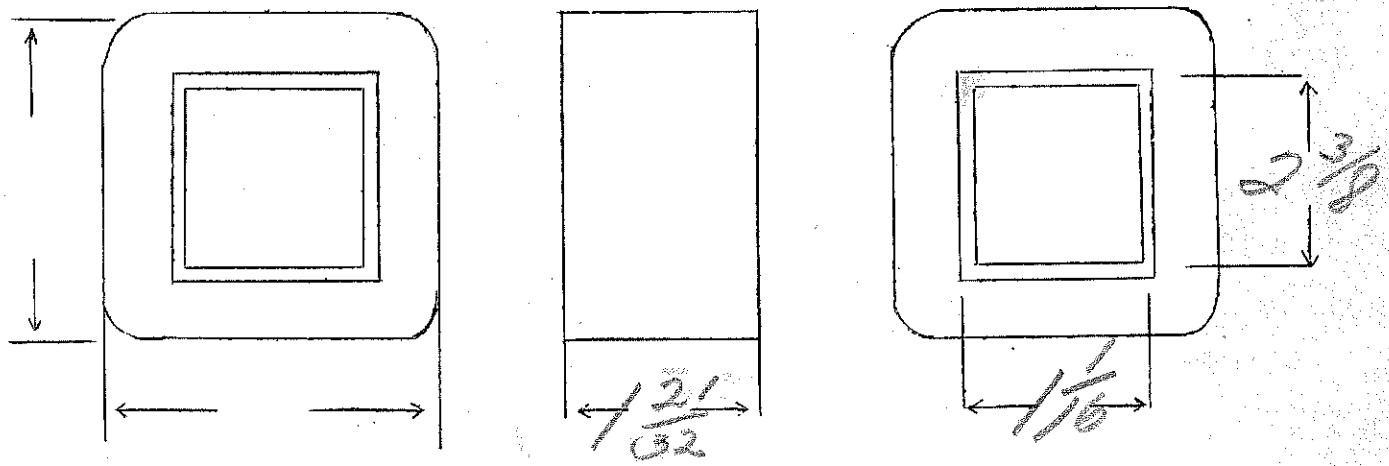
Dimlarto 2833 - Pri 155V

SPEC. NO. 3580

white green

Winding	SEC	SHIELD	P ₁	F ₁	F ₂		
Turns	1860	1	400	14	17		
Taps	930		-	-	-		
Wind. Lgth.	1/15		-	-			
Wire Size	#32	Shun Block	#22	19	16		
T.P.L.	145-14		50-8				
Kind Term.	#70 Pm Pa		#70 Pm Pa	WIRE ONLY			
Term. Lgth.	9" <i>double</i>	3"	9" <i>double</i>	9"	9"		
Layer Insul.	16#		30#				
Test Volt.							
Wrapper	1007C	1007C	2005A	2005A	2005A	Double	
TUBE	7L007			IMPREGNATION		Varnish	
CORE	1 1/4 x 2 3/8				PRIMARY V.A.		
MOUNTING	SA - Cadmium shells - black laminations						

Sec - Black, Blue C.T.
 Pri - brown
 6.3 - green
 5.0 - yellow



DESIGNED BY *GW*

DATE *10/20/37*

Similar to 1506

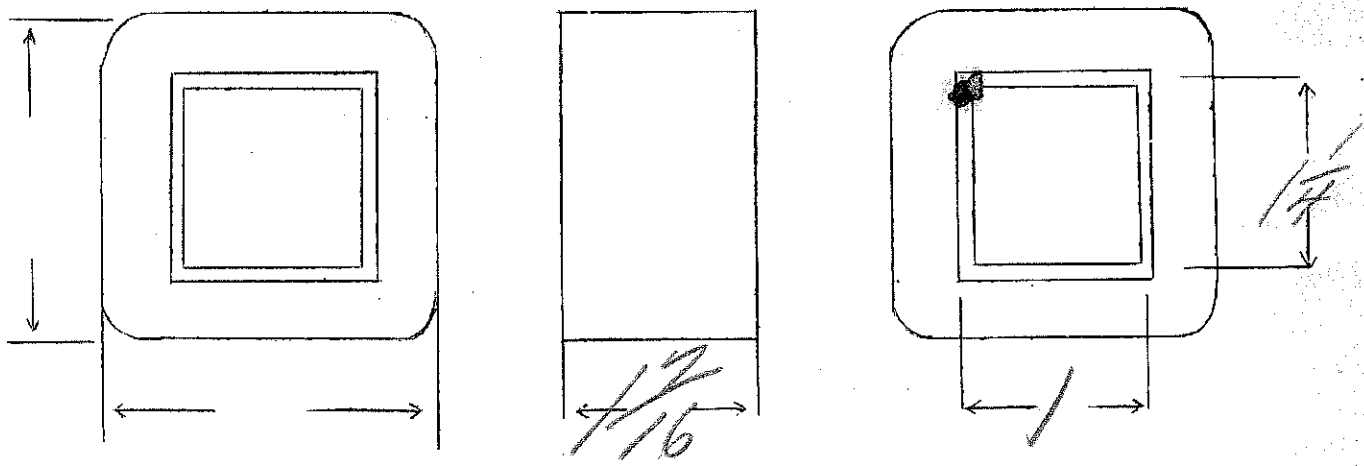
EP - 125-240

Continuous SPEC. NO.

3581

Winding	SEC	SHIELD	PR1	PR1	F ₁	F ₂	
Turns	3100	104	520	585	26	33	
Taps	1550		—	—			
Wind. Lgth.	1.25	1.25	✓	✓			
Wire Size	#37	#30	#30	#27	#21	#21	
T.P.L.	225-14		104-55	74-8			
Kind Term.	#20 P/B		#20 P/B	B	WIRE ONLY	ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"	
Layer Insul.	double 16#		40#	40#			
Test Volt.							
Wrapper	11007K	11005VC		21005BA	210056A	210056A	Double
TUBE	61007			IMPREGNATION		Varnish	
CORE				PRIMARY V.A.			
MOUNTING	SA						

Primary reversed pin is common



DESIGNED BY J. Weaver

DATE 10/20/37

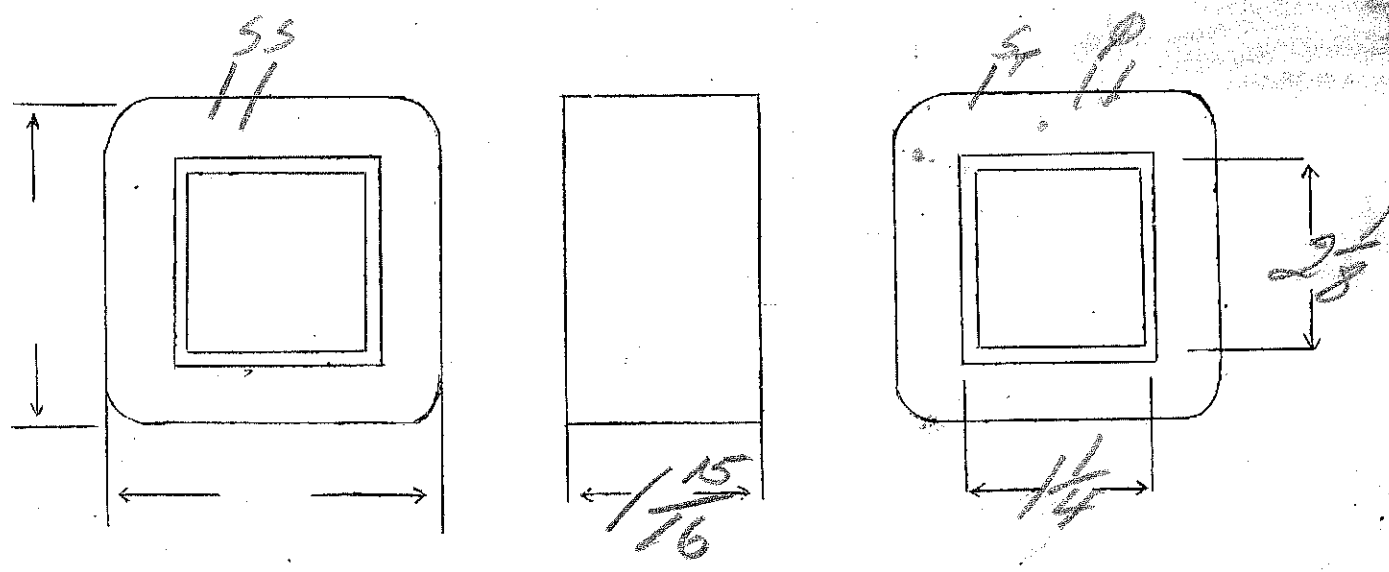
Ep - 120
 Es - 710V - 150MA
 Ef - 5V - 3amp

Ef - 6V - 6amp
 Es - 24V - 1amp (Intermittent)

