

BASIC AND SUPPLEMENTARY MODULES

CONNECTIONS

701PK PBX

1. GENERAL

1.01 Connections for the 100-line basic module of the 701PK PBX system consists primarily of terminating the house and feeder cables, the 552D or 608A switchboard cables as required, power cables, and jumper cross-connections of the various line, trunk, and miscellaneous circuits. The supplementary 100-line module requires additional connection of the plug-ended intermodular selector bank multiple, line finder bank multiple, and power cables provided to tie the two modules together.

1.02 The connection tables in this section have been prepared to serve three purposes:

- (a) To provide connection information.
- (b) To provide assignment forms for local cross-connection and cabling requirements.
- (c) To provide permanent records of cross-connections and cabling.

Local reproduction of the connection tables may be required if they are used for assignment forms or permanent records.

1.03 The terminal blocks on the distributing frame are identified in this section as Fig. A, B, C, etc. to conform to the figures shown on the specification drawing. Since these terminal blocks are not identified with factory stenciling, it is recommended that the A, B, C, etc. designations be placed on the terminal blocks in accordance with local instructions.

1.04 Trunks of the 701PK PBX system are furnished wired to function with a 552D switchboard. When a 608A switchboard is used or when other individual office features are re-

quired, make wiring changes locally in accordance with Table V.

1.05 For 552D or 608A switchboard connections, see Section 536-522-212 or Section 538-080-212, respectively.

1.06 Check all plugs and connectors of the various cables for bent or damaged pins prior to connection.

1.07 All initial connections should be made prior to placing module cabinets.

2. CONNECTIONS

2.01 Table A together with Figures 1 and 2 provide a sequence for placing and connecting the various cables which may be required for connecting the basic and supplementary modules of the 701PK PBX system.

2.02 Figure 3 provides a half tone of the distributing frame showing the general pattern of the jumper cross-connections between the two modules and the switchboard and feeder cables.

2.03 Connection Tables B through V are self-explanatory. The connections illustrated are typical examples only to be used as a guide in preparing cross-connection assignments to meet local conditions and traffic requirements.

2.04 Since the 701PK PBX may be connected to various combinations of 608A or 552D switchboards, traffic register and miscellaneous leads are not covered in the connection tables. See the appropriate circuit drawing and Figure 4 for connection information for miscellaneous leads required for local conditions.

TABLE A
SEQUENCE FOR PLACING AND CONNECTING CABLES

STEP	CABLES		BASIC MODULE ONLY
	TYPE	USE	
1	House and Feeder	Basic module	✓
2		Supplementary module	
3	Intermodule	Selector bank multiple	
4		Line finder bank multiple	
5	Power	Basic module	✓
6		Supplementary module	
7	552D or 608A Switchboard	Line multiple — basic module	✓
8		Trunk jacks — basic module	✓
9		Line multiple — supplementary module	
10		Trunk jacks — supplementary module	
11	Miscellaneous	Other cables and cross- connections as required	✓

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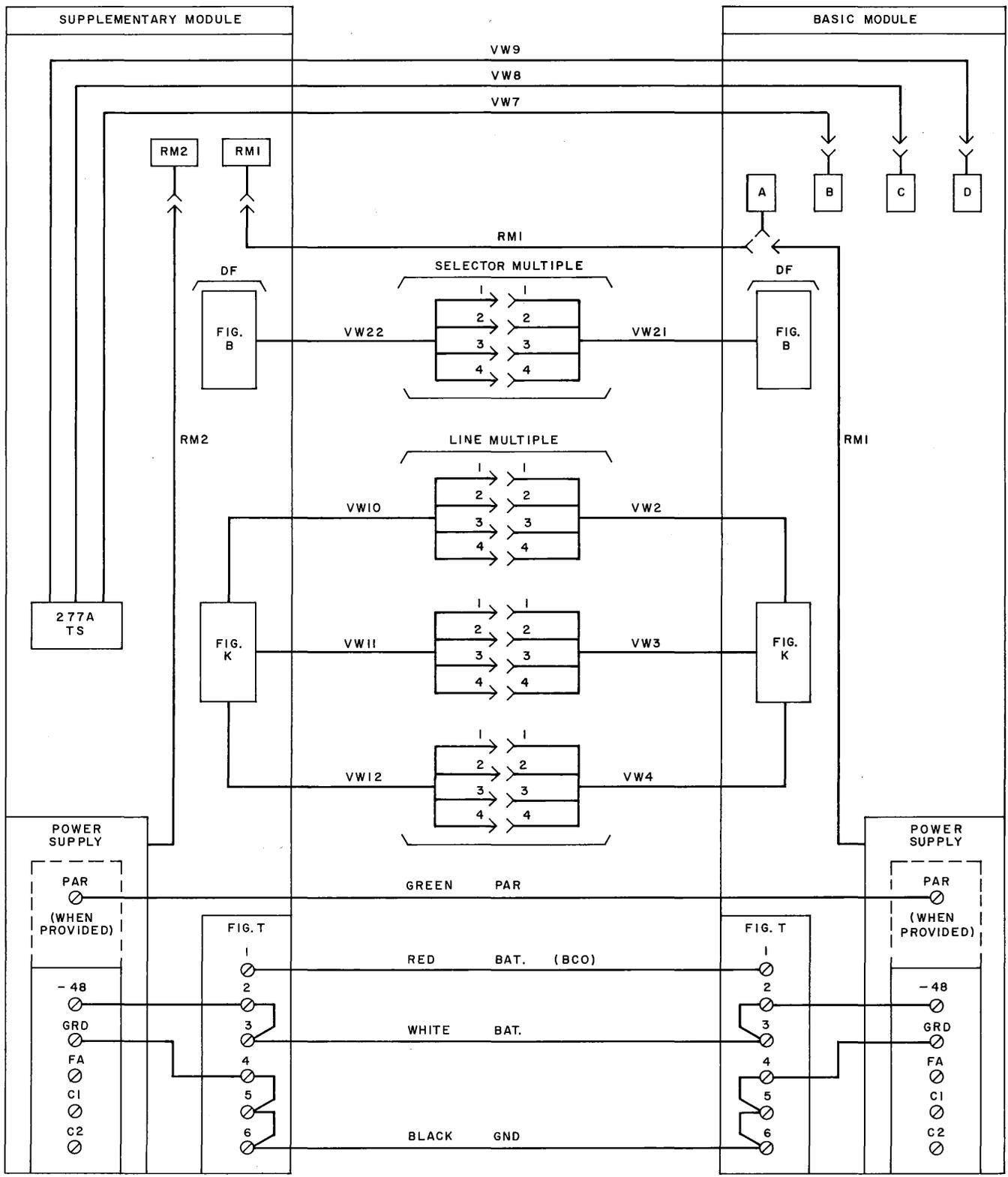


Fig. 1 — Plug-in Cables and Power Leads for Basic and Supplementary Modules — Connection Schematic

