

SD-62404-01

BELL TELEPHONE LABORATORIES, INC.

TOLL SYSTEMS
TELEPHONE REPEATER
2 WIRE
LINE AND BALANCING
KEY SHEET

DWG. ISS.	C.D. ISSUE	DATE OF ISSUE	APPROVED	
1	1	5-2-28	B.W.K. F	S.P.S. 6-11-28
2	+2	10-16-28	B.W.K. F	W.E.D. 1-26-31
3	+3	5-8-30	B.W.K. W	W.E.D. 1-26-31
4	+4	7-7-30	B.W.K. M	W.E.D. 1-26-31
5	+5	11-17-30	B.W.K. J	W.E.D. 1-26-31
6	+6	1-26-31	B.W.K. J	W.E.D. 2-24-31
7	7	6-30-31	B.W.K. M	S.P.S. 10-20-33
8	8	12-1-31	B.W.K. M	S.P.S. 10-20-33
9	9	11-2-32	B.W.K. M	S.P.S. 10-20-33
10	10	11-1-34	R.S.W. J	W.E.D.
11	11	3-17-36	F.J.S. I	D.L.M.
12	12	9-22-39	W.L.F. I	D.C.M.
13	13	8-25-41	W.L.F. I	D.C.M.

INDEX

PAGE	TITLE	PAGE
	BATTERY SUPPLY AND ASSOCIATED CIRCUITS(MFR. DISC)	-6
	CURRENT DRAIN FOR CIRCUITS	-13
	ECHO SUPPRESSORS (MFR. DISC)	-12
	LINE AND BALANCING EQUIPMENT:	
	NO. 16 AND 19 GAUGE CABLE CIRCUITS	-10
	OPEN WIRE LINES WITHOUT CARRIER	-8
	OPEN WIRE LINES WITH CARRIER	-9
	5A PILOT WIRE REGULATING SYSTEM (MFR. DISC)	-7
	TELEPHONE REPEATER (MFR. DISC)	
	22 TYPE -A-C OPERATION	-5
	22 TYPE -MISCELLANEOUS USES	-11
	22 TYPE -TERMINAL OPERATION	
	TOLL SWBD. NO. 3C OR NEW NO. 3 OR 11	-2
	ALL SWBDS. EXCEPT NO. 3C OR NEW NO. 3 OR 11	-3
	22 TYPE - THRU LINE OPERATION	-1
	22A1-CORD CKT. OPERATION-TOLL SWBD.NO. 1 OR 2	-4
	TESTING AND MAINTENANCE CIRCUITS	-12
	TOLL CONFERENCE SERVICE (MFR. DISC)	-12

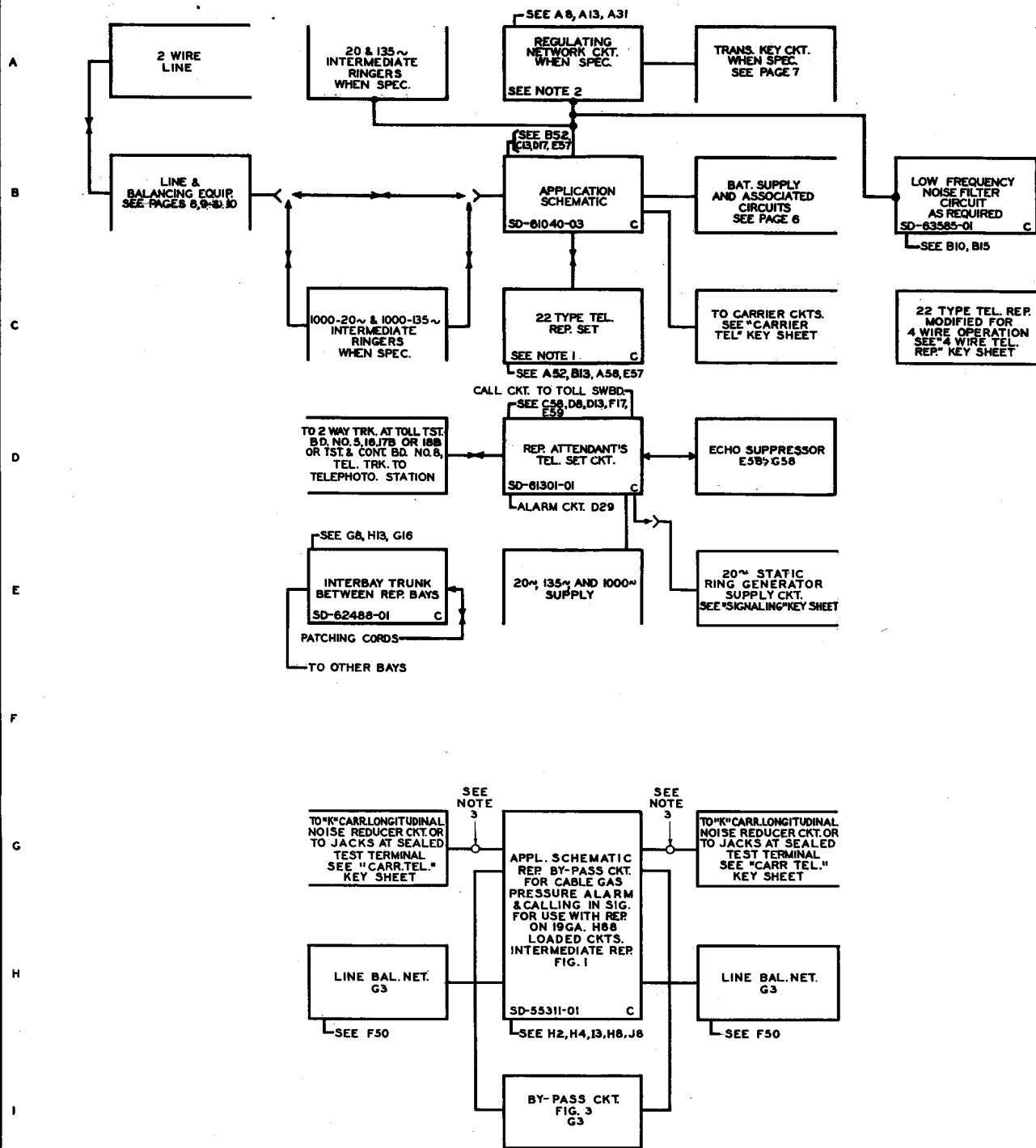
PRINTED IN U.S.A.

AT&TCO
STANDARD
MFR.DISC.FOR TEL.REP

REPLACING SD-64102-01 FOR TESTING AND MAINTENANCE.