SPEC. NO. 3582

Winding	SEC	SHIELD	PRI	F1	F2	S2
Turns	1700	123	270	12	15	58
Taps	850					
Wind. Lgth.	1 1/4		1 1/4			
Wire Size	#29	#29	#21	#17	#15	#23
T.P.L.	123-14		57-6			
Kind Term.	#20 P.P.W.		#20 P.P.W.	WIRE ONLY		
Term. Lgth.	9"		9"	9"	9"	9"
Layer Insul.	double 30#		double 40#			
Test Volt.	21.88					
Wrapper	1L007NC	1L007NC	2L007BA	2L007BA		2L007BA

TUBE 9L007 IMPREGNATION VARNISH
 CORE 1 1/4 x 2 1/8 PRIMARY V.A.
 MOUNTING SA - unflanged covers - black



DESIGNED BY DW

DATE 10/13/37

Potential Transf. 3000V - 150V meter

46 SPEC. NO.

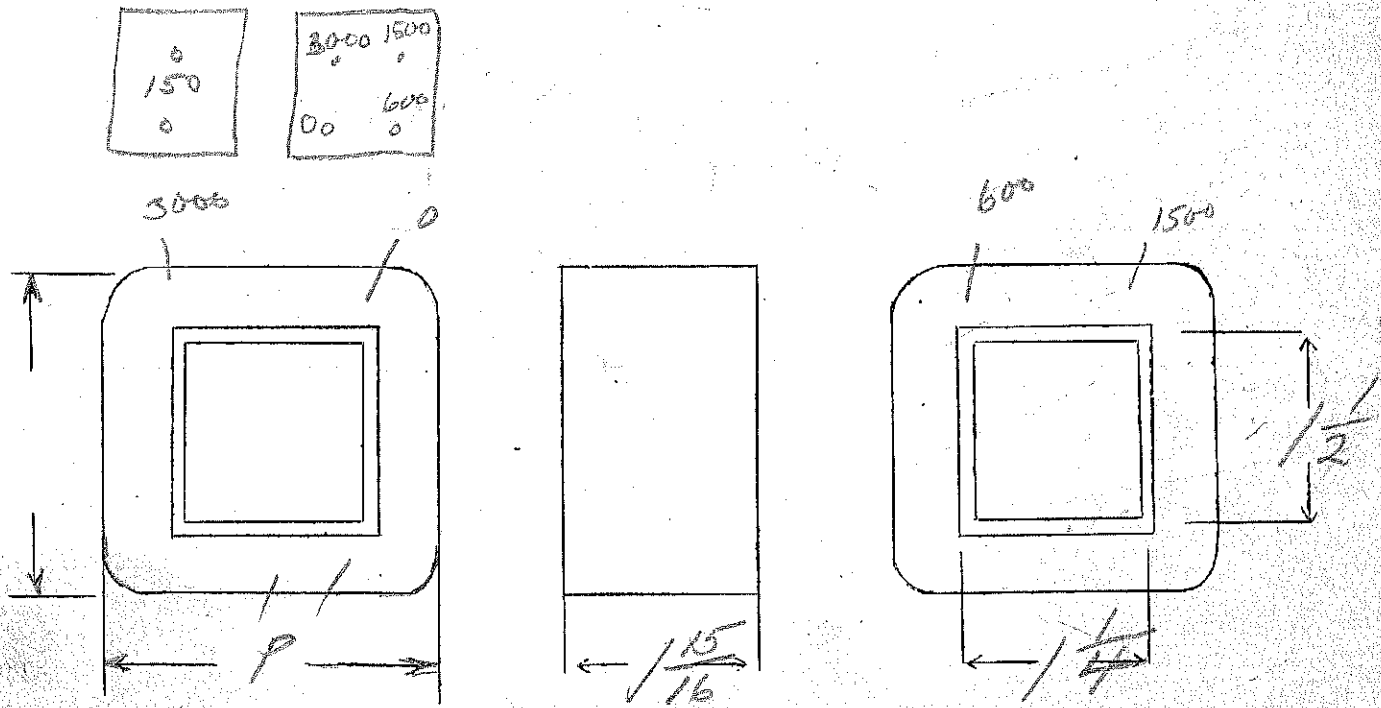
3583

	<i>continuous</i>						
Winding	PR1	SEC					
Turns	700	2760	4150	6900			
Taps							
Wind. Lgth.	1.75	1 $\frac{1}{8}$					
Wire Size	#28	#35	#38	#39			
T.P.L.	117-6	164-17	232-18	258-27			
Kind Term.	W.O.	Sil Br -	finish lead in winding				
Term. Lgth.	4"						
Layer Insul.	40#	double 16#	double 20	double 20			
Test Volt.			7500				
Wrapper	42007V8			42007VC 22005GA			

TUBE 92007 IMPREGNATION VARNISH

CORE PRIMARY V.A.

MOUNTING F *large cut out*



DESIGNED BY *Geo*

DATE 3/15/38

Ep - 115
 Es - 1750 V. - 200 V. - 2500 V. - 400 No.

Similar to 2886-2847

103

SPEC. NO. 3594

Winding	SEC		ERI				
Turns	2640		120				
Taps	2200 - 1900						
Wind. Lgth.	3 1/2						
Wire Size	#24		#10				
T. P. L.	1.07						
Finish							
Type Lead	W. O.		W. O.				
Lead Lgth.	9"		4"				
Layer Insul.	Double 40#						
Test Volt.	7500						
Wrapper	4L.007VC 2L.005GA		3L.005GA				

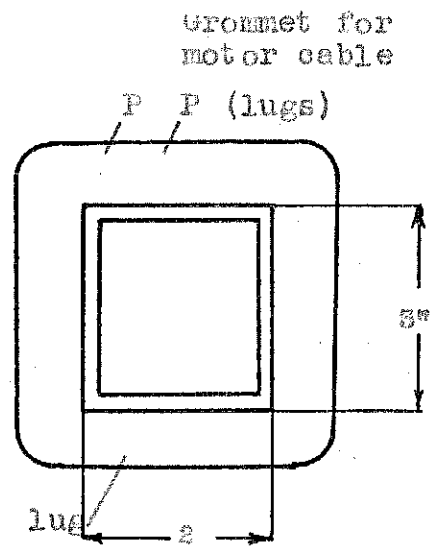
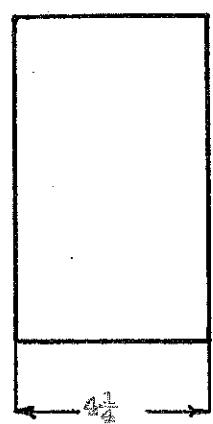
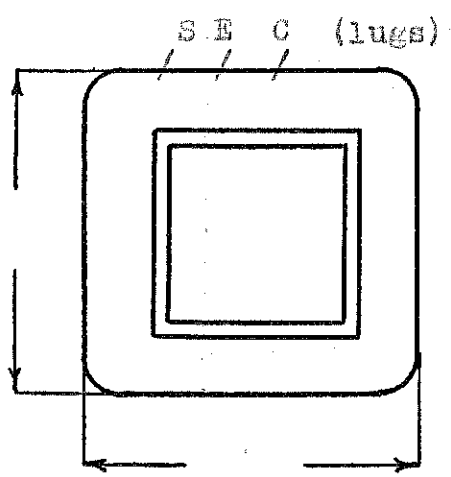
TUBE	10L.007 4 2L.007VC	IMPREGNATION	VARNISH
------	--------------------	--------------	---------

CORE 2 x 3	GA.	GRADE	STACK
------------	-----	-------	-------

MOUNTING C - Alum. shell

start lead out top - 26" #14 motor cable
 lug to panel for motor cable
 on start of sec.

(SKETCH OVER)