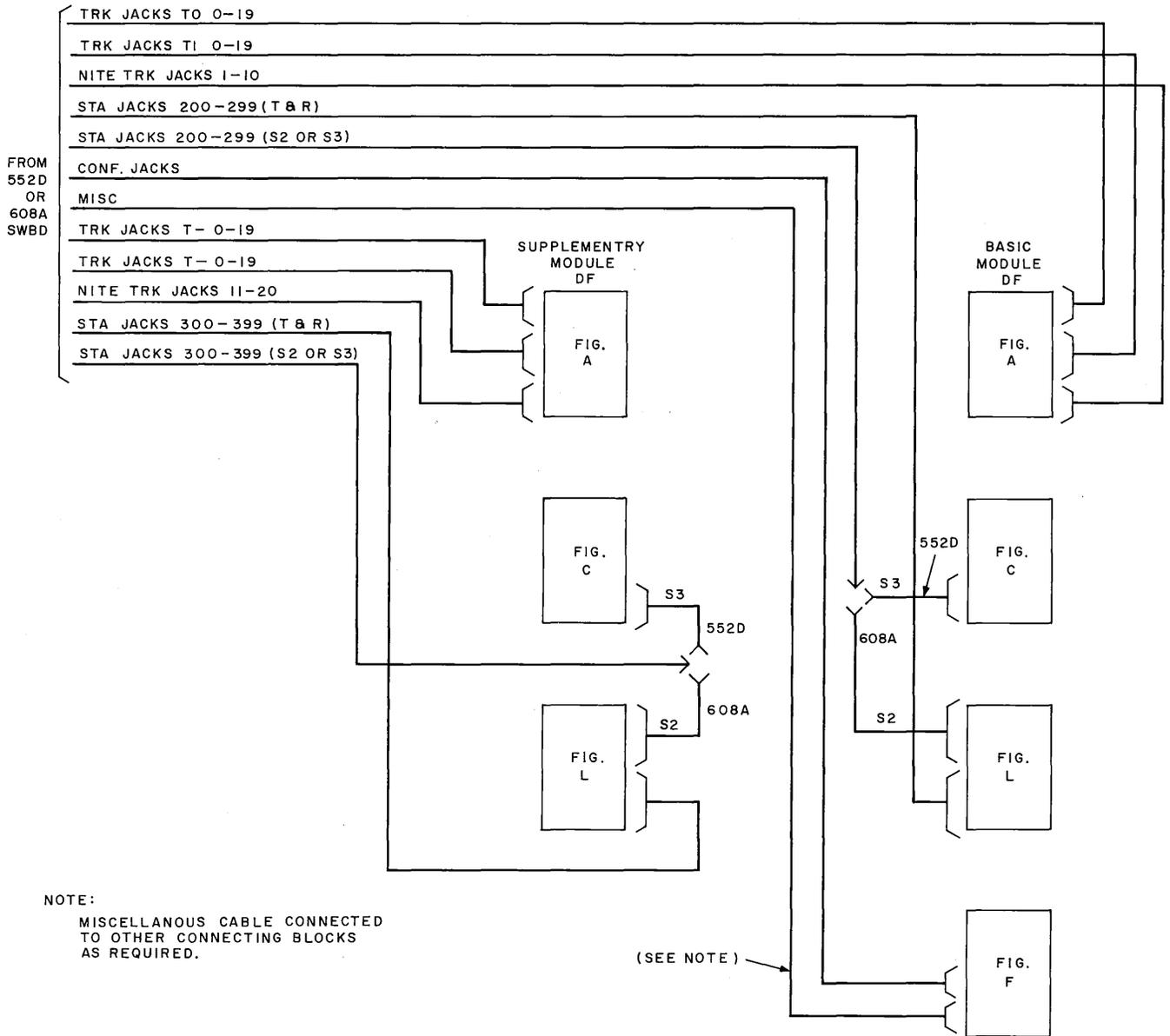
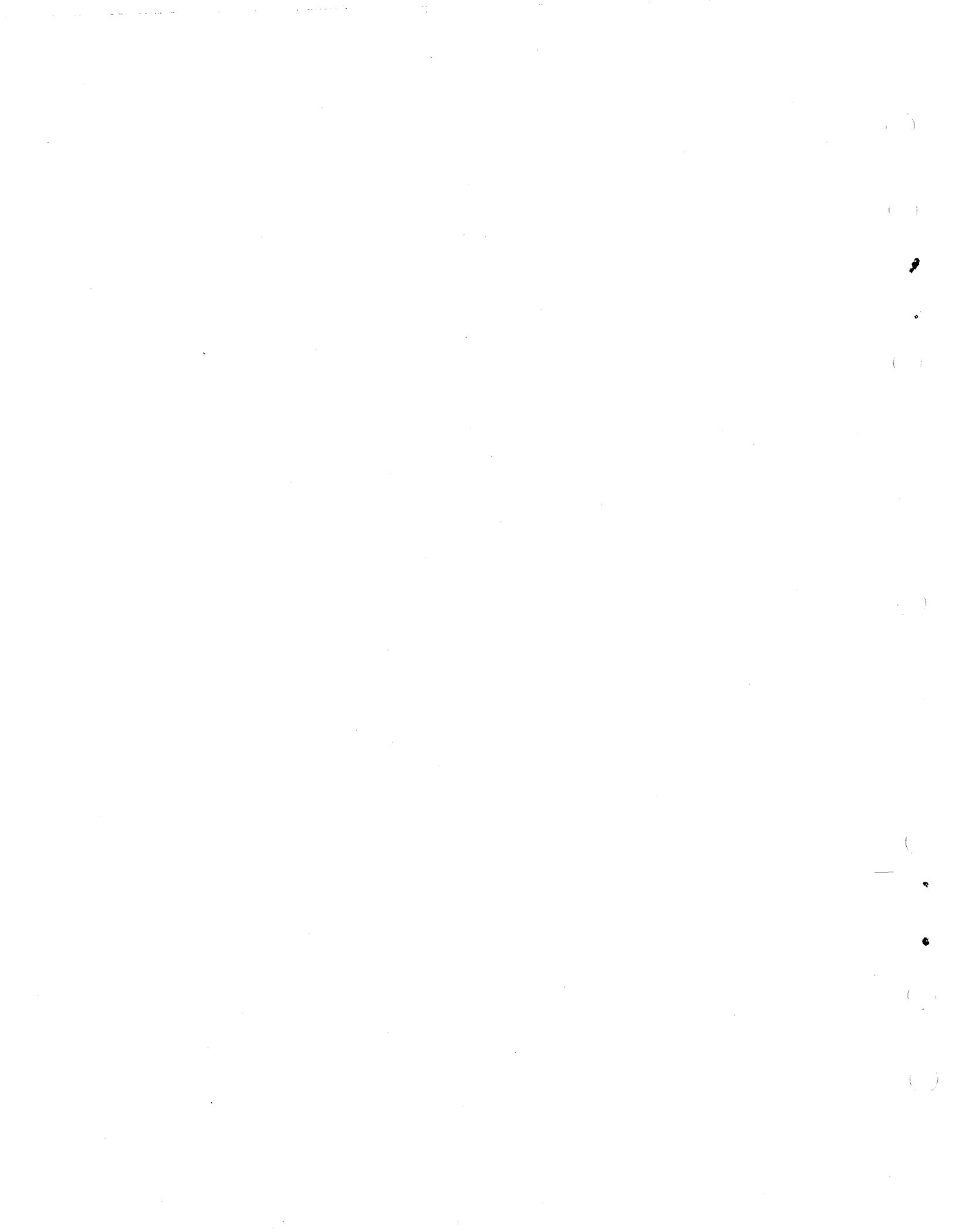


Fig. 2 — Switchboard Cables from 552D or 608A Switchboards — Connection Schematic