SD-62404-01

J. J. DARMODX

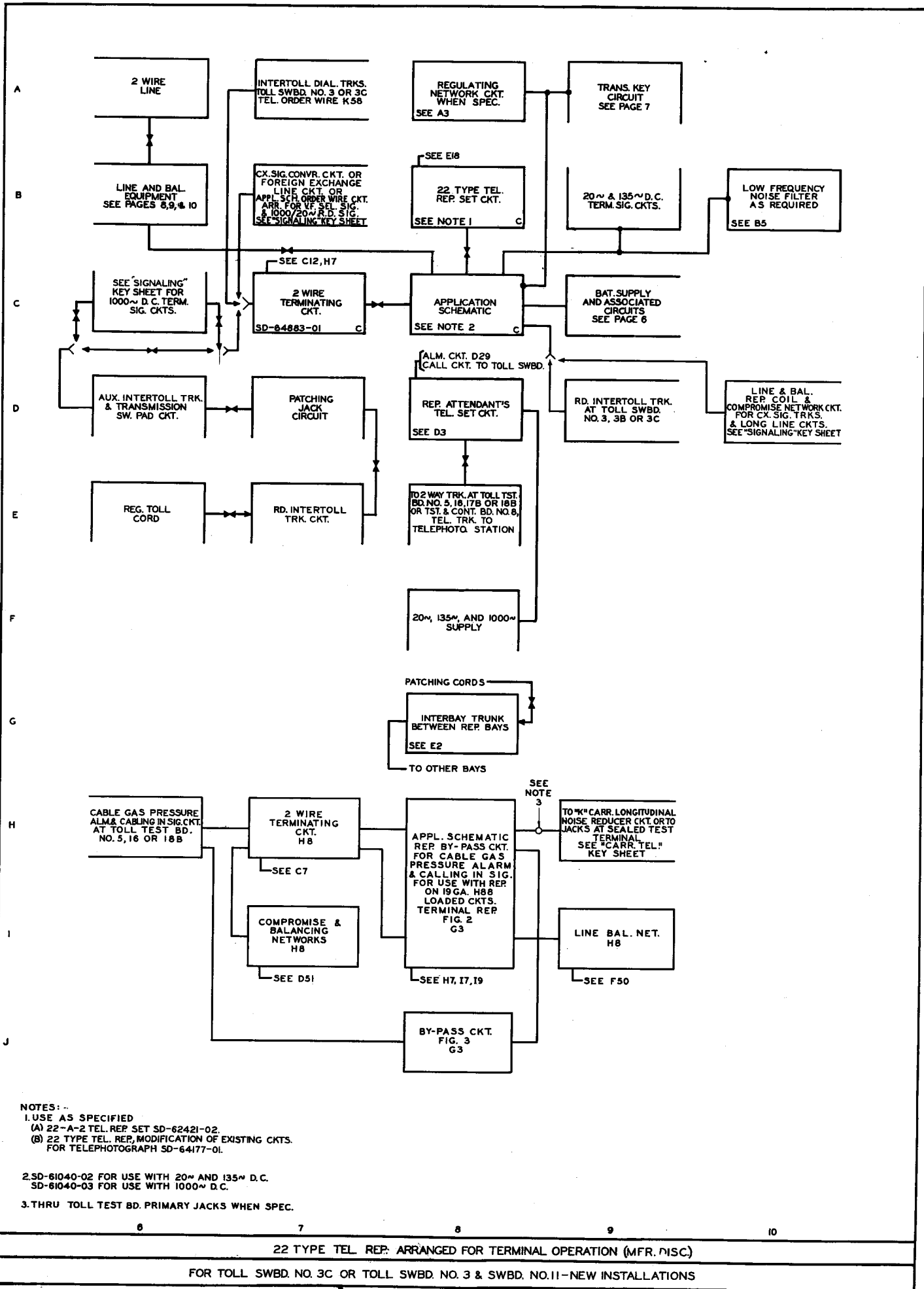


NOTES:

1. USE AS SPECIFIED:
 - (A) 22-A-2 TEL. REP. SET SD-62421-02.
 - (B) 22 TYPE TEL. REP. MODIFICATION OF EXISTING CKTS. FOR TELEPHOTOGRAPH SD-64177-01.

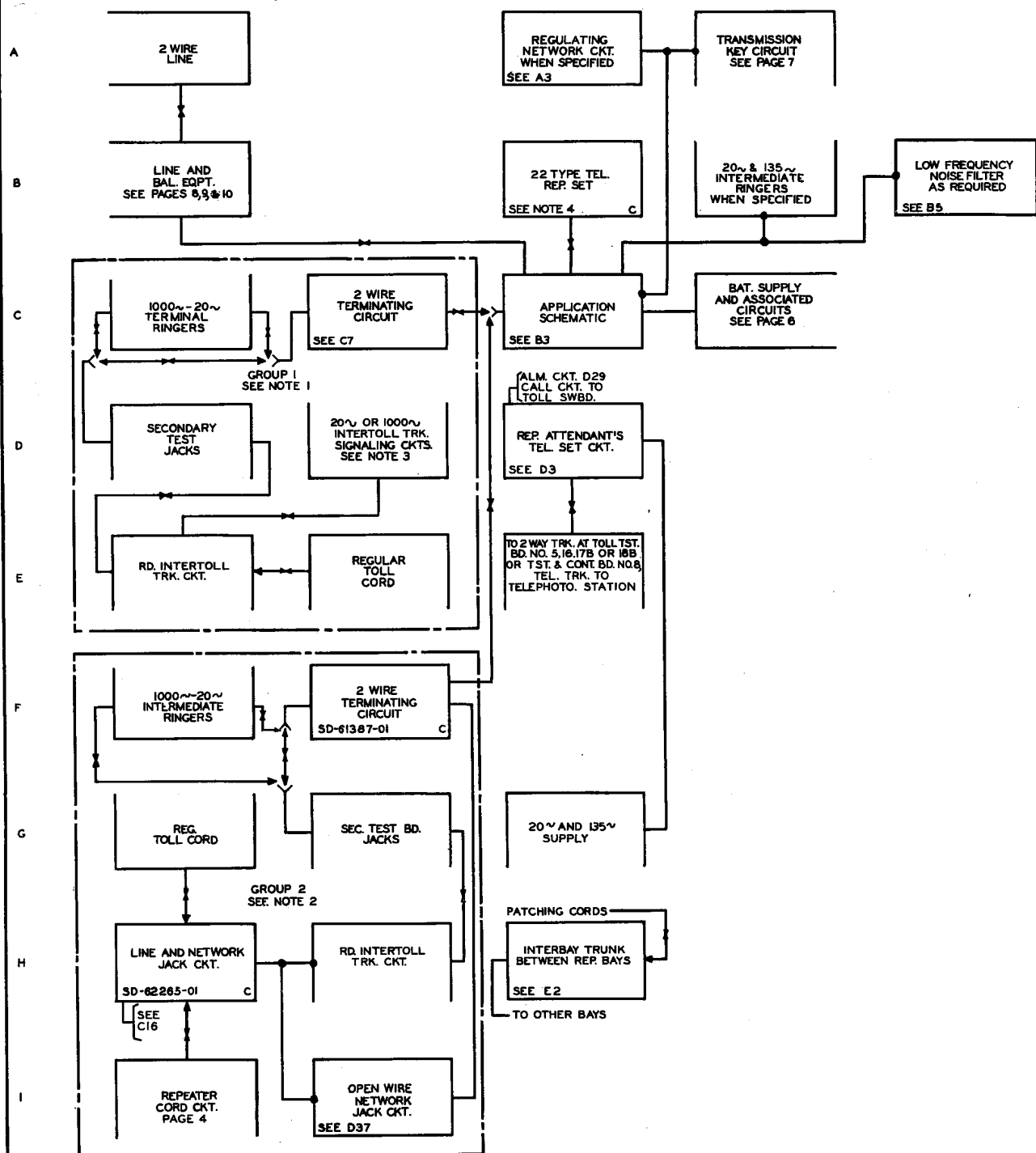
2. FOR 16 GAUGE H-25-P AND H-44-S CABLE CIRCUITS AND 19 GAUGE B-50-P, B-88-S, H-174-S, H-83-P AND H-106-P CABLE CIRCUITS USE SD-62757-02. FOR 19 GAUGE H-88-S AND H-50-P CABLE CIRCUITS USE SD-62757-03.

