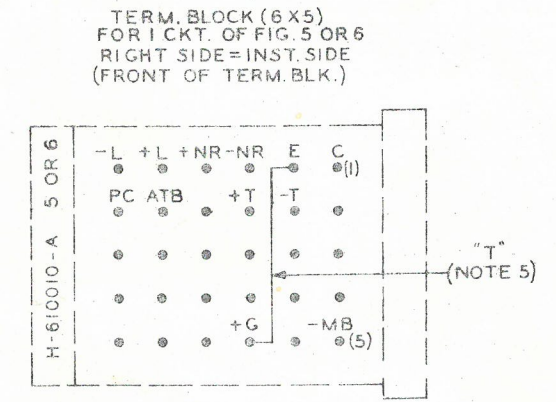
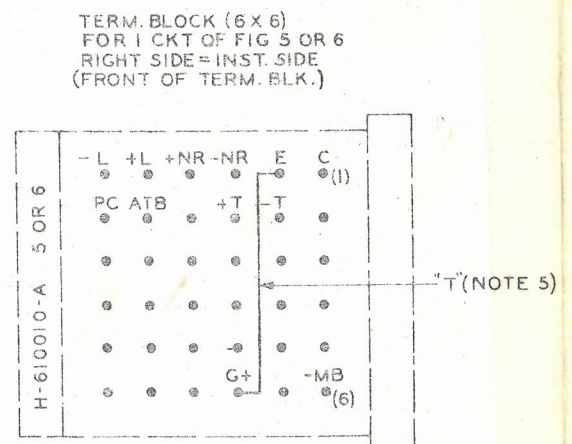
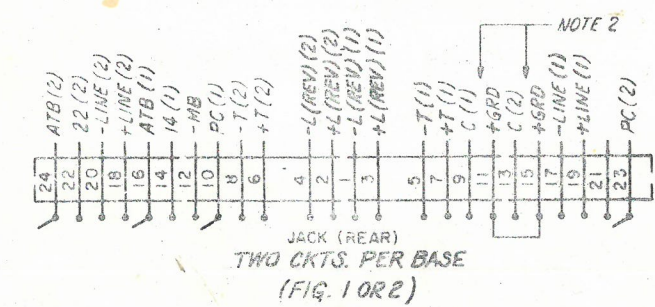
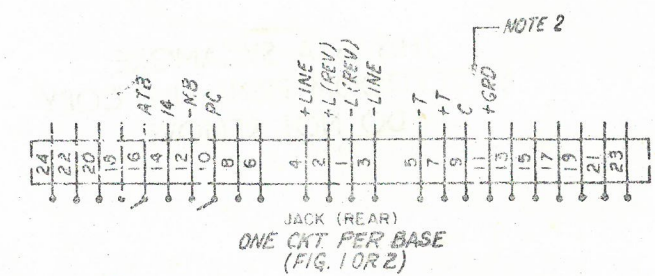
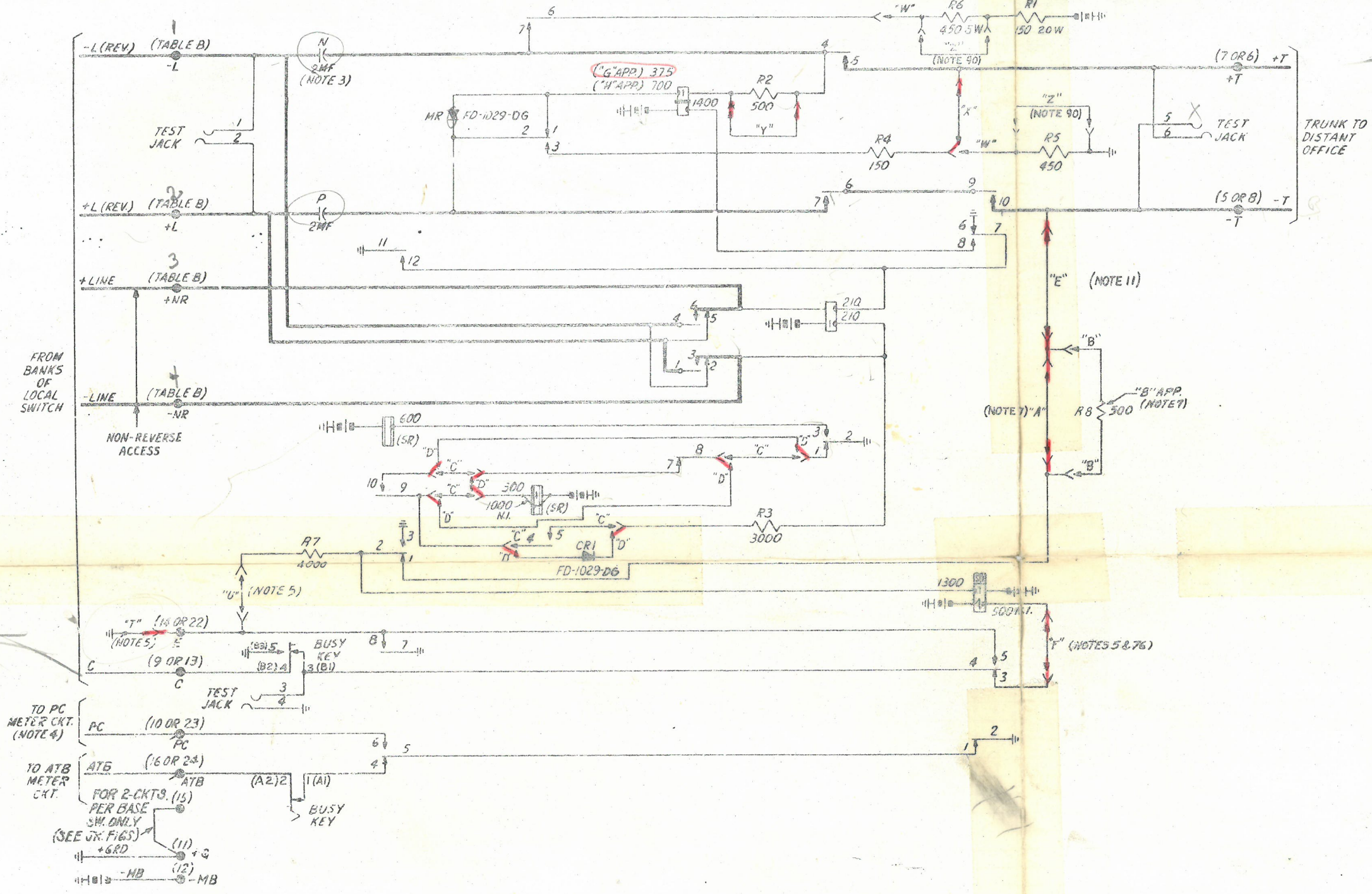