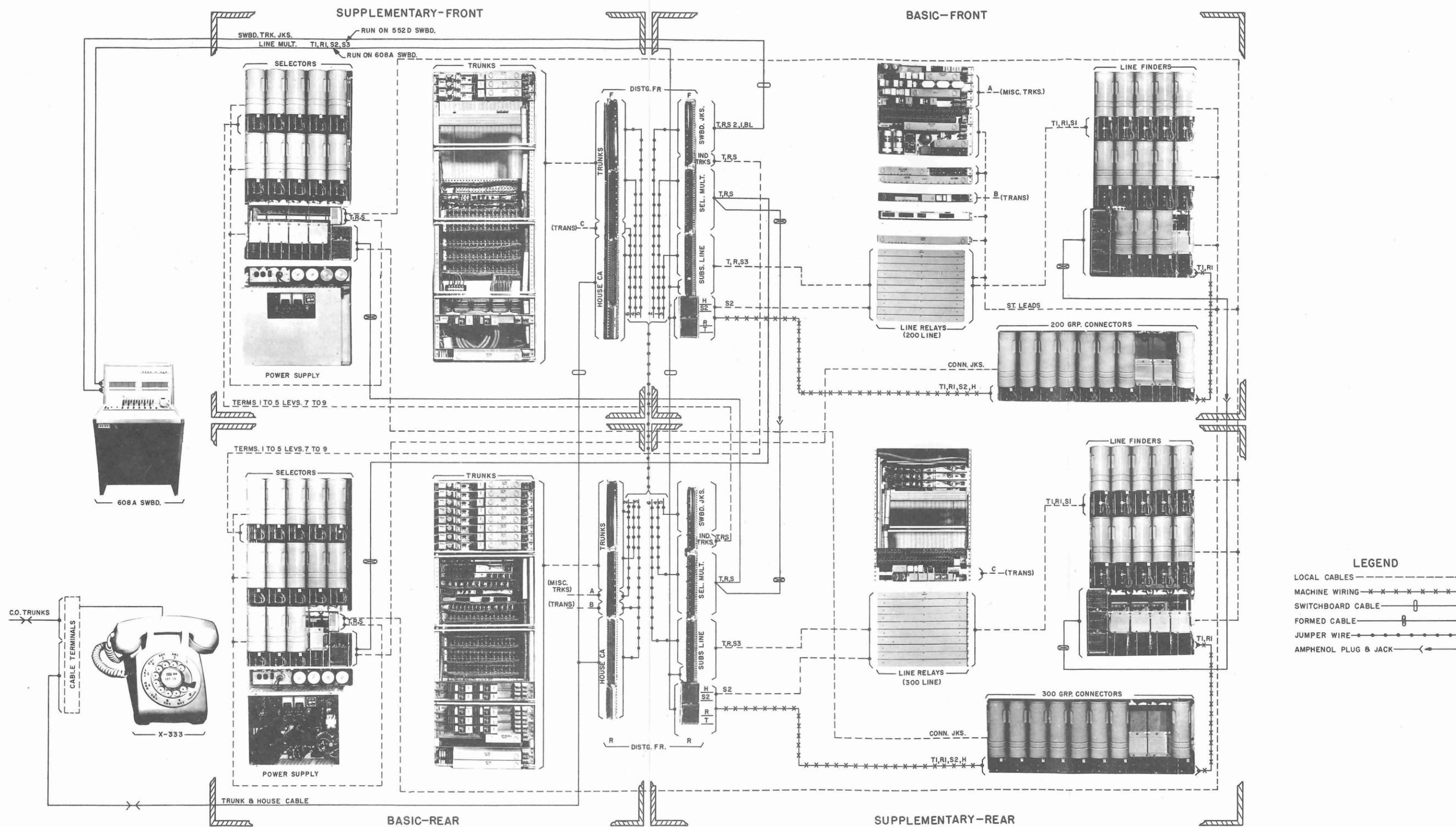


Fig. 3 — Distributing Frame — Connection Schematic

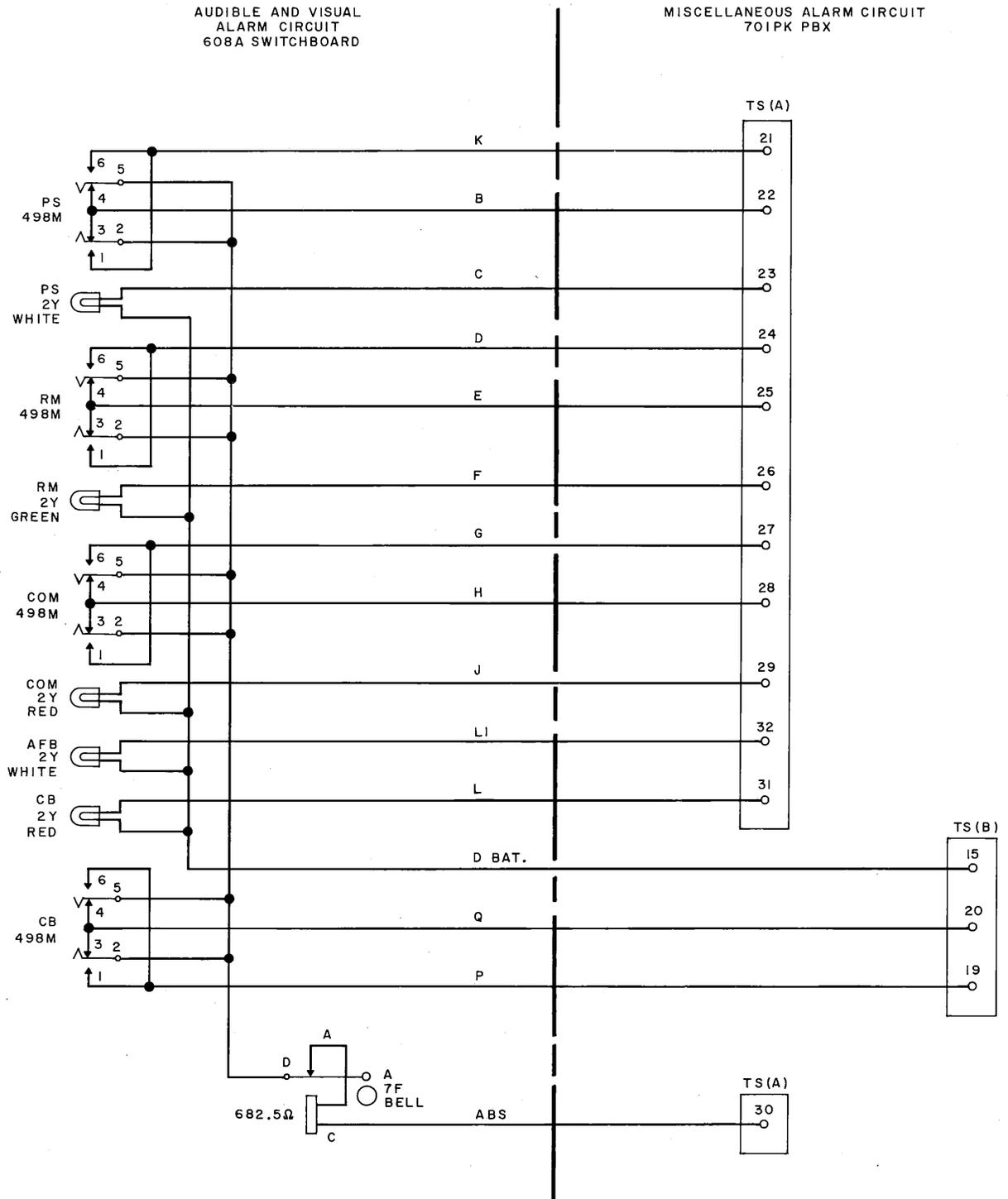


Fig. 4 — Miscellaneous Alarms for 608A Switchboard

TABLE B

ISS 1, SECTION 542-015-203

**CONNECTIONS — BASIC MODULE — HOUSE AND FEEDER CABLES
FOR STATION LINES, TRUNKS, AND MISCELLANEOUS CIRCUITS**

BASIC MODULE													
STATION LINES							TRUNKS AND MISCELLANEOUS						
PAIR	FROM		TO	PAIR	FROM		TO	PAIR	FROM		TO		
	FIG. H		FIG. C		FIG. H		FIG. C		FIG. J		CIRCUIT NO.	CIRCUIT DESIG.	FIG.
	T	R	STA NO.		T	R	STA NO.		T	R			
1	W-BL	BL-W	200	51	W-BL	BL-W	250	1	W-BL	BL-W			
2	W-O	O-W	201	52	W-O	O-W	251	2	W-O	O-W			
3	W-G	G-W	202	53	W-G	G-W	252	3	W-G	G-W			
4	W-BR	BR-W	203	54	W-BR	BR-W	253	4	W-BR	BR-W			
5	W-S	S-W	204	55	W-S	S-W	254	5	W-S	S-W			
6	R-BL	BL-R	205	56	R-BL	BL-R	255	6	R-BL	BL-R			
7	R-O	O-R	206	57	R-O	O-R	256	7	R-O	O-R			
8	R-G	G-R	207	58	R-G	G-R	257	8	R-G	G-R			
9	R-BR	BR-R	208	59	R-BR	BR-R	258	9	R-BR	BR-R			
10	R-S	S-R	209	60	R-S	S-R	259	10	R-S	S-R			
11	BK-BL	BL-BK	210	61	BK-BL	BL-BK	260	11	BK-BL	BL-BK			
12	BK-O	O-BK	211	62	BK-O	O-BK	261	12	BK-O	O-BK			
13	BK-G	G-BK	212	63	BK-G	G-BK	262	13	BK-G	G-BK			
14	BK-BR	BR-BK	213	64	BK-BR	BR-BK	263	14	BK-BR	BR-BK			
15	BK-S	S-BK	214	65	BK-S	S-BK	264	15	BK-S	S-BK			
16	Y-BL	BL-Y	215	66	Y-BL	BL-Y	265	16	Y-BL	BL-Y			
17	Y-O	O-Y	216	67	Y-O	O-Y	266	17	Y-O	O-Y			
18	Y-G	G-Y	217	68	Y-G	G-Y	267	18	Y-G	G-Y			
19	Y-BR	BR-Y	218	69	Y-BR	BR-Y	268	19	Y-BR	BR-Y			
20	Y-S	S-Y	219	70	Y-S	S-Y	269	20	Y-S	S-Y			
21	V-BL	BL-V	220	71	V-BL	BL-V	270	21	V-BL	BL-V			
22	V-O	O-V	221	72	V-O	O-V	271	22	V-O	O-V			
23	V-G	G-V	222	73	V-G	G-V	272	23	V-G	G-V			
24	V-BR	BR-V	223	74	V-BR	BR-V	273	24	V-BR	BR-V			
25	V-S	S-V	224	75	V-S	S-V	274	25	V-S	S-V			
26	W-BL	BL-W	225	76	W-BL	BL-W	275	26	W-BL	BL-W			
27	W-O	O-W	226	77	W-O	O-W	276	27	W-O	O-W			
28	W-G	G-W	227	78	W-G	G-W	277	28	W-G	G-W			
29	W-BR	BR-W	228	79	W-BR	BR-W	278	29	W-BR	BR-W			
30	W-S	S-W	229	80	W-S	S-W	279	30	W-S	S-W			
31	R-BL	BL-R	230	81	R-BL	BL-R	280	31	R-BL	BL-R			
32	R-O	O-R	231	82	R-O	O-R	281	32	R-O	O-R			
33	R-G	G-R	232	83	R-G	G-R	282	33	R-G	G-R			
34	R-BR	BR-R	233	84	R-BR	BR-R	283	34	R-BR	BR-R			
35	R-S	S-R	234	85	R-S	S-R	284	35	R-S	S-R			
36	BK-BL	BL-BK	235	86	BK-BL	BL-BK	285	36	BK-BL	BL-BK			
37	BK-O	O-BK	236	87	BK-O	O-BK	286	37	BK-O	O-BK			
38	BK-G	G-BK	237	88	BK-G	G-BK	287	38	BK-G	G-BK			
39	BK-BR	BR-BK	238	89	BK-BR	BR-BK	288	39	BK-BR	BR-BK			
40	BK-S	S-BK	239	90	BK-S	S-BK	289	40	BK-S	S-BK			
41	Y-BL	BL-Y	240	91	Y-BL	BL-Y	—	41	Y-BL	BL-Y			
42	Y-O	O-Y	241	92	Y-O	O-Y	291	42	Y-O	O-Y			
43	Y-G	G-Y	242	93	Y-G	G-Y	292	43	Y-G	G-Y			
44	Y-BR	BR-Y	243	94	Y-BR	BR-Y	293	44	Y-BR	BR-Y			
45	Y-S	S-Y	244	95	Y-S	S-Y	294	45	Y-S	S-Y			
46	V-BL	BL-V	245	96	V-BL	BL-V	295	46	V-BL	BL-V			
47	V-O	O-V	246	97	V-O	O-V	296	47	V-O	O-V			
48	V-G	G-V	247	98	V-G	G-V	297	48	V-G	G-V			
49	V-BR	BR-V	248	99	V-BR	BR-V	298	49	V-BR	BR-V			
50	V-S	S-V	249	100	V-S	S-V	—	50	V-S	S-V			