3. THRU TOLL TEST BD. PRIMARY JACKS WHEN SPEC.



NOTES:-

1. USE AS SPECIFIED
- (A) 22-A-2 TEL. REP. SET SD-62421-02.
- (B) 22 TYPE TEL. REP. MODIFICATION OF EXISTING CKTS. FOR TELEPHOTOGRAPH SD-64177-01.
2. SD-61040-02 FOR USE WITH 20V AND 135V D.C.
- SD-61040-03 FOR USE WITH 1000V D.C.
3. THRU TOLL TEST BD. PRIMARY JACKS WHEN SPEC.

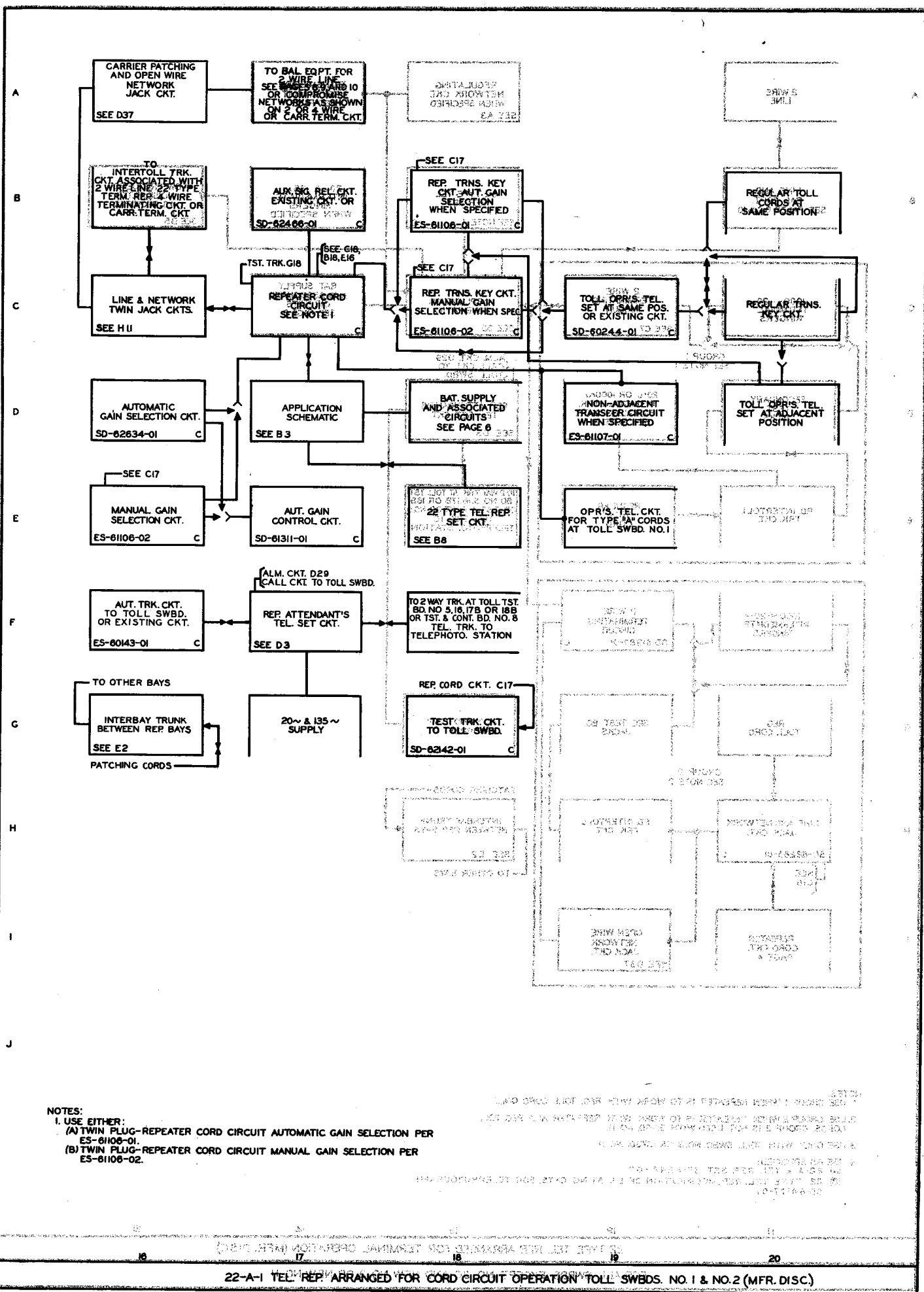


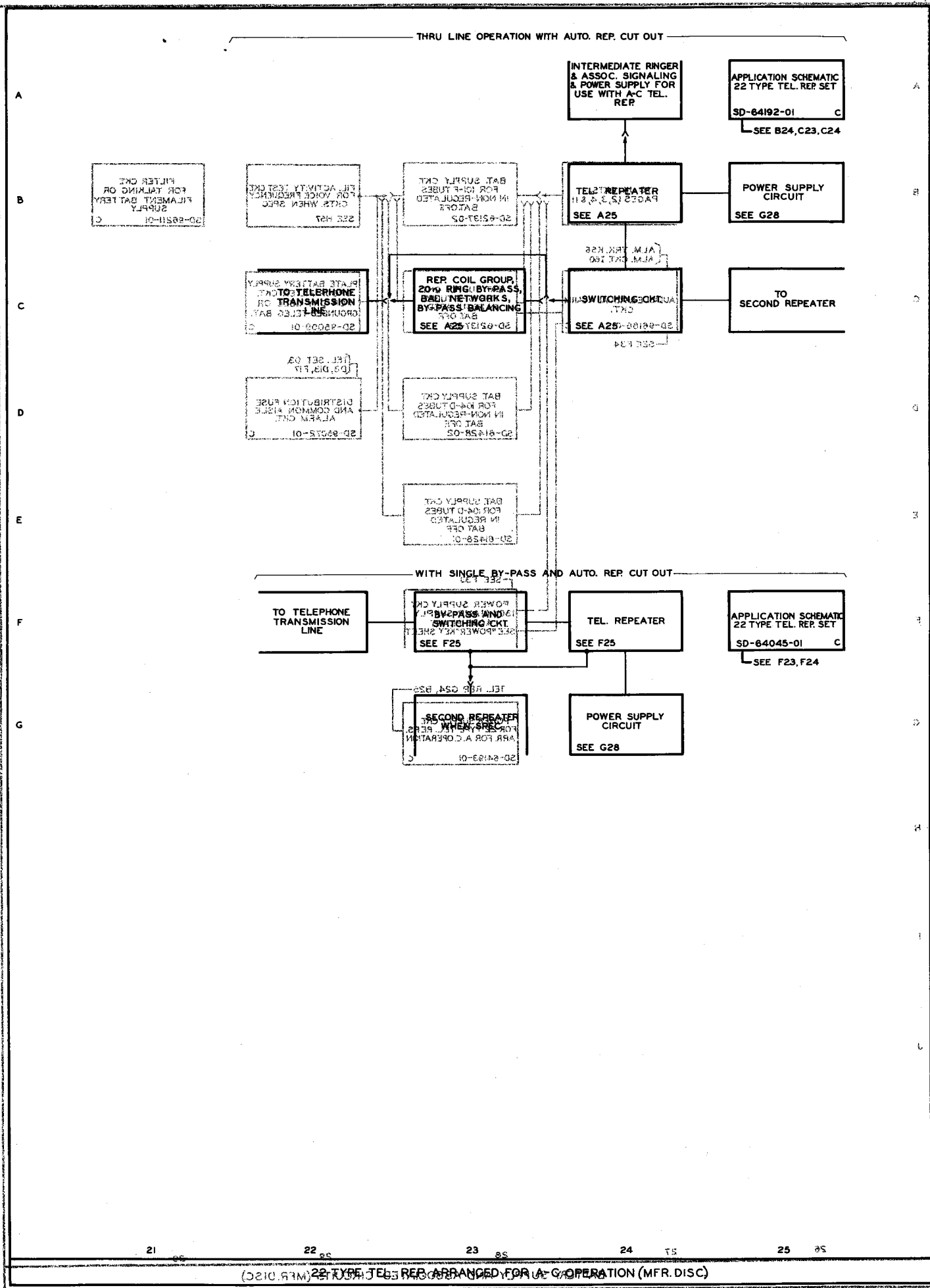