DESIGNED BY GW

DATE 10/22/37

Ed - 115

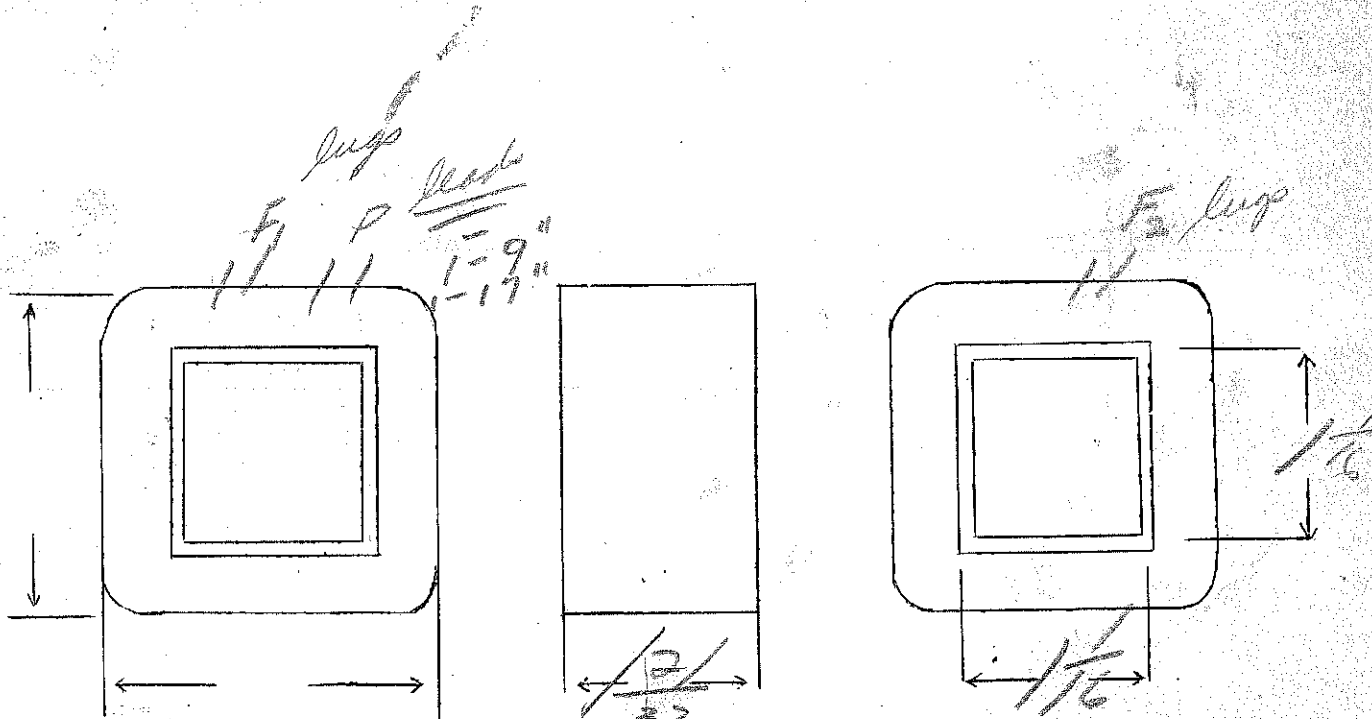
E2 - 10V - 4amp

E3 - 5V - 5amp 2500V Ins

50 SPEC. NO. 3585

Winding	PRI	F1	F2				
Turns	585	57	29				
Taps							
Wind. Lgth.	115/32						
Wire Size	#24	double #20	#16				
T.P.L.	61-10	3L	2L				
Kind Term.	#20 para	WIRE ONLY					
Term. Lgth.	1-8" 1-16"	3"					
Layer Insul.	50#						
Test Volt.			2500V				
Wrapper	36005GA	26007VC 36005GA	26007VC 36005GA				

TUBE	7607	IMPREGNATION	VARNISH
CORE	1/16 x 1/16	PRIMARY V.A.	
MOUNTING	C - long bolts		



DESIGNED BY *J. J. Gussner* DATE 10/20/37

Ep-115

Es - 3000VCT - 250ma.

SPEC. NO. 3586

136

Winding	SEC	PRI				
Turns	4400	160				
Taps	2200	-				
Wind. Lgth.	2 1/2	-				
Wire Size	#28	#16				
T.P.L.	138-32	52				
Kind Term.	W.O.	#14 motor cable under rings				
Term. Lgth.	-	10"		short Dubac on start		
Layer Insul.	40#	001K				
Test Volt.	7500V					
Wrapper	310071C 310056A	310056A				

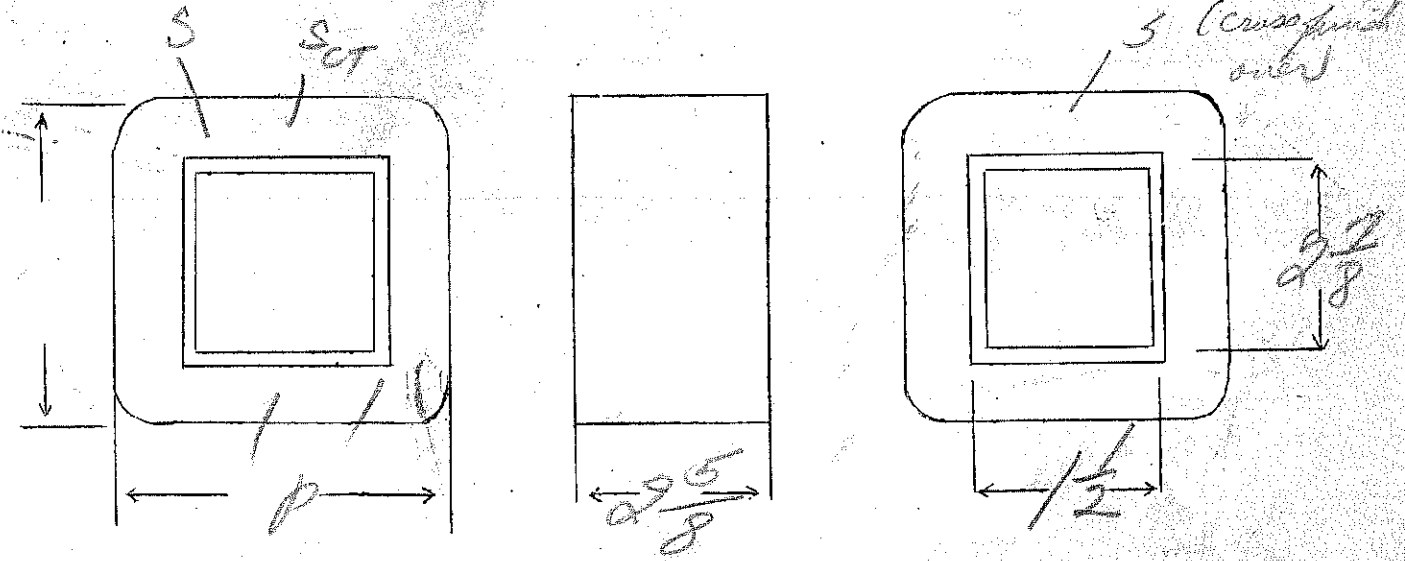
TUBE 90071/10071C IMPREGNATION VARNISH

CORE PRIMARY V.A.

MOUNTING *inverted - prints high - sec. to fabricate strip?*

Careful of margins - upright mounting over

start sec. lead in coil



DESIGNED BY *Alverson*

DATE 10/20/37

Ep-110-120

E5-3000V-300ma

E7-5.2V-13amps

97

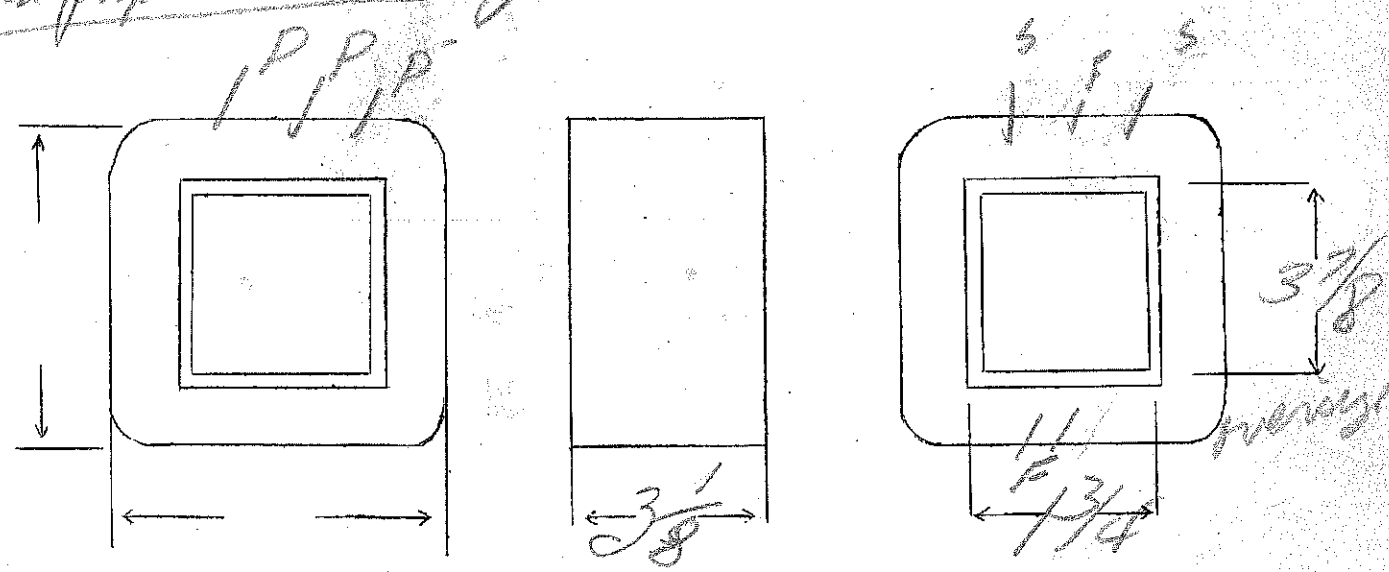
SPEC. NO. 3587

Winding	SEC	PRI	FIL			
Turns	3050	116	5 1/2			
Taps	—	107	3			
Wind. Lgth.	2 1/2	2 3/4				
Wire Size	#26	double #15	#11 ribbon			
T.P.L.	133-23	6L			Start sec lead	
Kind Term.	WIRE ONLY				in coil	
Term. Lgth.	3"	3"	3"			
Layer Insul.	double 40#	1007K				
Test Volt.	7500V					
Wrapper	32007V 32003A	31005GA	21005GA			

TUBE 10L007+21007VC IMPREGNATION VARNISH
 CORE 174x PRIMARY V.A.