Note: Cross connect as required. Connect intercept straps to nonworking station lines.

CONNECTIONS—SUPPLEMENTARY MODULE—HOUSE AND FEEDER CABLES FOR STATION LINES AND TRUNKS

SUPPLEMENTARY MODULE													
STATION LINES								TRUNKS					
PAIR	FROM		TO	PAIR	FROM		TO	PAIR	FROM		TO		
	FIG. H		FIG. C		FIG. H		FIG. C		FIG. J		TRUNK	TRUNK	FIG.
	T	R	STA NO.		T	R	STA NO.		T	R	NO.	DESIG	
1	W-BL	BL-W	300	51	W-BL	BL-W	350	1	W-BL	BL-W			
2	W-O	O-W	301	52	W-O	O-W	351	2	W-O	O-W			
3	W-G	G-W	302	53	W-G	G-W	352	3	W-G	G-W			
4	W-BR	BR-W	303	54	W-BR	BR-W	353	4	W-BR	BR-W			
5	W-S	S-W	304	55	W-S	S-W	354	5	W-S	S-W			
6	R-BL	BL-R	305	56	R-BL	BL-R	355	6	R-BL	BL-R			
7	R-O	O-R	306	57	R-O	O-R	356	7	R-O	O-R			
8	R-G	G-R	307	58	R-G	G-R	357	8	R-G	G-R			
9	R-BR	BR-R	308	59	R-BR	BR-R	358	9	R-BR	BR-R			
10	R-S	S-R	309	60	R-S	S-R	359	10	R-S	S-R			
11	BK-BL	BL-BK	310	61	BK-BL	BL-BK	360	11	BK-BL	BL-BK			
12	BK-O	O-BK	311	62	BK-O	O-BK	361	12	BK-O	O-BK			
13	BK-G	G-BK	312	63	BK-G	G-BK	362	13	BK-G	G-BK			
14	BK-BR	BR-BK	313	64	BK-BR	BR-BK	363	14	BK-BR	BR-BK			
15	BK-S	S-BK	314	65	BK-S	S-BK	364	15	BK-S	S-BK			
16	Y-BL	BL-Y	315	66	Y-BL	BL-Y	365	16	Y-BL	BL-Y			
17	Y-O	O-Y	316	67	Y-O	O-Y	366	17	Y-O	O-Y			
18	Y-G	G-Y	317	68	Y-G	G-Y	367	18	Y-G	G-Y			
19	Y-BR	BR-Y	318	69	Y-BR	BR-Y	368	19	Y-BR	BR-Y			
20	Y-S	S-Y	319	70	Y-S	S-Y	369	20	Y-S	S-Y			
21	V-BL	BL-V	320	71	V-BL	BL-V	370	21	V-BL	BL-V			
22	V-O	O-V	321	72	V-O	O-V	371	22	V-O	O-V			
23	V-G	G-V	322	73	V-G	G-V	372	23	V-G	G-V			
24	V-BR	BR-V	323	74	V-BR	BR-V	373	24	V-BR	BR-V			
25	V-S	S-V	324	75	V-S	S-V	374	25	V-S	S-V			
26	W-BL	BL-W	325	76	W-BL	BL-W	375	26	W-BL	BL-W			
27	W-O	O-W	326	77	W-O	O-W	376	27	W-O	O-W			
28	W-G	G-W	327	78	W-G	G-W	377	28	W-G	G-W			
29	W-BR	BR-W	328	79	W-BR	BR-W	378	29	W-BR	BR-W			
30	W-S	S-W	329	80	W-S	S-W	379	30	W-S	S-W			
31	R-BL	BL-R	330	81	R-BL	BL-R	380	31	R-BL	BL-R			
32	R-O	O-R	331	82	R-O	O-R	381	32	R-O	O-R			
33	R-G	G-R	332	83	R-G	G-R	382	33	R-G	G-R			
34	R-BR	BR-R	333	84	R-BR	BR-R	383	34	R-BR	BR-R			
35	R-S	S-R	334	85	R-S	S-R	384	35	R-S	S-R			
36	BK-BL	BL-BK	335	86	BK-BL	BL-BK	385	36	BK-BL	BL-BK			
37	BK-O	O-BK	336	87	BK-O	O-BK	386	37	BK-O	O-BK			
38	BK-G	G-BK	337	88	BK-G	G-BK	387	38	BK-G	G-BK			
39	BK-BR	BR-BK	338	89	BK-BR	BR-BK	388	39	BK-BR	BR-BK			
40	BK-S	S-BK	339	90	BK-S	S-BK	389	40	BK-S	S-BK			
41	Y-BL	BL-Y	340	91	Y-BL	BL-Y	—	41	Y-BL	BL-Y			
42	Y-O	O-Y	341	92	Y-O	O-Y	391	42	Y-O	O-Y			
43	Y-G	G-Y	342	93	Y-G	G-Y	392	43	Y-G	G-Y			
44	Y-BR	BR-Y	343	94	Y-BR	BR-Y	393	44	Y-BR	BR-Y			
45	Y-S	S-Y	344	95	Y-S	S-Y	394	45	Y-S	S-Y			
46	V-BL	BL-V	345	96	V-BL	BL-V	395	46	V-BL	BL-V			
47	V-O	O-V	346	97	V-O	O-V	396	47	V-O	O-V			
48	V-G	G-V	347	98	V-G	G-V	397	48	V-G	G-V			
49	V-BR	BR-V	348	99	V-BR	BR-V	398	49	V-BR	BR-V			
50	V-S	S-V	349	100	V-S	S-V	—	50	V-S	S-V			

Note: Cross connect as required. Connect intercept straps to nonworking station lines.