NOTES:

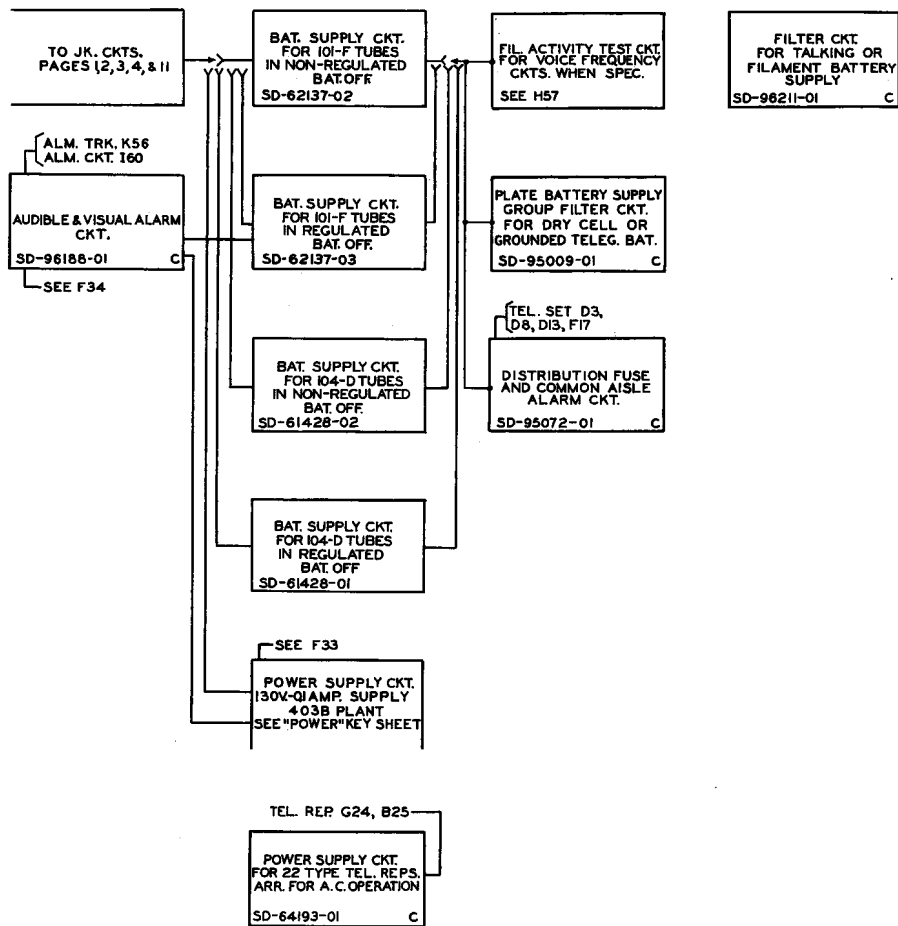
1. USE GROUP 1 WHEN REPEATER IS TO WORK WITH REG. TOLL CORD ONLY.
2. USE GROUP 2 WHEN REPEATER IS TO WORK WITH REPEATER AND REG. TOLL CORDS. GROUP 2 IS NOT USED WITH SWBD. NO. 11.
3. USE ONLY WITH TOLL SWBD. NO. 3 OR SWBD. NO. 11
4. USE AS SPECIFIED:
 - (A) 22-A-2 TEL. REP. SET SD-62421-02.
 - (B) 22 TYPE TEL. REP. MODIFICATION OF EXISTING CKTS. FOR TELEPHOTOGRAPH SD-64177-01.