MOUNTING uncoiled - two heavy frames - long pulls

Ori to legs - sec. to bakelite strip
 end papers necessary



DESIGNED BY Giv

DATE 10/15/37

105-115-125
 10.5V CT-8 amp

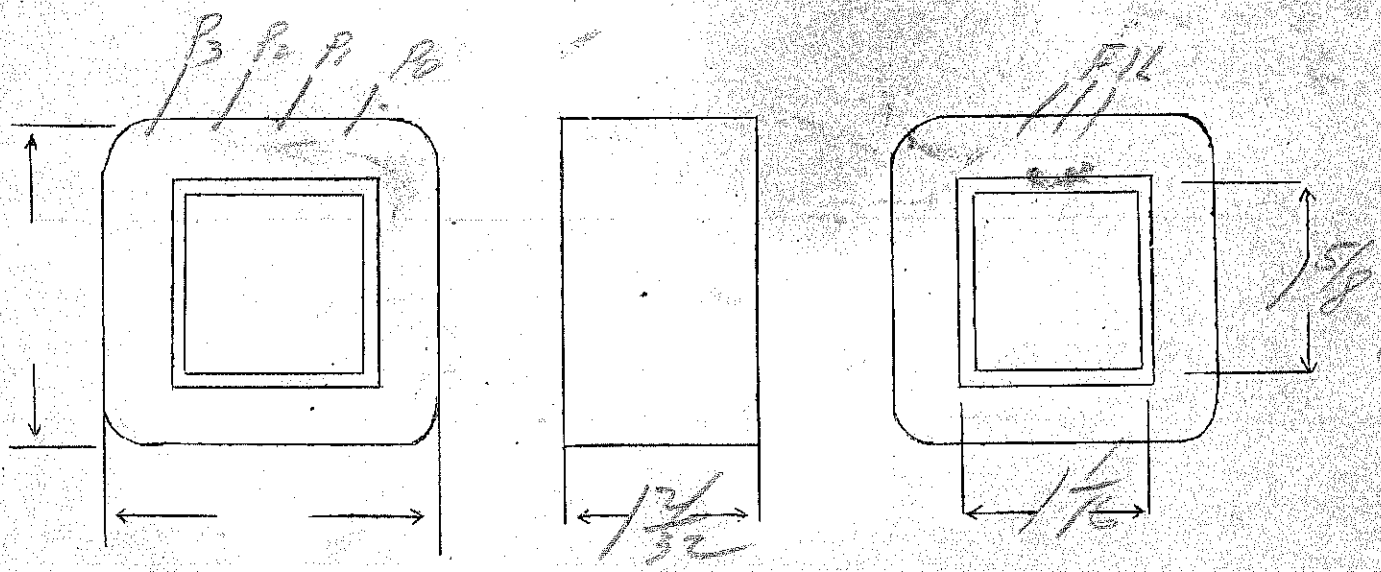
SPEC. NO. 3588

335

Winding	PR1		FIL			
Turns	416		39			
Taps	383 348		19			
Wind. Lgth.	115/32					
Wire Size	#23		16 or #13			
T.P.L.	57		32			
Kind Term.	WIRE ONLY					
Term. Lgth.	4"		4"			
Layer Insul.	50T					
Test Volt.						
Wrapper	20050A		210050A			

TUBE	7407	IMPREGNATION	VARNISH
CORE		PRIMARY V.A.	
MOUNTING	C		

Not Wind For Complete
 mount on Fischer chassis



DESIGNED BY *DW*

DATE 10/22/32

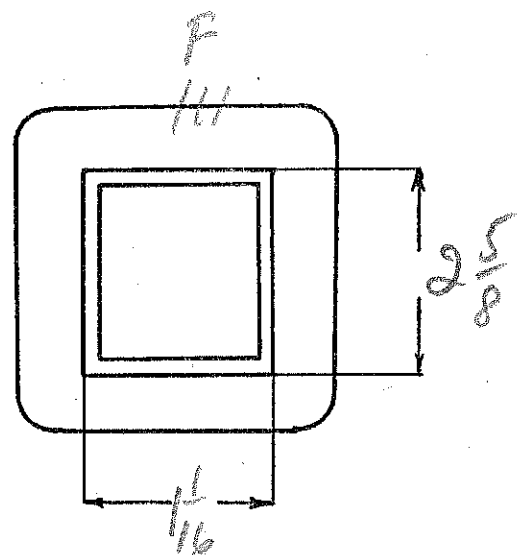
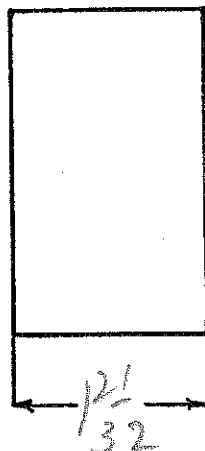
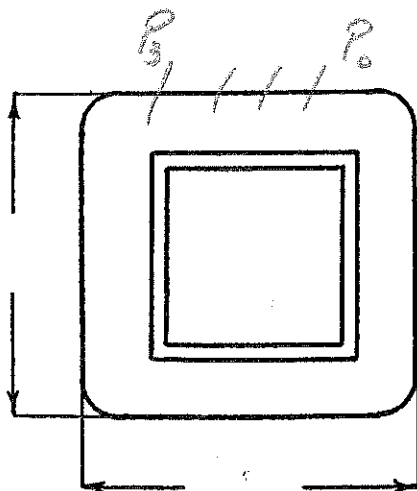
EP 105-115-125

EP 10.5V CT Pa.

SPEC. NO. 3588-252

Winding	Pri		FR				
Turns	416		39				
Taps	383 342		19				
Wind. Lgth.	1.82						
Wire Size	#23		Double #16				
T. P. L.	57-		3L				
Finish							
Type Lead	W.O		W.O				
Lead Lgth.	4"		4"				
Layer Insul.	50#						
Test Volt.							
Wrapper	2L 0056A		2L 0056A				
TUBE	7L 007		IMPREGNATION		YAR		
CORE	GA.	GRADE D		STACK		2x2	
MOUNTING	C						

Form # 3588



DESIGNED BY *Jan* 1/30/40

DATE

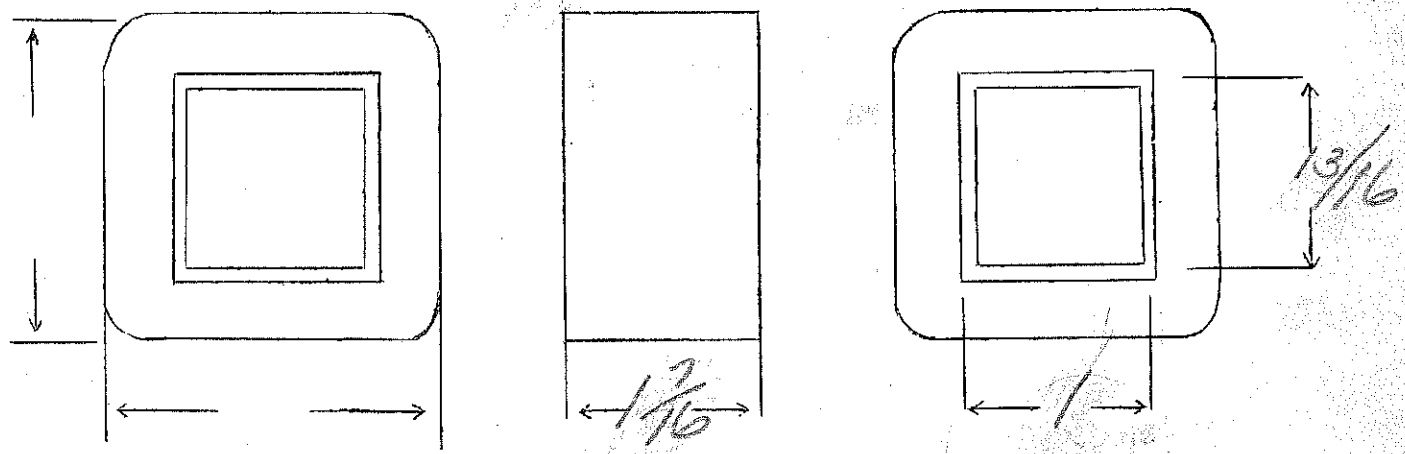
Ep - 11KV
 Es - 660V (open) - 40ma
 Ef - 5V - 2amp

Ep 6.3V 1.3amps

57

SPEC. NO. 3587

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	4050	73	685	35	43		
Taps	2025	-	-	-	-		
Wind. Lgth.	1 7/16	✓	✓	✓	✓		
Wire Size	37	27	27	21	22		
T.P.L.	225-18		73-10				
Kind Term.	#22 Alloy	N.O.	#20 Alloy	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	16#		40#				
Test Volt.							
Wrapper	12007VC	12005VC	2405GA	2405GA	2405GA		
TUBE	52007			IMPREGNATION		VARNISH	
CORE					PRIMARY V.A.		
MOUNTING	A						