TABLE D
CABLE CONNECTIONS
STATION LINE JACKS FOR 552D SWITCHBOARD

MODULE													
552D SWITCHBOARD STATION LINE JACK CABLE CONNECTIONS													
POS T-	FROM			TO			POS T-	FROM			TO		
	CABLE	COLOR	552D	STA LINE		FIG.		CABLE	COLOR	552D	STA LINE		FIG.
JACK	NO. BDR	CODE	LEAD	LEAD	NO.	FIG.	JACK	NO. BDR	CODE	LEAD	LEAD	NO.	FIG.
0			T1	T		L	10			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
1			T1	T		L	11			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
2			T1	T		L	12			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
3			T1	T		L	13			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
4			T1	T		L	14			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
5			T1	T		L	15			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
6			T1	T		L	16			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
7			T1	T		L	17			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
8			T1	T		L	18			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		
9			T1	T		L	19			T1	T		L
			R1	R						R1	R		
			S2	S		C				S2	S		C
			S3	S3						S3	S3		

TABLE E

**CABLE AND CROSS-CONNECTIONS
TRUNK JACKS AND LAMPS FOR 552D SWITCHBOARD**

MODULE															
O-9 TRUNK JACK AND LAMP CONNECTIONS FOR 552D SWITCHBOARD															
POS T- JACK	FROM			TO				POS T- JACK	FROM			TO			
	CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.		CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.
0			T					5			T				
			R								R				
			S								S				
			2								2				
			1								1				
			L								L				
BL	BL														
1			T					6			T				
			R								R				
			S								S				
			2								2				
			1								1				
			L								L				
BL	BL														
2			T					7			T				
			R								R				
			S								S				
			2								2				
			1								1				
			L								L				
BL	BL														
3			T					8			T				
			R								R				
			S								S				
			2								2				
			1								1				
			L								L				
BL	BL														
4			T					9			T				
			R								R				
			S								S				
			2								2				
			1								1				
			L								L				
BL	BL														

TABLE E (Cont)

CABLE AND CROSS-CONNECTIONS
TRUNK JACKS AND LAMPS FOR 552D SWITCHBOARD

MODULE															
10-19 TRUNK JACK AND LAMP CONNECTIONS FOR 552D SWITCHBOARD															
POS T- JACK	FROM			TO				POS T- JACK	FROM			TO			
	CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.		CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.
<u>10</u>	-- --		T					<u>15</u>	-- --		T				
			R				R								
			S				S								
			2				2								
			1				1								
L				L											
BL				BL											
<u>11</u>	-- --		T					<u>16</u>	-- --		T				
			R				R								
			S				S								
			2				2								
			1				1								
L				L											
BL				BL											
<u>12</u>	-- --		T					<u>17</u>	-- --		T				
			R				R								
			S				S								
			2				2								
			1				1								
L				L											
BL				BL											
<u>13</u>	-- --		T					<u>18</u>	-- --		T				
			R				R								
			S				S								
			2				2								
			1				1								
L				L											
BL				BL											
<u>14</u>	-- --		T					<u>19</u>	-- --		T				
			R				R								
			S				S								
			2				2								
			1				1								
L				L											
BL				BL											

TABLE F

CABLE AND CROSS-CONNECTIONS
NITE TRUNK JACKS FOR 552D SWITCHBOARD

MODULE															
NITE TRUNK JACK CABLE AND CROSS-CONNECTIONS FOR 552D SWITCHBOARD															
POS T- JACK	FROM			TO				POS T- JACK	FROM			TO			
	CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.		CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.
0	---		T (9)					5	---		T (9)				
			R (7)								R (7)				
			T (8)								T (8)				
			R (6)								R (6)				
			S (5)								S (5)				
			SL (3)								SL (3)				
			4								4				
2					2										
1	---		T (9)					6	---		T (9)				
			R (7)								R (7)				
			T (8)								T (8)				
			R (6)								R (6)				
			S (5)								S (5)				
			SL (3)								SL (3)				
			4								4				
2					2										
2	---		T (9)					7	---		T (9)				
			R (7)								R (7)				
			T (8)								T (8)				
			R (6)								R (6)				
			S (5)								S (5)				
			SL (3)								SL (3)				
			4								4				
2					2										
3	---		T (9)					8	---		T (9)				
			R (7)								R (7)				
			T (8)								T (8)				
			R (6)								R (6)				
			S (5)								S (5)				
			SL (3)								SL (3)				
			4								4				
2					2										
4	---		T (9)					9	---		T (9)				
			R (7)								R (7)				
			T (8)								T (8)				
			R (6)								R (6)				
			S (5)								S (5)				
			SL (3)								SL (3)				
			4								4				
2					2										

TABLE G
CABLE CONNECTIONS
STATION LINE JACKS FOR 608A SWITCHBOARD

MODULE													
608A SWITCHBOARD STATION LINE JACK CABLE CONNECTIONS													
POS T- JACK	FROM			TO			POS T- JACK	FROM			TO		
	CABLE NO. BDR	COLOR CODE	608A LEAD	STA LINE LEAD	NO.	FIG.		CABLE NO. BDR	COLOR CODE	608A LEAD	STA LINE LEAD	NO.	FIG.
<u>0</u>			T	T		<u>L</u>	<u>10</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>1</u>			T	T		<u>L</u>	<u>11</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>2</u>			T	T		<u>L</u>	<u>12</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>3</u>			T	T		<u>L</u>	<u>13</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>4</u>			T	T		<u>L</u>	<u>14</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>5</u>			T	T		<u>L</u>	<u>15</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>6</u>			T	T		<u>L</u>	<u>16</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>7</u>			T	T		<u>L</u>	<u>17</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>8</u>			T	T		<u>L</u>	<u>18</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		
<u>9</u>			T	T		<u>L</u>	<u>19</u>			T	T		<u>L</u>
			R	R						R	R		
			S	S						S	S		

TABLE H

CABLE AND CROSS-CONNECTIONS
TRUNK JACKS AND LAMPS FOR 608A SWITCHBOARD

MODULE																
0-9 TRUNK JACK AND LAMP CONNECTIONS FOR 608A SWITCHBOARD																
POS T- JACK	FROM			TO				POS T- JACK	FROM			TO				
	CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.		CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.	
<u>0</u>	-- --		T					<u>5</u>	-- --		T					
			R								R					
			S								S					
			SL								SL					
			L								L					
			BL								BL					
			BLR	BL						BLR	BL					
<u>1</u>	-- --		T					<u>6</u>	-- --		T					
			R								R					
			S								S					
			SL								SL					
			L								L					
			BL								BL					
			BLR	BL						BLR	BL					
<u>2</u>	-- --		T					<u>7</u>	-- --		T					
			R								R					
			S								S					
			SL								SL					
			L								L					
			BL								BL					
			BLR	BL						BLR	BL					
<u>3</u>	-- --		T					<u>8</u>	-- --		T					
			R								R					
			S								S					
			SL								SL					
			L								L					
			BL								BL					
			BLR	BL						BLR	BL					
<u>4</u>	-- --		T					<u>9</u>	-- --		T					
			R								R					
			S								S					
			SL								SL					
			L								L					
			BL								BL					
			BLR	BL						BLR	BL					

TABLE H (Cont)

CABLE AND CROSS-CONNECTIONS
TRUNK JACKS AND LAMPS FOR 608A SWITCHBOARD

MODULE															
10-19 TRUNK JACK AND LAMP CONNECTIONS FOR 608A SWITCHBOARD															
POS T- JACK	FROM			TO				POS T- JACK	FROM			TO			
	CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.		CABLE NO. BDR	COLOR CODE	FIG. A LEAD	LEAD	NO.	TYPE	FIG.
<u>10</u>			T					<u>15</u>			T				
			R								R				
			S								S				
			SL								SL				
			L								L				
			BL								BL				
			BLR	BL							BLR	BL			
<u>11</u>			T					<u>16</u>			T				
			R								R				
			S								S				
			SL								SL				
			L								L				
			BL								BL				
			BLR	BL							BLR	BL			
<u>12</u>			T					<u>17</u>			T				
			R								R				
			S								S				
			SL								SL				
			L								L				
			BL								BL				
			BLR	BL							BLR	BL			
<u>13</u>			T					<u>18</u>			T				
			R								R				
			S								S				
			SL								SL				
			L								L				
			BL								BL				
			BLR	BL							BLR	BL			
<u>14</u>			T					<u>19</u>			T				
			R								R				
			S								S				
			SL								SL				
			L								L				
			BL								BL				
			BLR	BL							BLR	BL			