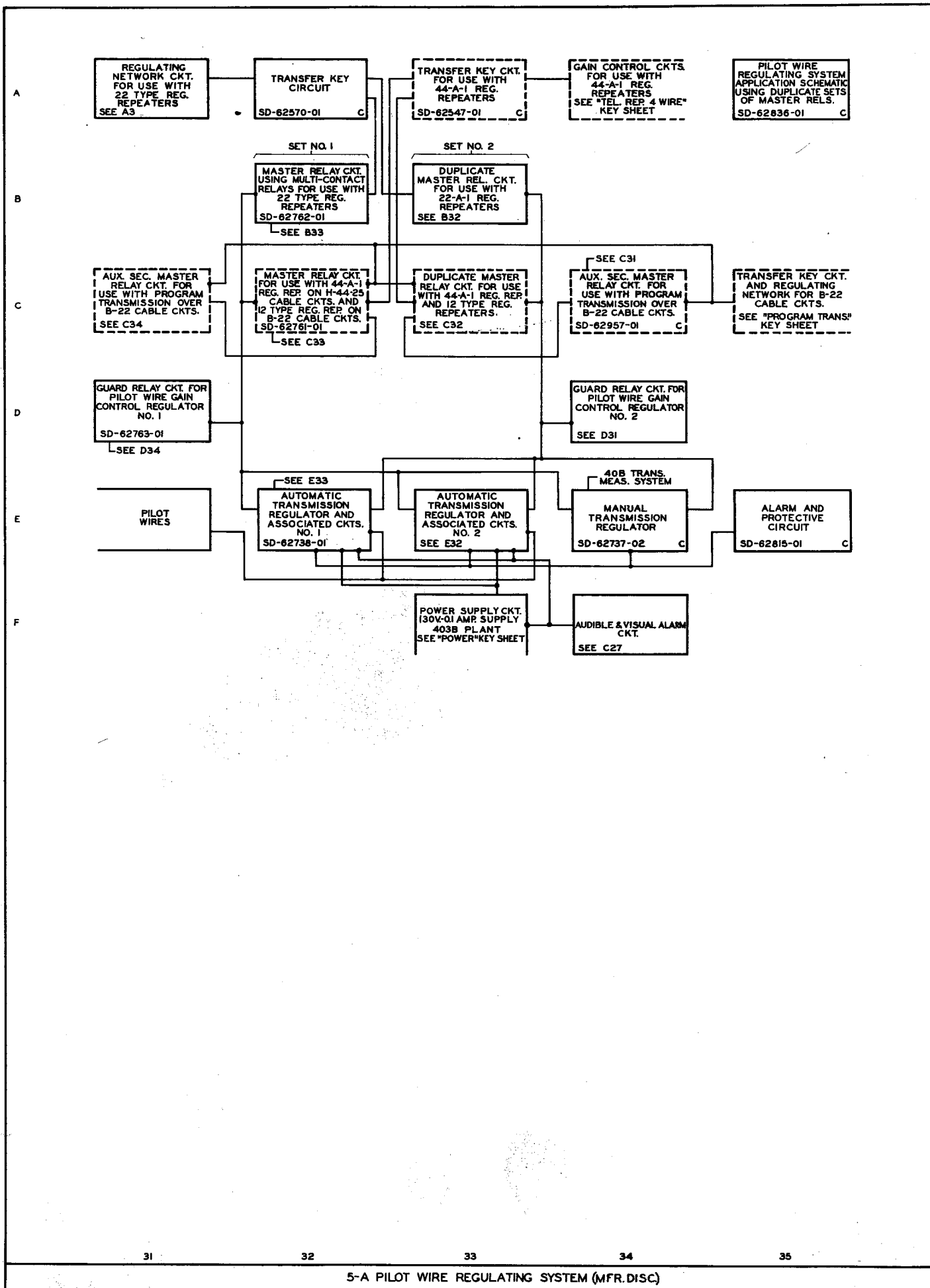
22 TYPE TEL. REP. ARRANGED FOR TERMINAL OPERATION (MFR. DISC)