DESIGNED BY Shewen

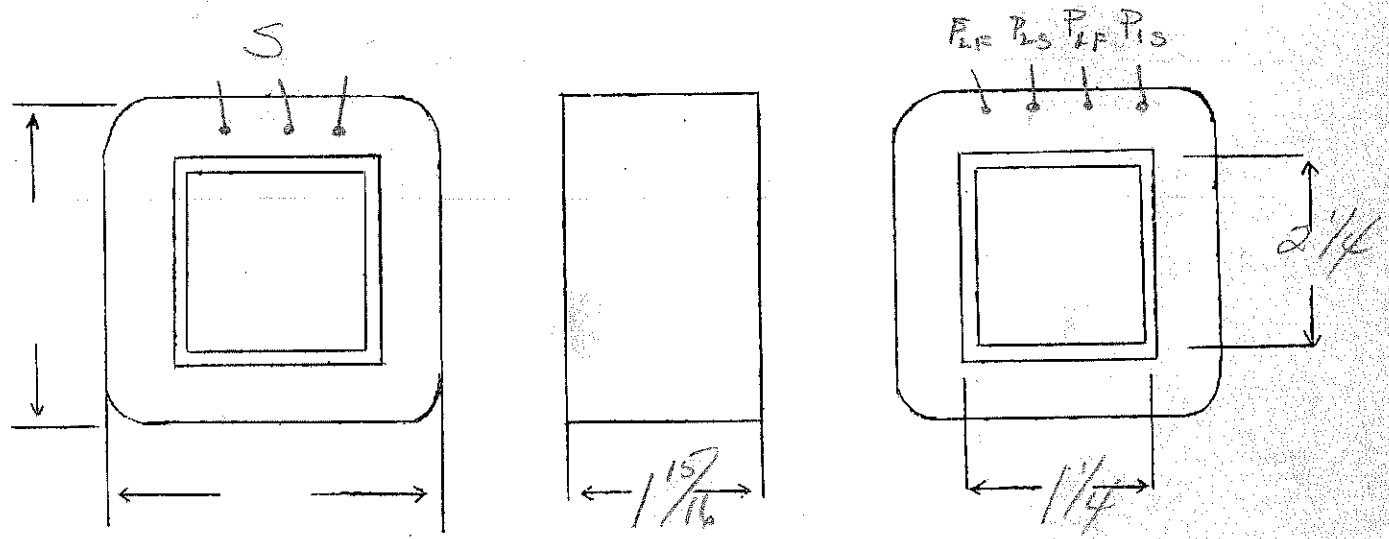
DATE 10/25/37

E_p - 120-240V SERIES OR PARALLEL CONNECTION
 E_s - 710V CT - 150 ma E_{F_2} - 6.0V - 6amp 120-240V
 E_{F_1} - 5V - 3amp E_{F_3} - 24V - 1amp SPEC. NO. 3590-

Winding	SEC	SHIELD	WHITE START - BLACK FIN ON EACH WINDING		SPEC. NO. 3590- Green Blue White		
			PRI	PRI	F ₁ 8 1/2" 10"	F ₂ 8 1/2" 6"	F ₃ 6" 12"
Turns	1750	148	270	270	12	15	58
Taps	8.75	—	—	—	—	—	—
Wind. Lgth.	1 1/16	1 1/16	1 1/16	1 1/16	—	—	—
Wire Size	#30	#30	#23	#23	#17	#15	#23
T.P.L.	148-12		68-4	68-4			
Kind Term.	#20 PAR BR		#20 PAR BR		WIRE ONLY	ONLY	
Term. Lgth.							
Layer Insul.	Double 30#		Double 40# GL	Double 40# GL			
Test Volt.							
Wrapper	1L007VC 3L GL	1L007VC	1L007VC	2L007GA		2L007GA	2L007GA

TUBE | 9 L007 | IMPREGNATION | DOUBLE VARNISH
 CORE | 1 1/4 x 2 1/4 | PRIMARY V.A. |
 MOUNTING SA - unflanged cover - black - fibre grommet

Primary starts - white } on each winding
 " finishes - black }



DESIGNED BY

DATE

5-19-38

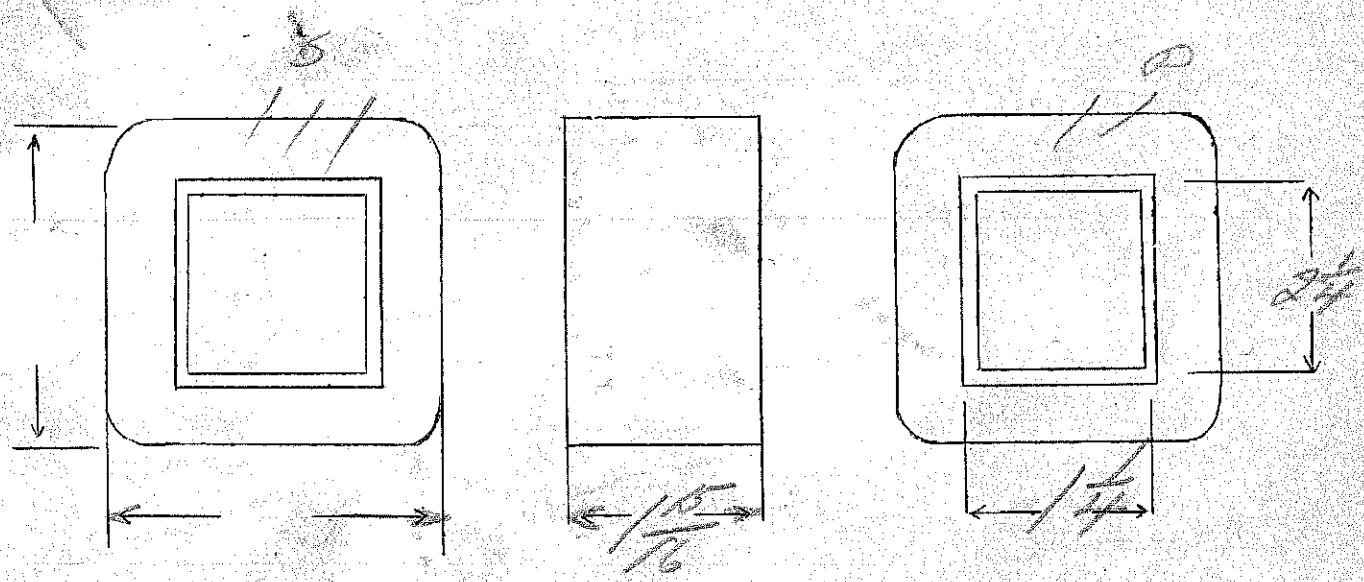
Ep-120
 Es-710VOT-150ma
 Ef-5V-3amp
 POWER

Ef-6.0V-600ma
 Ef-24V-1amp
 SPEC. NO. 3590
 green Blue White

	SEC	SHIELD	PR1	8 1/2" F1 10"	8 1/2" F2 6"	6" F3 12"
Winding	SEC	SHIELD	PR1	8 1/2" F1 10"	8 1/2" F2 6"	6" F3 12"
Turns	1750	148	270	12	15	58
Taps	875					
Wind. Lgth.	1 1/16	1 1/16	1 1/16			
Wire Size	#30	#30	#20	#17	#15	#23
T.P.L.	148-12		45-6			
Kind Term.	#20 PAPER		#20 PAPER	WIRE ON		
Term. Lgth.						
Layer Insul.	double 30#		double 40#			
Test Volt.						
Wrapper	100M 20078A	100M	20078A	20078A	20078A	20078A

TUBE 9L007 IMPREGNATION VARNISH
 CORE PRIMARY V.A.

MOUNTING 5A- unflanged cover - black - fibre



DESIGNED BY *[Signature]* DATE 10/20/37

Ep-300V

(similar to 410)

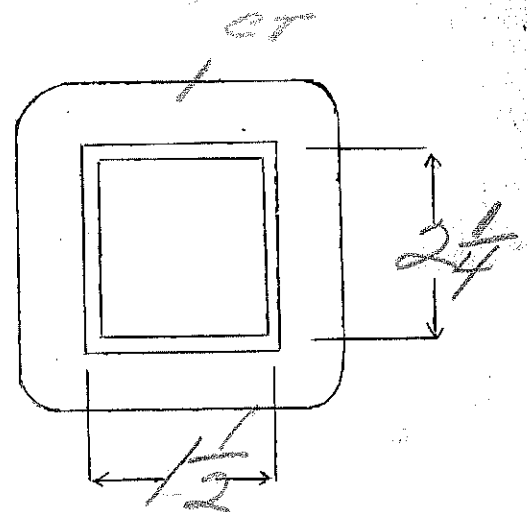
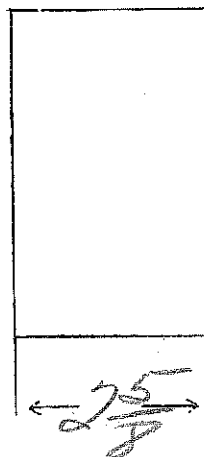
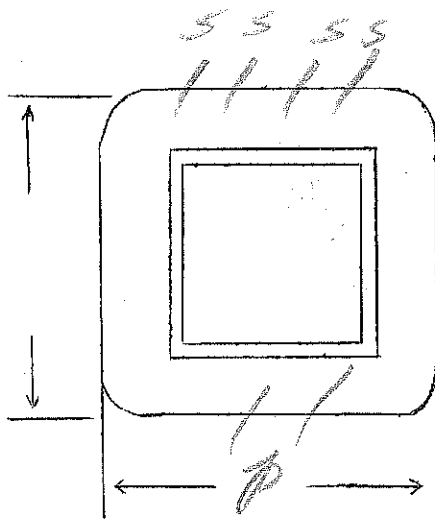
E5-2400V-1700CT-250MA

SPEC. NO.