TABLE I
CABLE CONNECTIONS
BUSY LAMP RESISTORS FOR 608A SWITCHBOARD

MODULE															
BUSY LAMP RESISTOR CABLE CONNECTIONS FOR 608A SWITCHBOARD															
POS T- JACK	FROM				TO			POS T- JACK	FROM				TO		
	CABLE		COLOR CODE	FIG. A LEAD	COLOR CODE	RESISTOR			CABLE		COLOR CODE	FIG. A LEAD	COLOR CODE	RESISTOR	
NO.	BDR	NO.				DIR	NO.	DIR	NO.	BDR				NO.	DIR
<u>0</u>	—	—		BL BLR	W-BL BL-W	<u>1</u>	IN OUT	<u>0</u>	—	—		BL BLR	V-BL BL-V	<u>21</u>	IN OUT
<u>1</u>	—	—		BL BLR	W-O O-W	<u>2</u>	IN OUT	<u>1</u>	—	—		BL BLR	V-O O-V	<u>22</u>	IN OUT
<u>2</u>	—	—		BL BLR	W-G G-W	<u>3</u>	IN OUT	<u>2</u>	—	—		BL BLR	V-G G-V	<u>23</u>	IN OUT
<u>3</u>	—	—		BL BLR	W-BR BR-W	<u>4</u>	IN OUT	<u>3</u>	—	—		BL BLR	V-BR BR-V	<u>24</u>	IN OUT
<u>4</u>	—	—		BL BLR	W-S S-W	<u>5</u>	IN OUT	<u>4</u>	—	—		BL BLR	V-S S-V	<u>25</u>	IN OUT
<u>5</u>	—	—		BL BLR	R-BL BL-R	<u>6</u>	IN OUT	<u>5</u>	—	—		BL BLR	W-BL BL-W	<u>26</u>	IN OUT
<u>6</u>	—	—		BL BLR	R-O O-R	<u>7</u>	IN OUT	<u>6</u>	—	—		BL BLR	W-O O-W	<u>27</u>	IN OUT
<u>7</u>	—	—		BL BLR	R-G G-R	<u>8</u>	IN OUT	<u>7</u>	—	—		BL BLR	W-G G-W	<u>28</u>	IN OUT
<u>8</u>	—	—		BL BLR	R-BR BR-R	<u>9</u>	IN OUT	<u>8</u>	—	—		BL BLR	W-BR BR-W	<u>29</u>	IN OUT
<u>9</u>	—	—		BL BLR	R-S S-R	<u>10</u>	IN OUT	<u>9</u>	—	—		BL BLR	W-S S-W	<u>30</u>	IN OUT
<u>10</u>	—	—		BL BLR	BK-BL BL-BK	<u>11</u>	IN OUT	<u>10</u>	—	—		BL BLR	R-BL BL-R	<u>31</u>	IN OUT
<u>11</u>	—	—		BL BLR	BK-O O-BK	<u>12</u>	IN OUT	<u>11</u>	—	—		BL BLR	R-O O-R	<u>32</u>	IN OUT
<u>12</u>	—	—		BL BLR	BK-G G-BK	<u>13</u>	IN OUT	<u>12</u>	—	—		BL BLR	R-G G-R	<u>33</u>	IN OUT
<u>13</u>	—	—		BL BLR	BK-BR BR-BK	<u>14</u>	IN OUT	<u>13</u>	—	—		BL BLR	R-BR BR-R	<u>34</u>	IN OUT
<u>14</u>	—	—		BL BLR	BK-S S-BK	<u>15</u>	IN OUT	<u>14</u>	—	—		BL BLR	R-S S-R	<u>35</u>	IN OUT
<u>15</u>	—	—		BL BLR	Y-BL BL-Y	<u>16</u>	IN OUT	<u>15</u>	—	—		BL BLR	BK-BL BL-BK	<u>36</u>	IN OUT
<u>16</u>	—	—		BL BLR	Y-O O-Y	<u>17</u>	IN OUT	<u>16</u>	—	—		BL BLR	BK-O O-BK	<u>37</u>	IN OUT
<u>17</u>	—	—		BL BLR	Y-G G-Y	<u>18</u>	IN OUT	<u>17</u>	—	—		BL BLR	BK-G G-BK	<u>38</u>	IN OUT
<u>18</u>	—	—		BL BLR	Y-BR BR-Y	<u>19</u>	IN OUT	<u>18</u>	—	—		BL BLR	BK-BR BR-BK	<u>39</u>	IN OUT
<u>19</u>	—	—		BL BLR	Y-S S-Y	<u>20</u>	IN OUT	<u>19</u>	—	—		BL BLR	BK-S S-BK	<u>40</u>	IN OUT

TABLE J
CABLE AND CROSS-CONNECTIONS
NITE TRUNK JACKS FOR 608A SWITCHBOARD

BASIC MODULE									SUPPLEMENTARY MODULE								
NITE TRUNK JACK CABLE AND CROSS-CONNECTIONS FOR 608A SWITCHBOARD																	
POS T- JACK	FROM				TO				POS T- JACK	FROM				TO			
	CABLE		COLOR CODE	FIG. A LEAD	TRUNK		FIG.	CABLE		COLOR CODE	FIG. A LEAD	TRUNK		FIG.			
NO.	BDR	LEAD			NO.	TYPE		NO.	BDR			LEAD	NO.		TYPE		
<u>0</u>			T	T				<u>0</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>1</u>			T	T				<u>1</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>2</u>			T	T				<u>2</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>3</u>			T	T				<u>3</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>4</u>			T	T				<u>4</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>5</u>			T	T				<u>5</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>6</u>			T	T				<u>6</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>7</u>			T	T				<u>7</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>8</u>			T	T				<u>8</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				
<u>9</u>			T	T				<u>9</u>			T	T					
			R	R							R	R					
			S	S							S	S					
			SL	SL								SL	SL				

TABLE K
CROSS-CONNECTIONS
POWER FAILURE LINE TRANSFER CIRCUITS

BASIC MODULE								
POWER FAILURE LINE TRANSFER CIRCUITS — TIP AND RING LEADS								
RELAY	FROM	TO	FROM	TO	FROM	TO		
	FIG. F	FIG. C	FIG. F	FIG. H	FIG. F	FIG. J	TRUNK NO.	TRUNK DESIG
	LINE	STA NO.	HSE	PAIR	TRK	PAIR		
PF	1		1		1			
	2		2		2			
	3		3		3			
	4		4		4			
	5		5		5			
PF1	6		6		6			
	7		7		7			
	8		8		8			
	9		9		9			
	10		10		10			
SUPPLEMENTARY MODULE								
POWER FAILURE LINE TRANSFER CIRCUITS — TIP AND RING LEADS								
RELAY	FROM	TO	FROM	TO	FROM	TO		
	FIG. G	FIG. C	FIG. G	FIG. H	FIG. G	FIG. J	TRUNK NO.	TRUNK DESIG
	LINE	STA NO.	HSE	PAIR	TRK	PAIR		
PF2	11		11		11			
	12		12		12			
	13		13		13			
	14		14		14			
	15		15		15			
PF3	16		16		16			
	17		17		17			
	18		18		18			
	19		19		19			
	20		20		20			

TABLE L
CROSS-CONNECTIONS
SELECTOR MULTIPLE FOR LEVEL 1 OR 6

SELECTOR MULTIPLE																
SELECTOR LEVEL 1 OR 6																
MODULE	TIP(T), RING(R), AND SLEEVE(S) LEADS															S GND
	FROM FIG. B	TO			SELECTOR MULTIPLE TERMINAL											
		TRUNK NO.	TRUNK DESIG	FIG.	01	02	03	04	05	06	07	08	09	00		
	TERM.															
B A S I C	01	1	VAC LEVEL	F	✕											
	02															
	03															
	04															
	05															
	06															
	07															
	08															
	09															
	00															
S U P P L E M E N T A R Y	01	2	VAC LEVEL	F	✕										01	
	02														02	
	03														03	
	04														04	
	05														05	
	06														06	
	07														07	
	08														08	
	09														09	
	00														00	

Note: Cross connect as required. Multiple and sleeve ground connections are shown as typical example only. Ground sleeve of all unassigned terminals.

Legend

- Factory wiring
- Strap
- Jumper from trunk circuit
- Sleeve ground

TABLE M
CROSS-CONNECTIONS
SELECTOR MULTIPLE FOR LEVEL 3, 4, OR 5

SELECTOR MULTIPLE															
SELECTOR LEVEL 3*, 4, OR 5															
MODULE	TIP(T), RING(R), AND SLEEVE(S) LEADS														
	FROM FIG. B TERM.	TO			SELECTOR MULTIPLE TERMINAL										S GND
		TRUNK NO.	TRUNK DESIG	FIG.	01	02	03	04	05	06	07	08	09	00	
B A S I C	01	1	VAC LEVEL	F	✕										
	02					●								+	
	03						●							+	
	04							●						+	
	05								●					+	
	06									●				+	
	07										●			+	
	08											●		+	
	09												●	+	
	00													●	+
S U P P L E M E N T A R Y	01	2	VAC LEVEL	F									✕	01	
	02												●	02	
	03												●	03	
	04												●	04	
	05												●	05	
	06												●	06	
	07												●	07	
	08												●	08	
	09												●	09	
	00												●	00	

Note: Cross connect as required. Multiple and sleeve ground connections are shown as typical example only. Ground sleeve of all unassigned terminals.

Legend
 Factory wiring ●——●
 Strap ●- - -●
 Jumper from trunk circuit ✕
 Sleeve ground —

* Connect level 3 to vacant level trunks with 100-line system only.