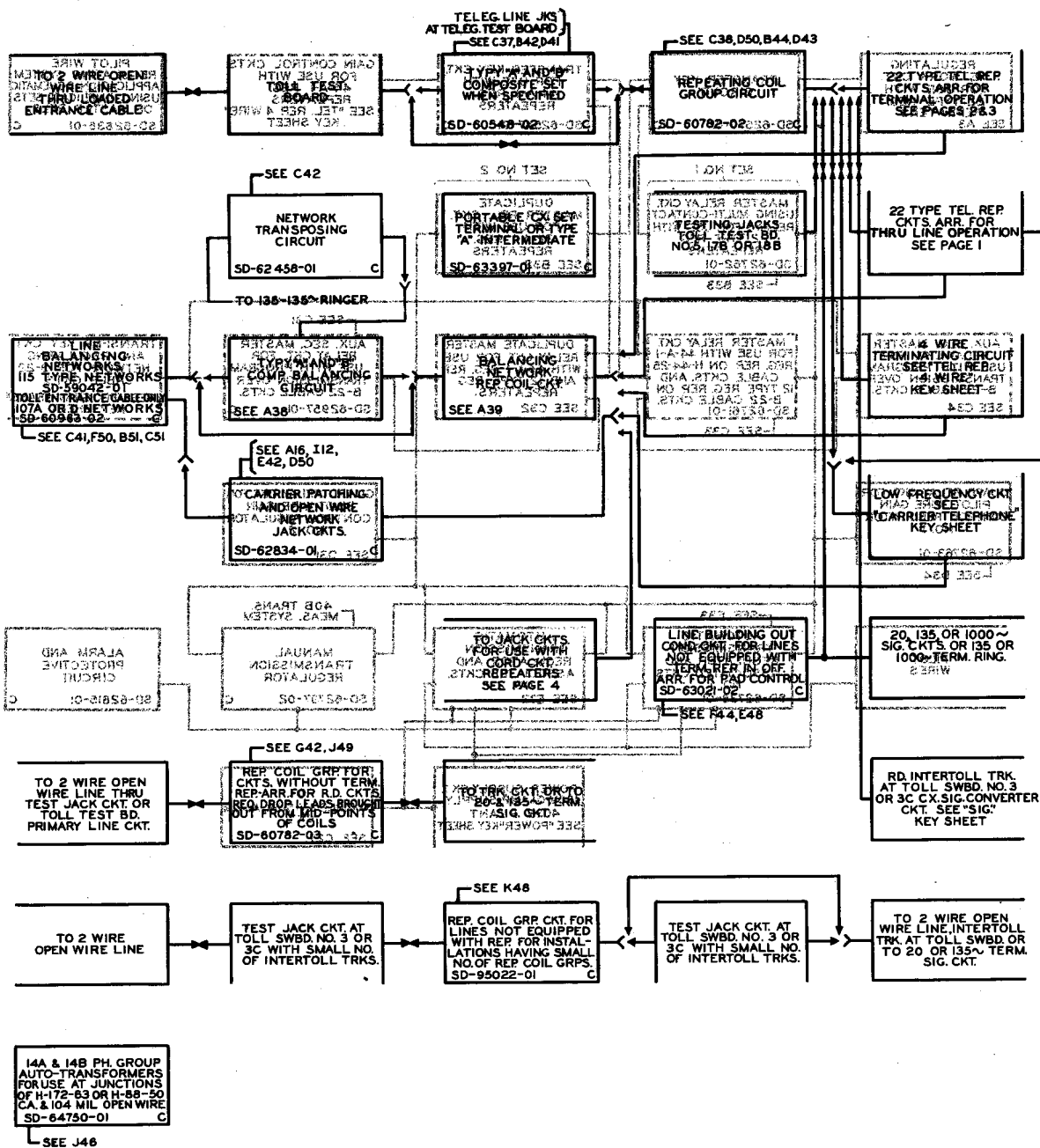
FOR ALL SWBDS. EXCEPT NO. 3C AND NEW NO. 3 OR NEW NO. 11