3591

Winding	SEC		PRI				
Turns	4800		370				
Taps	4160 2400V-640						
Wind. Lgth.	2 5/16		2 1/4				
Wire Size	#28		#19				
T.P.L.	160-30		55-7				
Kind Term.	WIPE ONLY						
Term. Lgth.	6"		6"				
Layer Insul.	double 30#		007K				
Test Volt.							
Wrapper	21007VE 210056A		210056A				Double Varnish
TUBE	21007#21007VE		IMPREGNATION		PRIMARY V.A.		
CORE							
MOUNTING	B or uncessed						

tight winding



DESIGNED BY

EW

DATE

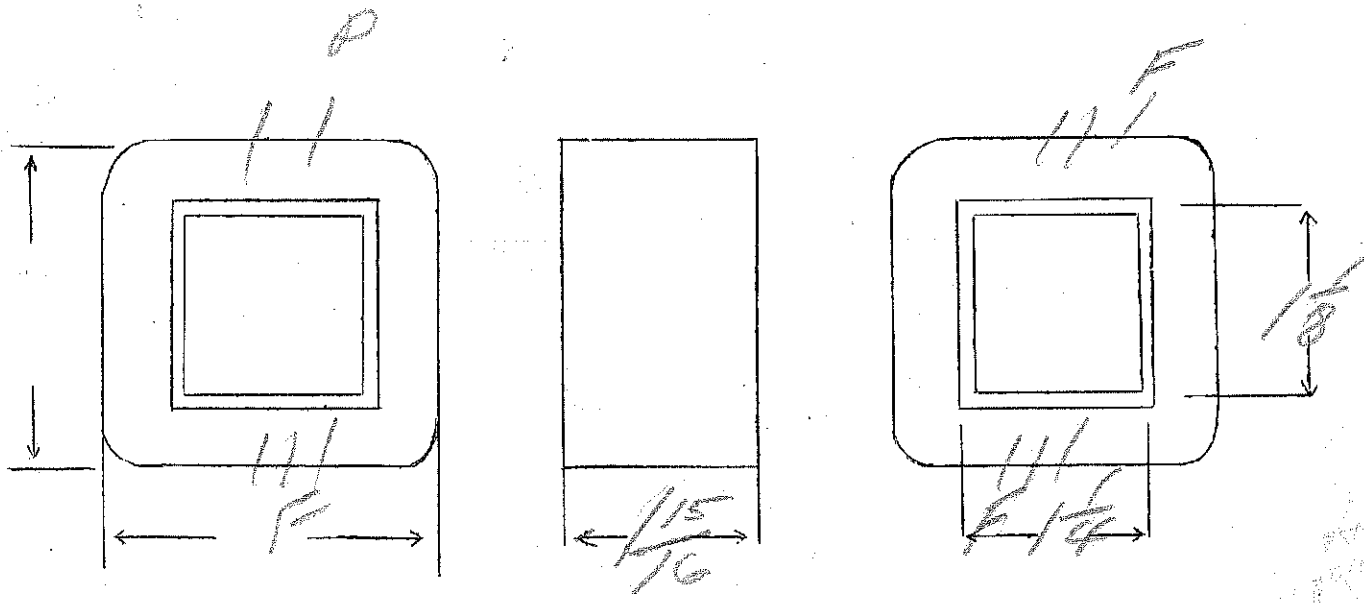
10/22/27

EP-113
 $E_{F1} = E_{F2} = E_{F3} = 2.5V \text{ ET. } 5 \text{ amp}$

10,000 Volt test on all filament windings
 SPEC. NO. 3592

Winding	PR1	F1	F2	F3			
Turns	490	12	12	12			
Taps		6	6	6			
Wind. Lgth.	1.75						
Wire Size	#23	#16	#16	#16			
T.P.L.	65-8						
Kind Term.	WIRE	ONLY					
Term. Lgth.	5-11	✓	✓	✓			
Layer Insul.	50H						
Test Volt.		10,000					
Wrapper	3L007K 2L007GA	3L007K 2L007GA	3L007K 2L007GA	3L007K 2L007GA			
TUBE	9L007	IMPREGNATION		VARNISH			
CORE		PRIMARY V.A.					
MOUNTING	J						

simulate 3306



DESIGNED BY *Sw* DATE 10/22/37

Ep-120

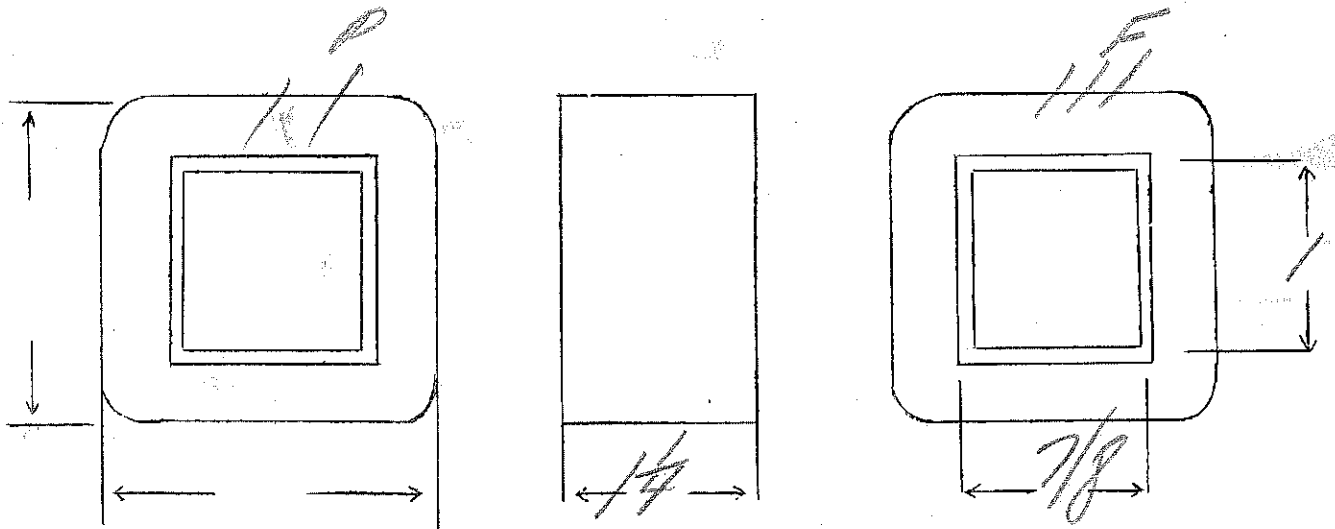
Es-5V-5amps

6.35

SPEC. NO.

3593

Winding	PR1	FIL				
Turns	760	37				
Taps	—	18				
Wind. Lgth.	1 1/16					
Wire Size	#28	#16				
T.P.L.	70-11	2L				
Kind Term.	#28	WIRE ONLY				
Term. Lgth.	9"	9"				
Layer Insul.	40H					
Test Volt.		2500				
Wrapper	21005GA	3405GA				
TUBE	5207		IMPREGNATION	VARNISH		
CORE	7/8 X 1	- 2x2 24 Ga	PRIMARY V.A.			
MOUNTING	A					