TABLE N
CROSS-CONNECTIONS
SELECTOR MULTIPLE FOR LEVEL 7, 8, OR 9

SELECTOR MULTIPLE																
SELECTOR LEVEL 7*, 8*, OR 9																
MODULE	GROUP	TIP(T), RING(R), AND SLEEVE(S) LEADS										S GND				
		FROM	TO			SELECTOR MULTIPLE TERMINAL										
		FIG. B	TRUNK NO.	TRUNK DESIG	FIG.	01	02	03	04	05	06		07	08	09	00
		TERM.				01	02	03	04	05	06		07	08	09	00
B A S I C	SUB-GROUP A	01A	1			✕										
		02A	2				✕									
		03A	3					✕								
		04A	4						✕							
		05A	5							✕						
	COMMON GROUP	06	6								✕					
		07	7									✕				
		08	8										✕			
		09	9											✕		
		00	10												✕	
	SUB-GROUP B	01B	15				✕								01B	
		02B	16					✕							02B	
		03B	—						●						03B	
		04B							●						04B	
		05B								●					05B	
S U P P L E M E N T A R Y	SUB-GROUP A	01A	11								✕				01	
		02A	12									✕			02	
		03A	13										✕		03	
		04A	14											✕	04	
		05A													●	05
	COMMON GROUP	06													●	06
		07													●	07
		08													●	08
		09													●	09
		00													●	00
	SUB-GROUP B	01B	18												✕	01B
		02B	19												✕	02B
		03B	—												●	03B
		04B													●	04B
		05B													●	05B

Note: Cross connect as required. Multiple and sleeve ground connections are shown as typical example only. Ground sleeve of all unassigned terminals.

Legend
 Factory wiring ——— ●
 Strap ——— ●
 Jumper from trunk circuit ✕
 Sleeve ground —

* Connect level 7 or 8 to vacant level trunks in accordance with local instructions when levels are not used.

TABLE O
CROSS-CONNECTIONS
SELECTOR MULTIPLE FOR LEVEL 0

SELECTOR MULTIPLE																	
SELECTOR LEVEL 0																	
MODULE	TIP(T), RING(R), AND SLEEVE(S) LEADS										S GND						
	FROM	TO				SELECTOR MULTIPLE TERMINAL											
	FIG. B	TRUNK NO.		TRUNK DESIG	FIG.	01	02	03	04	05		06	07	08	09	00	
	TERM.					01	02	03	04	05		06	07	08	09	00	
B A S I C	01	1	0	ATND	D	✱											
	02	2	0	ATND	D		✱										
	03	3	0	ATND	D			✱									
	04	4	0	ATND	D				✱								
	05	5	0	ATND	D					✱							
	06	6	0	ATND	D						✱						
	07											●					
	08												●				
	09													●			
	00														●		
S U P P L E M E N T A R Y	01																01
	02																02
	03																03
	04																04
	05																05
	06																06
	07	10	0	ATND	E								✱				07
	08	11	0	ATND	E									✱			08
	09														●		09
	00	12	0	ATND	E											✱	00

Note: Cross connect as required. Multiple and sleeve ground connections are shown as typical example only. Ground sleeve of all unassigned terminals.

Legend
 Factory wiring ●——●
 Strap ●- - -●
 Jumper from trunk circuit ✱
 Sleeve ground —

TABLE P
TYPICAL JUMPER CROSS-CONNECTIONS
OUTGOING MANUAL AND INCOMING RINGDOWN TRUNK J58824AY

HOUSE AND FEEDER CABLE	NITE JACK CIRCUIT	SEE LEGEND	POWER FAILURE LINE TRANSFER CIRCUIT	TRUNK CIRCUIT SD-65781-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT
FIG. J	FIG. A		FIG. F OR G	FIG. D OR E	FIG. A	FIG. A
TRUNK	TRUNK			LEAD	JACK	JACK
<p>Legend:</p> <p>JUMPER CROSS-CONNECTIONS</p> <ul style="list-style-type: none"> A — Direct to trunk circuit B — Through power failure line transfer circuit C — Through nite jack and PF line transfer circuit D — Through nite jacks <p>JACK SYMBOLS</p> <ul style="list-style-type: none"> ○ — 608A switchboard trunk jack terminal □ — 552D switchboard trunk jack terminal 8 — Jack spring number <p>Note: Local cable leads for these trunks are connected to function with a 552D switchboard. When a 608A switchboard is used, make wiring changes in accordance with Table V.</p>						

TABLE Q

TYPICAL JUMPER CROSS-CONNECTIONS
ATTENDANT TRUNK CIRCUIT J58824BF

TRUNK CIRCUIT SD-66717-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT	SELECTOR MULTIPLE
FIG. D OR E	FIG. A	FIG. A	FIG. B
LEAD	JACK	JACK	LEAD
<p>Legend</p> <p>JACK SYMBOLS</p> <ul style="list-style-type: none"> ○ — 608A switchboard trunk jack terminal □ — 552D switchboard trunk jack terminal <p>Note: Local cable leads for these trunks are connected to function with a 552D switchboard. When a 608A switchboard is used, make wiring changes in accordance with Table V.</p>			