TERM. BLOCK (6 X 5)
FOR 1 CKT. OF FIG. 5 OR 6
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)



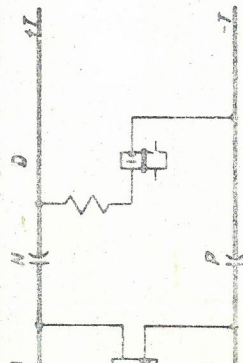
MANUFACTURING NOTES: (CONT'D)

10-SWITCH JACK TERMINALS ARE DESIGNATED BY NUMERALS IN PARENTHESES ().

11-PRIOR TO ISSUE 6, "E" WIRING WAS NOT DESIGNATED, STARTING WITH ISSUE 6, CIRCUIT IS TO BE MANUFACTURED WITHOUT "E" WIRING. ENGINEER SHALL INSTRUCT THE INSTALLER TO ADD "E" WIRING WHEN NEGATIVE LINE BUSY BACK IS REQUIRED. (SEE NOTE 7)

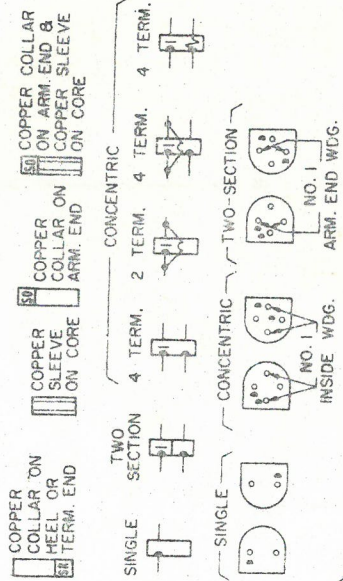
12-ON BUSY KEY, SPRING NUMBERS NOT IN PARENTHESES () ARE FOR BUSY TYPE KEY, AND THOSE IN PARENTHESES () ARE FOR TURN TYPE KEY.