DESIGNED BY

Geo

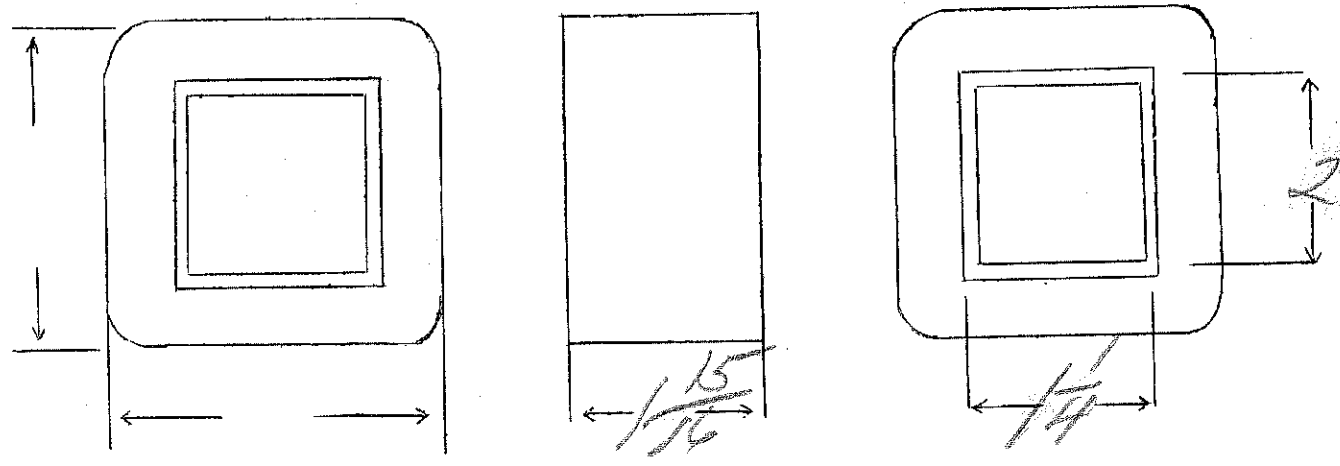
DATE

10/21/37

Ep-115
 E5-800VCT-150ma
 Ep-5V-3amp

Ep-6.3VCT-3amps
 Ep-7.5VCT-4amp
 SPEC. NO. 3594

Winding	SEC SHIELD	PRI	F1	F2	F3	
Turns	1940	140	260	12	15	18
Taps	970				7	9
Wind. Lgth.	1.75	✓	✓	✓		
Wire Size	#30	#30	#20	#18	#18	#19
T.P.L.	140-14		45-6	two layers		
Kind Term.	#20 PPA	W-O.	#20 PPA	WIPE ONLY		
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 20#		50#			
Test Volt.						
Wrapper	11007VC	11007VC	21007EA			21007EA
TUBE	11007-11007VC		IMPREGNATION		VARNISH	
CORE				PRIMARY V.A.		
MOUNTING	A					



DESIGNED BY *GW*

DATE 10/22/37

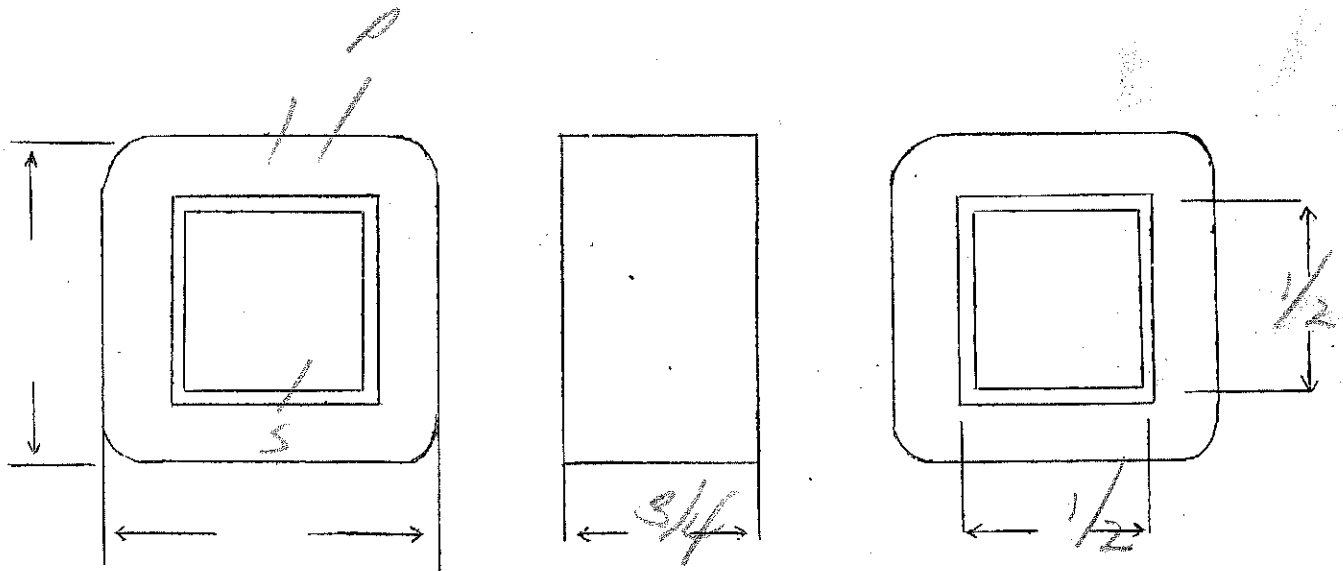
2.5V - 6.3V - 3 amps

22.2

SPEC. NO. 3595

Winding	PRI	FIL					
Turns	56	168					
Taps							
Wind. Lgth.	5/8	5/8					
Wire Size	#23	#26					
T.P.L.	23-3	33-5					
Kind Term.	WIRE	ONLY					
Term. Lgth.	2"	3"					
Layer Insul.	50#	50#					
Test Volt.							
Wrapper	21005GA	21005GA					

TUBE	41007	IMPREGNATION	VARNISH
CORE	1/2 x 1/2 - 2 1/2	PRIMARY V.A.	
MOUNTING	D		



DESIGNED BY *SW*

DATE 10/22/37

$E_p - 105-112-120V$
 $E_f - 2.5V - 6amps$
 $E_f - 2.5V - 6amps$

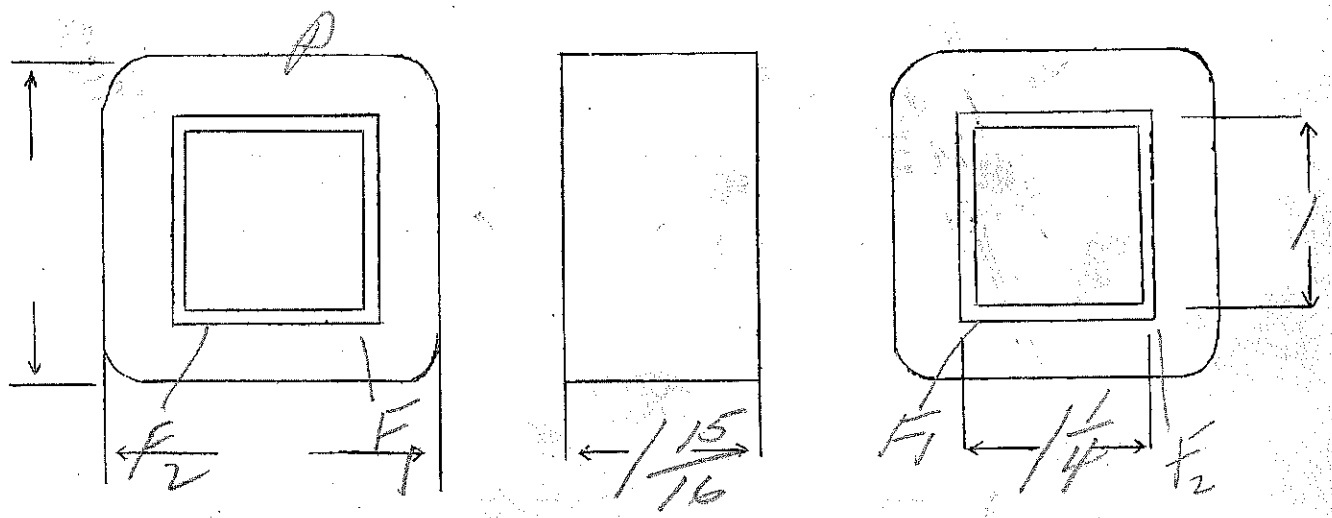
see 7205

10,000V Ins

SPEC. NO. 3596

Winding	VC P	S	S				
Turns	576 482	12	12				
Taps	452	—	—				
Wind. Lgth.	1.75						
Wire Size	#24	double #18	double #18				
T.P.L.	77						
Kind Term.	WIRE ONLY						
Term. Lgth.	6"	6"	6"				
Layer Insul.	50#						
Test Volt.	2500	10,000	0V/1/3				
Wrapper	31007VC 21005GA	31007VC 21007GA	31007VC 21007GA				
TUBE	17007+1400 7VC		IMPREGNATION	VARNISH			
CORE			PRIMARY V.A.				
MOUNTING	J						

end of filament turns to be covered with VC sleeve



DESIGNED BY Gweaver DATE 10/29/37

Auto Transformer

120 - 10.7 - 10.4 - 10.2 - 10.0 - 9.7 (open)