TABLE R
TYPICAL JUMPER CROSS-CONNECTIONS
ATTENDANT TRUNK CIRCUIT — TOLL DIVERTING J58824F

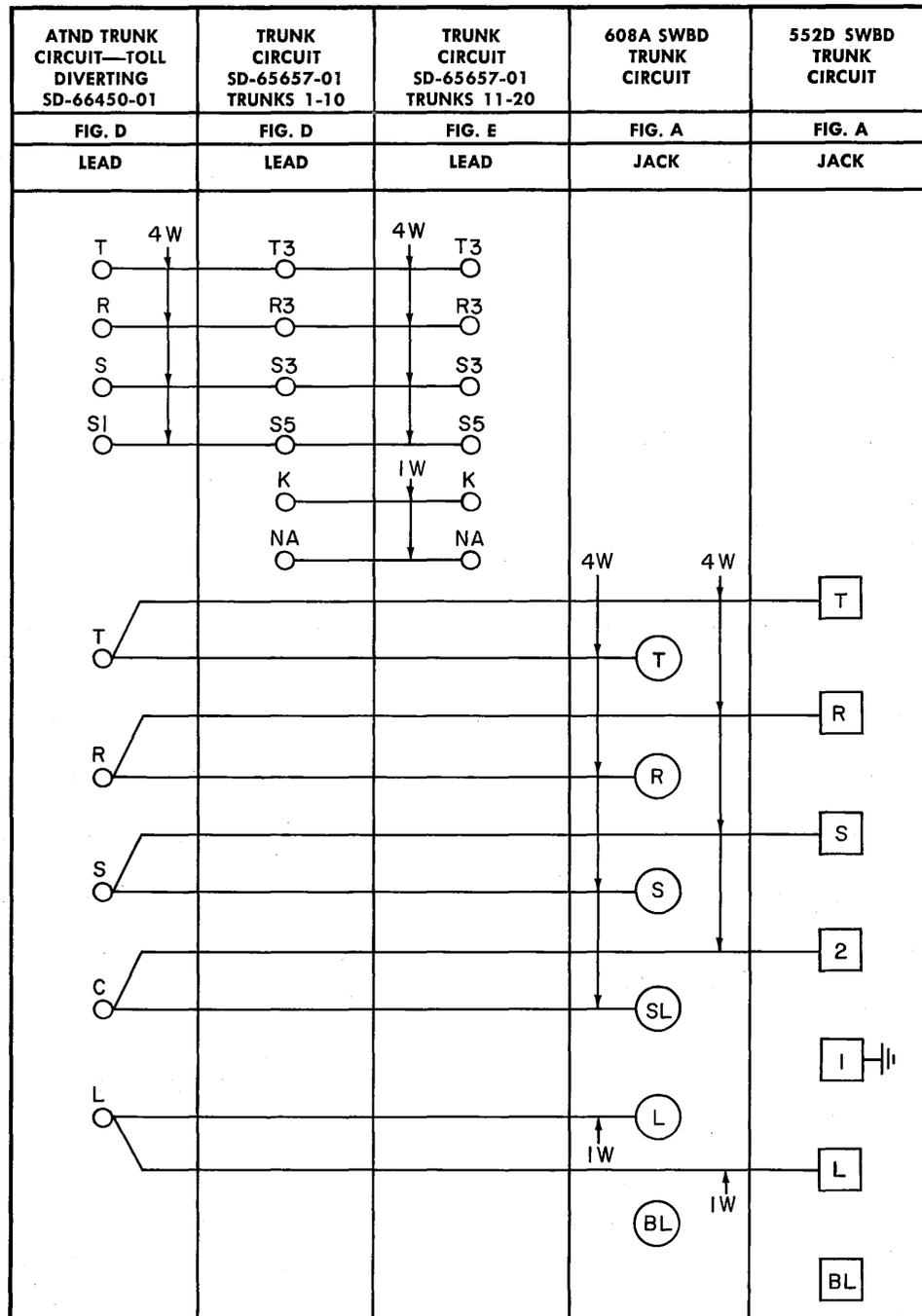


TABLE S

TYPICAL JUMPER CROSS-CONNECTIONS
ONE-WAY OR 2-WAY TRUNK CIRCUIT J58824A

HOUSE AND FEEDER CABLE	NITE JACK CIRCUIT	POWER FAILURE LINE TRANSFER CIRCUIT	TRUNK CIRCUIT SD-65657-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT	SELECTOR MULTIPLE
FIG. J	FIG. A	FIG. F OR G	FIG. D OR E	FIG. A	FIG. A	FIG. B
TRUNK	TRUNK	TRUNK	LEAD	TRUNK	TRUNK	LEAD
<p>Legend</p> <p>JACK SYMBOLS</p> <ul style="list-style-type: none"> ○ — 608A switchboard trunk jack terminal □ — 552D switchboard trunk jack terminal (8) — Jack spring number <p>Note: Local cable leads for these trunks are connected to function with a 552D switchboard. When a 608A switchboard is used, make wiring changes in accordance with Table V.</p>						

TABLE T
TYPICAL JUMPER CROSS-CONNECTIONS
VACANT SELECTOR LEVEL TRUNK J58824AU

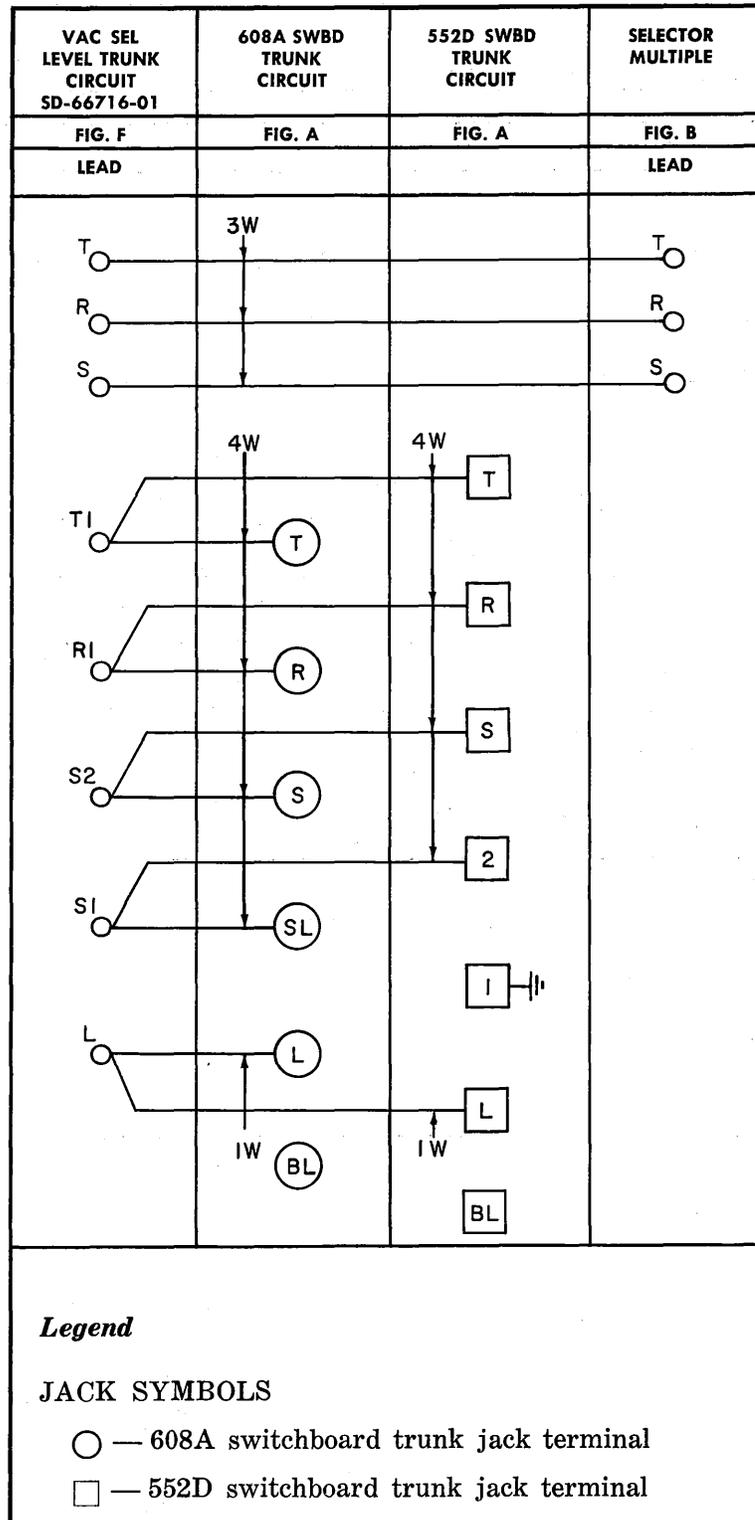


TABLE U

TYPICAL JUMPER CROSS-CONNECTIONS
CONNECTOR INTERCEPT TRUNK J58824AY

CONN INCPT TRUNK CKT SD-65781-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT	STA LINE CIRCUIT INCPT
FIG. F	FIG. A	FIG. A	FIG. C
LEAD	JACK	JACK	LEAD
<p>Legend</p> <p>JACK SYMBOLS</p> <p>○ — 608A switchboard trunk jack terminal</p> <p>□ — 552D switchboard trunk jack terminal</p> <p>Note: Insulate 5T and 5B of (CO) relay in each intercepted station line circuit by means of plastic sleeves.</p>			

TABLE V

TYPICAL JUMPER CROSS-CONNECTIONS
MANUAL CONFERENCE CIRCUIT J53120R

MAN. CONF CIRCUIT SD-66462-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT	MAN. CONF CIRCUIT SD-66462-01	608A SWBD TRUNK CIRCUIT	552D SWBD TRUNK CIRCUIT
FIG. F	FIG. A	FIG. A	FIG. F	FIG. A	FIG. A
LEAD	JACK	JACK	LEAD	JACK	JACK
(JACK A,B,C)			(JACK D,E)		
<p>Legend</p> <p>JACK SYMBOLS</p> <p>○ — 608A switchboard trunk jack terminal</p> <p>□ — 552D switchboard trunk jack terminal</p>					

TABLE W
WIRING CHANGE LIST

WIRING CHANGES TO BE MADE IN ACCORDANCE WITH LOCAL INSTRUCTIONS						
UNIT	CIRCUIT	FIG.	CONNECT WIRING	DISCONNECT WIRING	WHEN	
J58824A4 L-16, E	T-65657-18	2		X,YM	Assoc CO is	Manual to be converted to SXS Step-by-Step Panel or crossbar
				W,YM		
				W,X		
				J,K		
				K	Assoc CO is SXS with trk cond loop res of	351-500 ohms
				J		200-350 ohms
				J,K		0-199 ohms
				H	Toll calls are diverted	
J58824A4 L-17, F		6		YV	Swbd is eqpd with night jacks	
J58824A4 L-16, E		H1		M	552D	is eqpd with night jacks
				YI	Swbd	is not eqpd with night jacks
		2		XB	608A switchboard is furnished	
J58824A4 L-17, F		H4	XN, YR	XB		
J58824A4 L-16, E		H1	YJ	YI		
J58824BF-1 L1	T-66717-11	1	Z	Y		
J53120R-1 L-WA	T-66462-32	N		K		
J58824F-1 L-1	T-66450-13	1,R	N			
J58824AY-1 L-1A,B	T-65781-11	1	H	J,Q		
				*Fig 53		
J58824A-4 L-17, F	T-65657-18	3		Q	No. of busy lamps conn to BL1 lead is	1, 2, 6, 7, or 8
				N		3, 6, 7, 9, or 10
				R		1, 3, 4, 6, or 9
				S		1, 2, 3, 4, or 5
J58824A-4 L16,E	T-65657-18	H1			Toll calls are not to be diverted. Disconnect leads from 14T, 9T, and 8T of (A) terminal strip and reconnect to 5B, 2B, and 1B, respectively.	

Note: The above circuits are furnished wired to function with a 552D switchboard. When a 608A switchboard is used or when other individual office features are required, make wiring changes in accordance with this table.