VISION TEST REQUIREMENTS
LOSS BETWEEN 800 OHM LINES



CKT LOSS (DB)			
2.6	H-610010-A		
FOR WHICH INDIV. LOSSES ARE NOT REQ.			
INDIVIDUAL APPARATUS LOSSES (DB)			
DESIG.	MAX. LOSS	MIN. LOSS	
A	0.1		
D	0.2		
P	0.1		
N,P	1.5		11.5

SYMBOLS



INDICATES INSIDE TERMINAL (START OF WINDING)
(SO) SLOW TO OPERATE
(SR) SLOW TO RELEASE
JACK TERMINAL OR TERMINAL ON UNIT TERM. BLOCK
JACK TERMINAL OR UNIT TERM BLOCK TERMINAL (COMMON)

MANUFACTURING NOTES:

1-SPECIFY FIGURES AND SUFFIXES IN ACCORDANCE WITH TABLE A.

2-FIG. 1 OR 2, JACK POINTS 9 & 11 MAKE CONTACT WHEN SWITCH IS REMOVED (1 CIRCUIT PER BASE). FIG. 1 OR 2, JACK POINTS 9 & 11, 13 & 15 MAKE CONTACT WHEN SWITCH IS REMOVED (2 CIRCUITS PER BASE).

3-CAPACITORS N & P ARE MATCHED WITHIN 5% OF EACH OTHER.

4-DUE TO SHORT PEG COUNT METER PULSE THE METER CIRCUIT SHOULD BE PROVIDED WITH A SLOW-RELEASE RELAY. (SEE H-75471-A FIG. 14A OR EQUIVALENT.)

5-ISSUES 1-7, WIRING "F" WAS PART OF CIRCUIT, AND FACTORY ALWAYS USED WIRING "U" (FOR BATTERY-SEARCHING SELECTORS). ISSUES 4-7 DIODE CRI WAS FD-1029-DF. BEGINNING WITH ISSUE 8, FACTORY CHANGS WIRING "AND" "U", AND USER WIRING "T", (FOR ASSEMBLY-OF-GROUND-SEARCHING SWITCH TRAINS).

6-SUFFIX "A" TO BE USED ONLY WHEN TRUNK TERMINATES ON REL. CROSS-PEP EQUIPMENT OR SE CORRECTING REPEATER THAT REQUIRES A LOOP PULSE.

7-PRIOR TO ISSUE 2, "A" WIRING WAS NOT DESIGNATED AND "B" WIRING & APPARATUS WERE NOT SHOWN. BEGINNING WITH ISSUE 2, "B" WIRING & APPARATUS BECAME PART OF CIRCUIT. ENGINEER SHALL INSTRUCT INSTALLER TO CUT STRAP "A" WHEN THE RESISTANCE OF SINGLE TRUNK CONDUCTOR IS LESS THAN 500 OHMS.

8-PRIOR TO ISSUE 3, FIGURE 1 WITH 2 CIRCUITS PER BASE WAS CALLED FIGURE 3, AND FIGURE 2 WITH 2 CIRCUITS PER BASE WAS CALLED FIGURE 4. SWITCHES STILL ARE MADE BOTH 1 CIRCUIT/BASE AND 2 CIRCUITS/BASE, BUT BEGINNING WITH ISSUE 3, IT IS THRU THE PIECE NUMBER ORDERED THAT THE ORDERER SPECIFIES THE NUMBER OF CIRCUITS PER BASE.

9-PRIOR TO ISSUE 4, WIRING "C" WAS PART OF CIRCUIT. WIRING "D" SUPERSEDES WIRING "C".