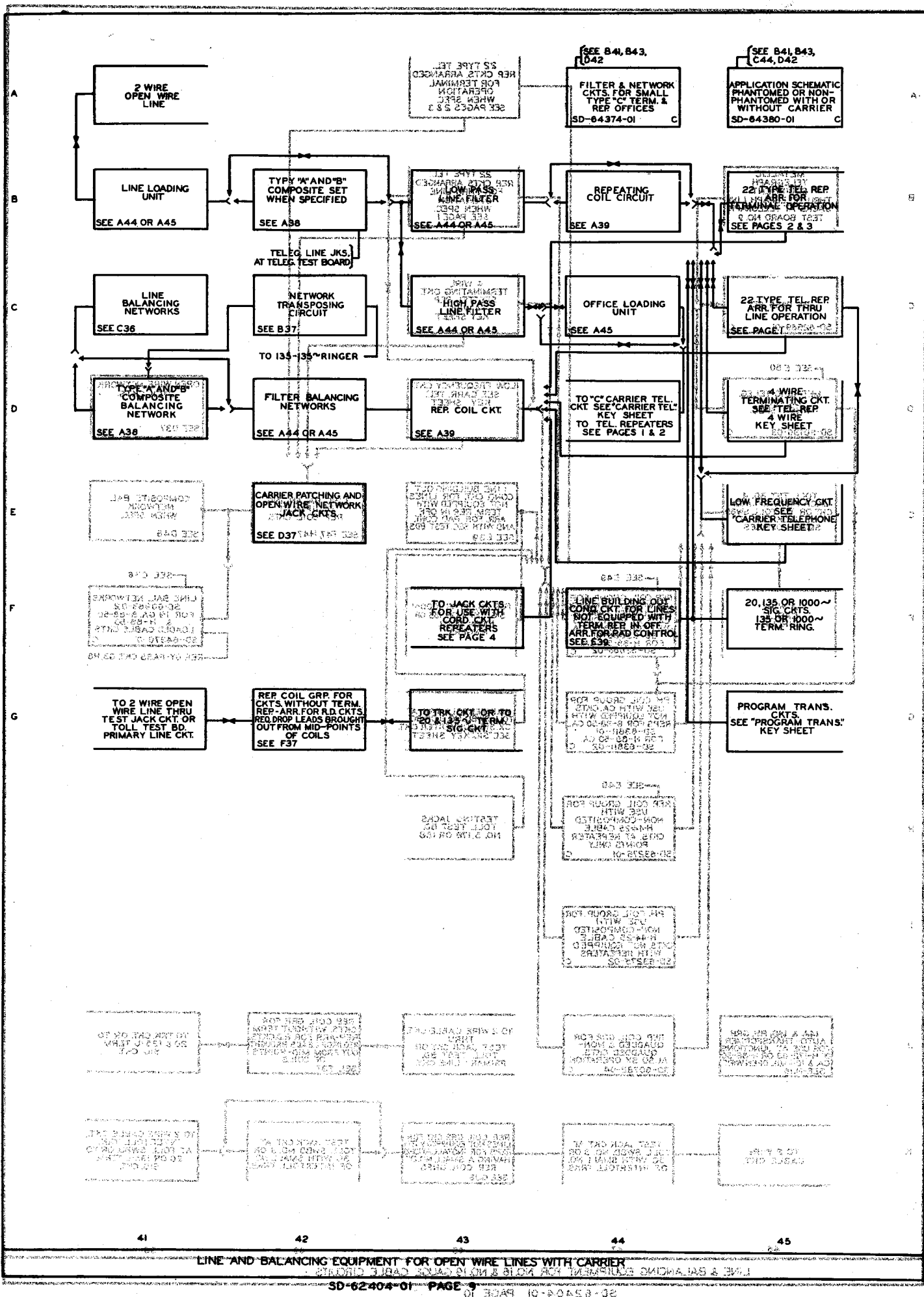


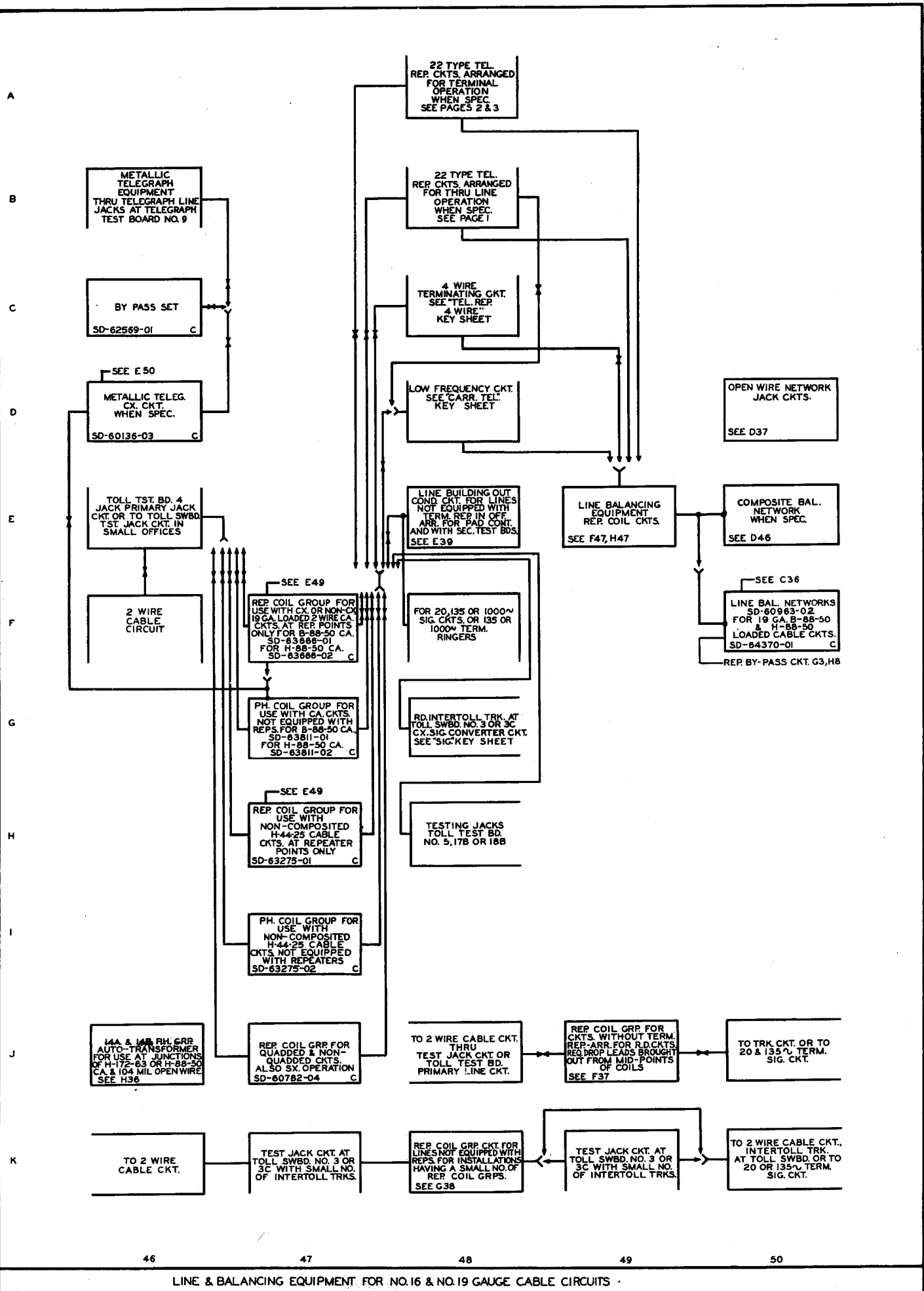


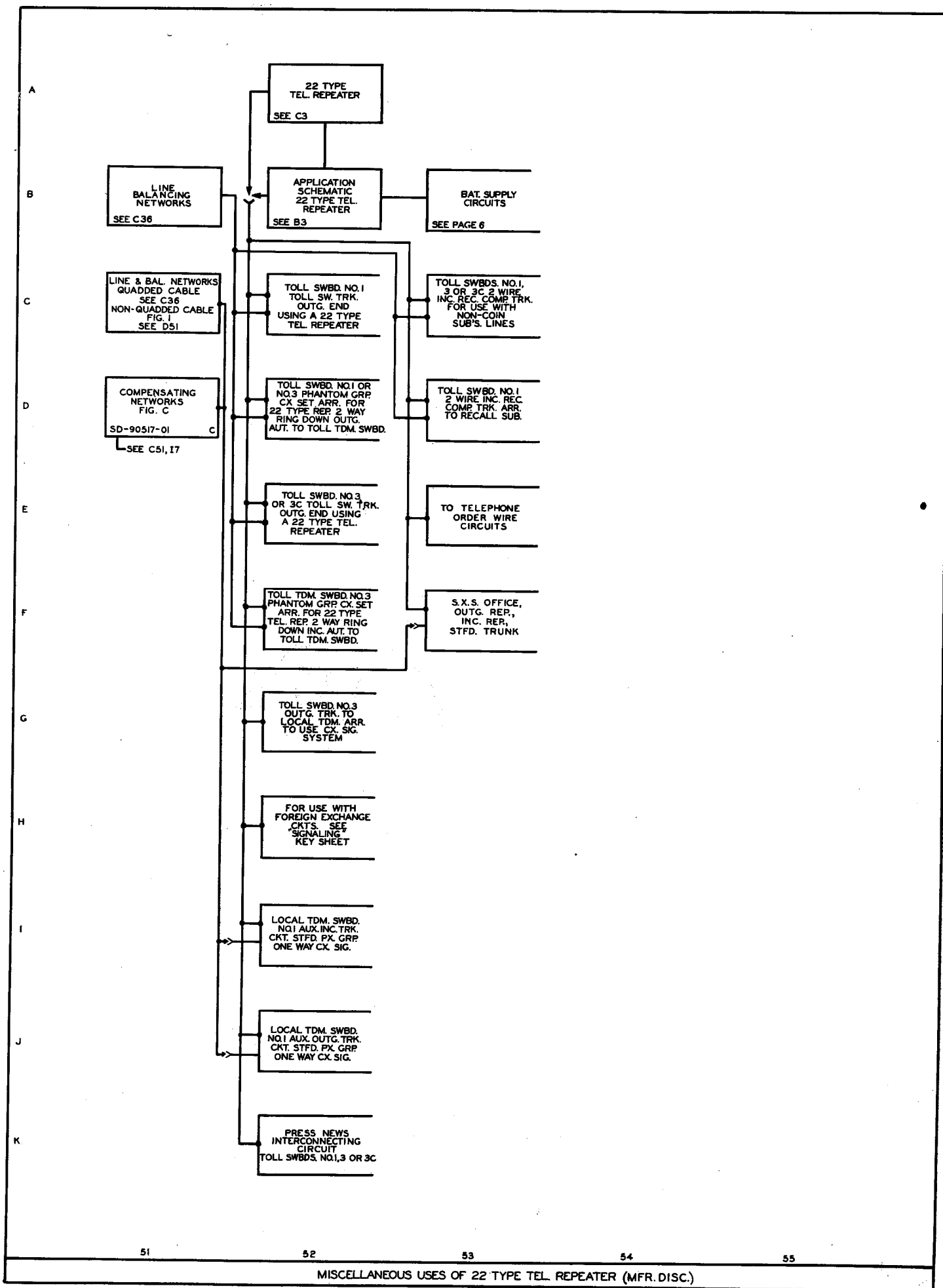


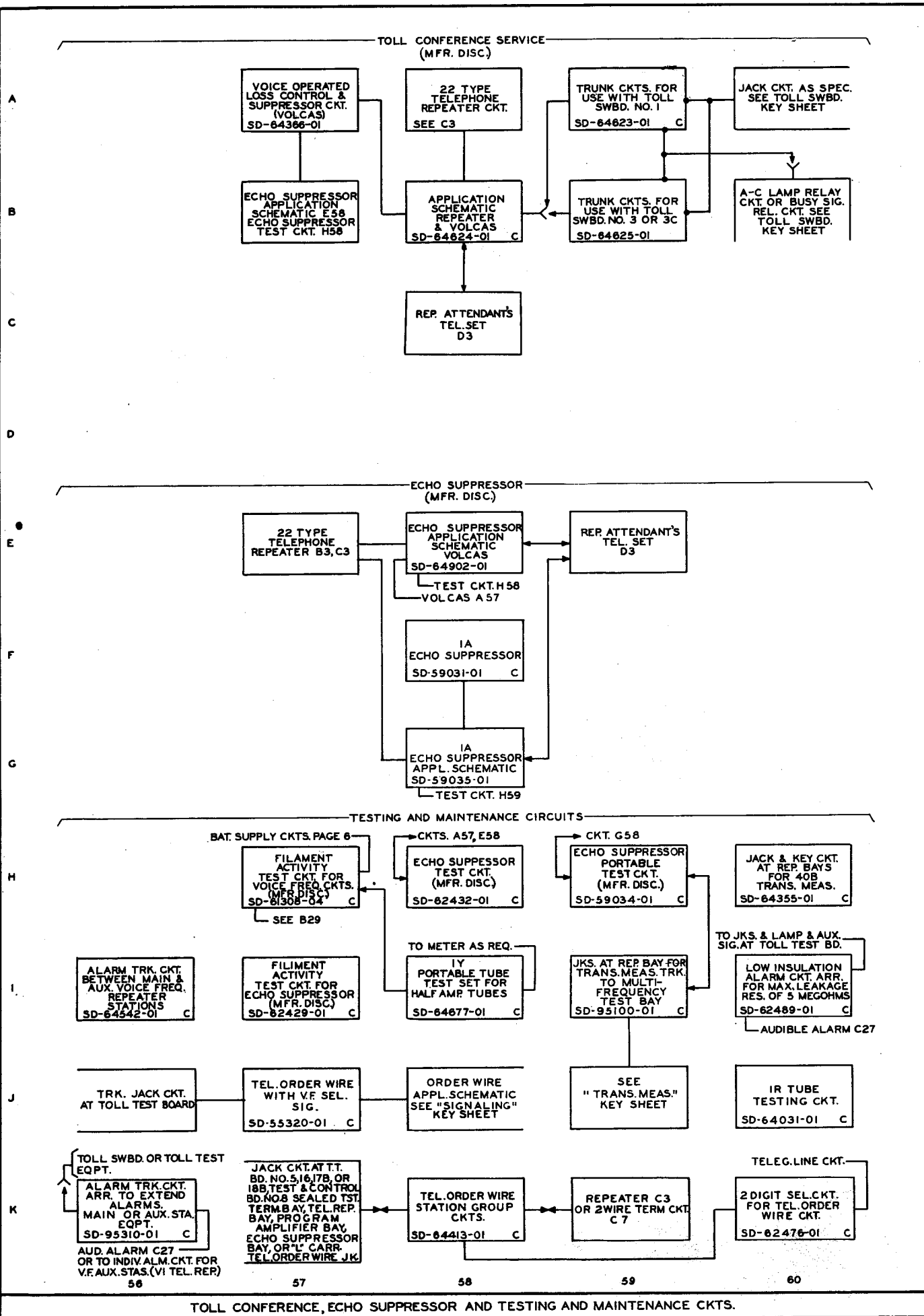












CURRENT DRAIN
AMPERE HOURS PER BUSY HOUR

CIRCUIT DRAWINGS		SEE NOTE NO.	REMARKS	DRAINS LIST 1 AND LIST 2											
CIRCUIT TITLE	CIRCUIT NO.			130V. PLT.		48V. BAT.	48V. GRD.		24V. BAT.		24V. GRD.				
				BAT.	GRD.		R. R.	F. B.	SIG.	FIL.	FIL.	R. R.	F. B.	SIG.	
BATTERY SUPPLY	SD-61428-01			.088						1.0	1.0				
" "	SD-61428-02			.044						1.0	1.0				
" "	SD-62137-02			.024					.010	0.5	0.5			.010	
" "	SD-62137-03			.024					.016	0.5	0.5			.016	
ECHO SUPPRESSOR	SD-64902-01		SEE VOLCAS SD-64368-01												
ECHO SUPPRESSOR - 1A	SD-59035-01		24V. REG. BAT. OFF.	.010					.096	.640		.096	.630		
			24V. NON REG. BAT. OFF.	.010					.096	.850		.096	.840		
GUARD RELAY	SD-62763-01								.082						
PILOT WIRE - MASTER RELAY	SD-62761-01		PER SET OF PRI. REIS. - FIG. 1						.040						
			" " " SEC. " - FIG. 2						.840			1.440			
PILOT WIRE - MASTER RELAY	SD-62762-01		PER SET OF PRI. REIS. - FIG. 1						.040						
			" " " SEC. " - FIG. 2						.840			1.640			
PILOT WIRE - REGULATOR	SD-62738-01			.025					.585			.330	.400		
REGULATING NETWORK	SD-62757-02								.100						
" "	SD-62757-03								.100						
TRUNK CKT. - CONFERENCE	SD-64625-01		FIG. 1						.093			.106			
			FIG. 2						.160			.185			
			FIG. 5						.018			.031			
			FIG. 6						.017			.030			
VOLCAS	SD-64366-01		GRD. AT FUSE BD.	.051					.640	.589					
						</									