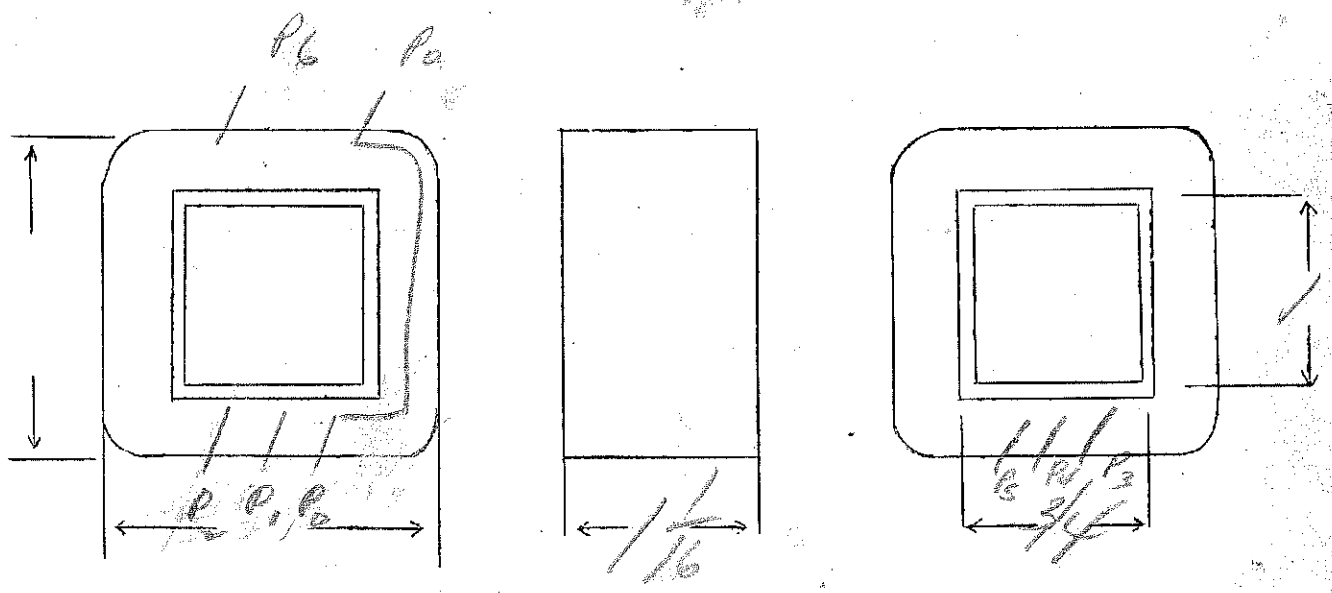
24

N/C 6
E

SPEC. NO.

3597

Winding							
Turns	725	162					
Taps		15 - 30 - 45 - 60					
Wind. Lgth.	1/8						
Wire Size	#29	#23					
T.P.L.	66-11						
Kind Term.	#20 per Br						
Term. Lgth.	9'						
Layer Insul.	30#	40#					
Test Volt.							
Wrapper		20056A					
TUBE	5000			IMPREGNATION	VARNISH		
CORE	34x1			PRIMARY V.A.			
MOUNTING	D						



DESIGNED BY *Jaw*

DATE 10/25/37

Auto Transformer

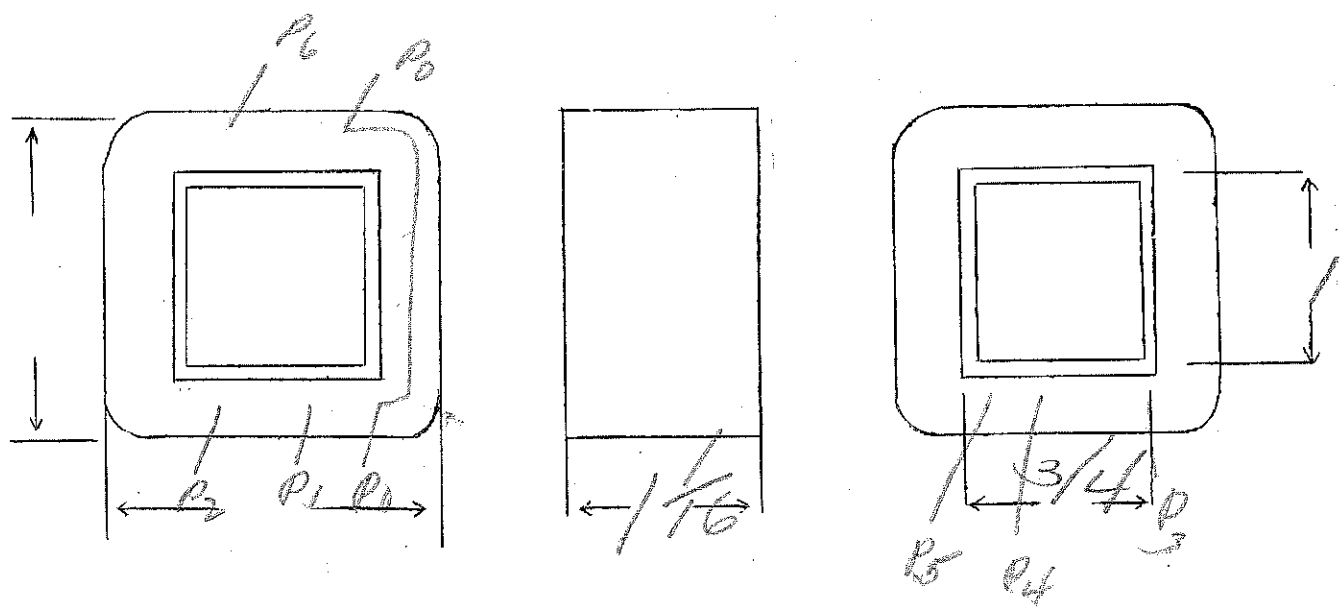
120 - 104 - 100 - 97 - 94 - 91

SPEC. NO. 3598

Continuation 72

Winding	PR1					
Turns	660	210				
Taps		94-65-43-22				
Wind. Lgth.	7/8	7/8				
Wire Size	#29	#24				
T.P.L.	66-20	36-5				
Kind Term.	#20	PR1 B2				
Term. Lgth.	9"	9"				
Layer Insul.	30	50#				
Test Volt.						
Wrapper		210858A				

TUBE	52007	IMPREGNATION	Karnish
CORE	3/4x1-2x224 ^{cm}	PRIMARY V.A.	
MOUNTING	D		



DESIGNED BY

DATE

10/29/37

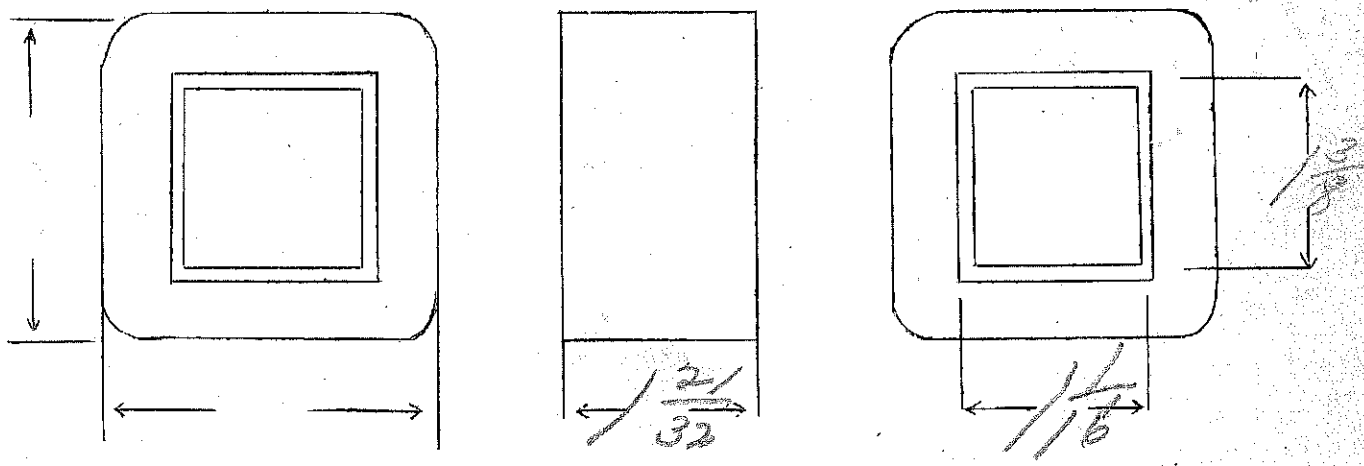
Ep - 115
 Es - 650VCT - 100 ma
 Et - 5V - 2amps
 Ct - 6.3V - 2.7amps CT

SPEC. NO. 3599

Winding	SEC	SHIELD	DR1	F ₁	F ₂		
Turns	2750	154	450	22	27		
Taps	13 75				14		
Wind. Lgth.	11 1/2 13 1/2	✓	✓	✓	✓		
Wire Size	#32	#32	#23	#20	#17		
T.P.L.	154-18		57-8				
Kind Term.	#20 P 13 1/2		#20 P 13 1/2	WIRES	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		50#				
Test Volt.							
Wrapper	16007N	16007N	210050A	210053A	210056A		

TUBE | 7L007 | IMPREGNATION | VARNISH
 CORE | 1 1/16 x 1 3/8 | PRIMARY V.A. |
 MOUNTING A

P120
 F₁ = 5.8
 F₂ = 3.5 3.8
 Sw = 370



DESIGNED BY [Signature] DATE 11/1/37