INSTALLING NOTES:

76- IF PRECEDING SELECTORS ARE BATTERY-SEARCHING, REMOVE "T" WIRING, AND ADD WIRINGS "E" & "U".

OPERATING NOTES:

90-WHEN LOCAL PULSE-REPEATING TEST SET SUCH AS H-663339-1 (CIRCUIT H-65369) IS USED, ADD OR REMOVE STRAPS Z AS MAY BE FOUND NECESSARY TO PASS LOCAL PULSE-REPETITION TEST.

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DO NOT REMOVE

WORKING LIMITS AT 46V.

MAX. TRK. LOOP RESISTANCE	
INCOMING	1200 OHMS
OUTGOING	3000 OHMS
MIN. INS. RESISTANCE	
INCOMING	15000 OHMS (1000-OHM LOOP)
OUTGOING	30000 OHMS (1200-OHM LOOP)

CURRENT DRAIN DATA AMPS.
HOLDING CURRENT 0.22

STOCKLIST	
DH-610010-A73	(FIG. 6)
DH-610010-A72	(FIG. 5)
DH-610010-A70	(FIG. 6)
STOCKLIST	
DH-610010-A48	(FIG. 1) (2CKTS.)
DH-610010-A47	(FIG. 1)
DH-610010-A46	(FIG. 2) (2CKTS.)
DH-610010-A45	(FIG. 2)
STOCKLIST	
RLDH-610010-A43	(FIG. 4)
RLDH-610010-A42	(FIG. 3)
RLDH-610010-A41	(FIG. 2)
RLDH-610010-A40	(FIG. 1)
JL-610010-A	

MFG. DISC.

ASSOCIATED DRAWINGS		
DRAWING NO.	ISS	DESCRIPTION
AH-610010-A	6	ADJUSTMENT
E-610010-A	4	EXPLANATION

DESIGNED L.L. SMITH AUTG. ELEC. LABS. INC.		OR T.J.			
APP'D. M.E. GRIFFINS		OK. K.V.			
SCALE: 1"=2'-6"		DATE: 9-21-61			
THIS DRAWING IS THE PROPERTY OF AUTOMATIC ELECTRIC COMPANY. IT IS TO BE USED FOR THE DESIGN AND CONSTRUCTION OF THE EQUIPMENT SPECIFIED HEREON. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AUTOMATIC ELECTRIC COMPANY. ANY VIOLATION OF THIS NOTICE WILL BE CONSIDERED A VIOLATION OF THE PATENT RIGHTS OF AUTOMATIC ELECTRIC COMPANY.					
FOR THE U.S. GOVERNMENT TO USE HEREIN THAT IT IS HEREBY GRANTED BY AUTOMATIC ELECTRIC COMPANY.					
CONTRACT WITH THE GOVERNMENT UNDER WHICH THIS DRAWING IS OBTAINED.					
H-610010-A		OUTGOING TRUNK CKT. AUTO TO AUTO BATTERY & GROUND OR LOOP PULSING 1 OR 2 CIRCUITS PER BASE			
H-610010-A		H-610010-A			
SHEET 1 OF 2		D			
AUTOMATIC ELECTRIC COMPANY NORTH LAKE, ILL., U.S.A. © GENOA, ILL., U.S.A. O WAKESHA, WISC., U.S.A. O					

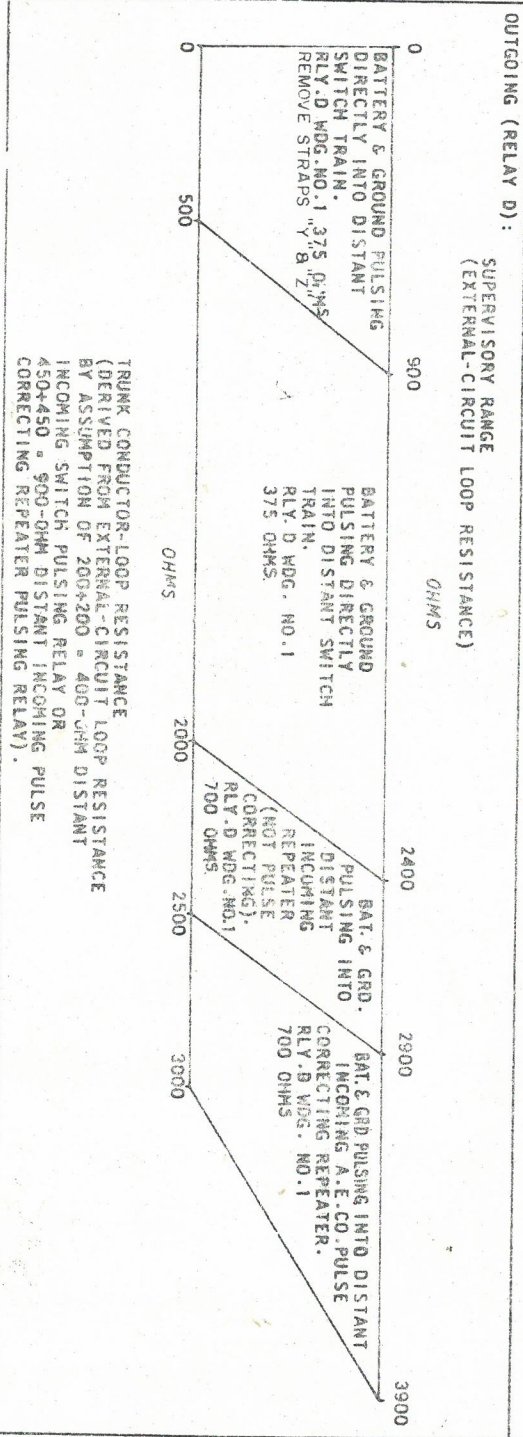
TABLE A (NOTE 8)									
SPECIFY	OPTION				FEATURE				
FIG.	SUF	"G" APP.	"H" APP.	"W" WRG.	"X" WRG.	"Y" WRG.	"Z" WRG.		
	A			*				LOOP PULSING TRUNK (NOTE 6)	
	B				*			BATTERY & GROUND PULSING TRUNK	
1	*				*			OUTGOING AUTO. TO AUTO. TRUNK FOR INTER-OFFICE TRK. LOOP RESISTANCE 0-2000 OHMS. (JACK MOUNTED)	
2	*			*	*			OUTGOING AUTO. TO AUTO. TRUNK FOR INTER-OFFICE TRK. LOOP RESISTANCE 1800-3000 OHMS. (JACK MOUNTED)	
3				*	*			SAME AS FIGURE 1, EXCEPT -2 CIRCUITS PER BASE	
4				*	*			SAME AS FIGURE 2, EXCEPT -2 CIRCUITS PER BASE	
5	*			*	*			OUTGOING AUTO. TO AUTO. TRUNK FOR INTER-OFFICE TRUNK LOOP RESISTANCE 0-2000 OHMS. (UNIT MOUNTED)	
6				*	*			OUTGOING AUTO. TO AUTO. TRUNK FOR INTER-OFFICE TRUNK. LOOP RESISTANCE 1800-3000 OHMS. (UNIT MOUNTED.)	

TRA (1000 CM)	
-L	
MAX ALLOW	
ALLOWED	
APPARATI	
RELAY 20/2	
RELAY 375	
RELAY 389.5	
CORRECTOR 2	

TABLE B
JACK POINTS FOR LINE LEADS

CIRCUITS PER BASE	REV. BAT. LEADS				NON-REV. BAT. LEADS			
	CKT. 1	JACK POINT	CKT. 2	JACK POINT	CKT. 1	JACK POINT	CKT. 2	JACK POINT
1	+L	1			+LINE	3		
2	+L	1	+L	2	+LINE	19	+LINE	19

INCOMING (RELAY A):
MAXIMUM EXTERNAL-CIRCUIT LOOP RESISTANCE
FOR SEIZURE 2375 OHMS
FOR LOOP PULSING 1500 OHMS
FOR BAT. & GRD. PULSING 2375 OHMS



OPTION FI	
UR	
A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	