

SD-69654-01-A1

SHEET INDEX (INITIATED ON ISSUE 3D1)

CONTENTS		SHEET NO.	ISSUE NO.																										
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SHEET INDEX SUPPORTING INFORMATION		A1	3																										
FS 1 TRANSMISSION PATH, "A" LEAD AND SIGNALING CONTROL, LAMP CIRCUIT, AND DIAL RESTRICT OPTION	832A,B TEL SETS	B1	3																										
	832C TEL SET	B2	3																										
FS 2 TRANSMISSION PATH, "A" LEAD AND SIGNALING CONTROL, LAMP CIRCUIT, AND DIAL RESTRICT OPTION	2832A,B TEL SETS	B3	3																										
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FS 5 TRANSMISSION PATH, "A" LEAD AND SIGNALING CONTROL AND LAMP CIRCUIT	575AM TEL SET	B9	3																										
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CONTENTS	SHEET NO.	ISSUE NO.																									
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	

COMKEY
TELEPHONE SETS.

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

SUPPORTING INFORMATION

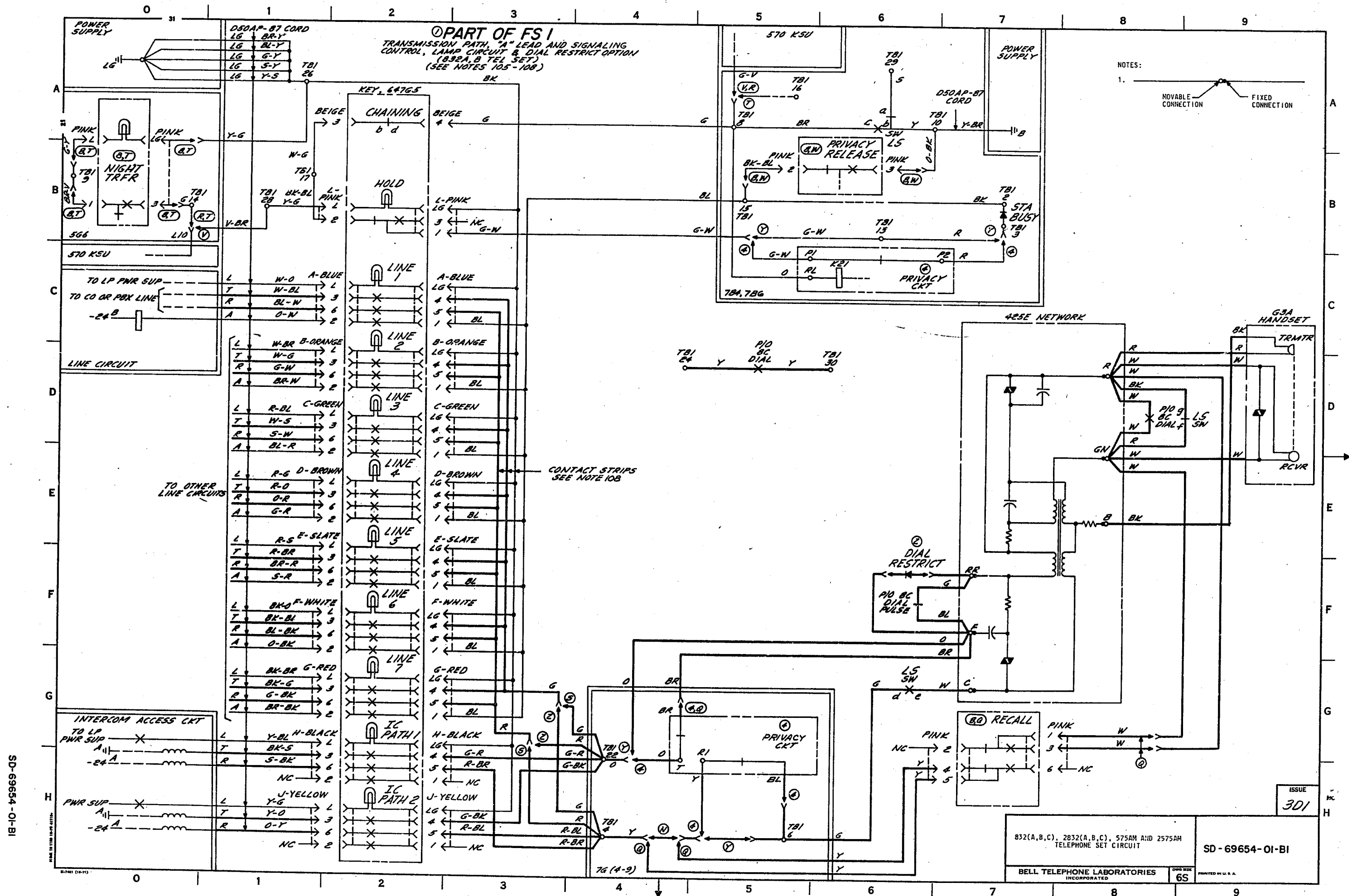
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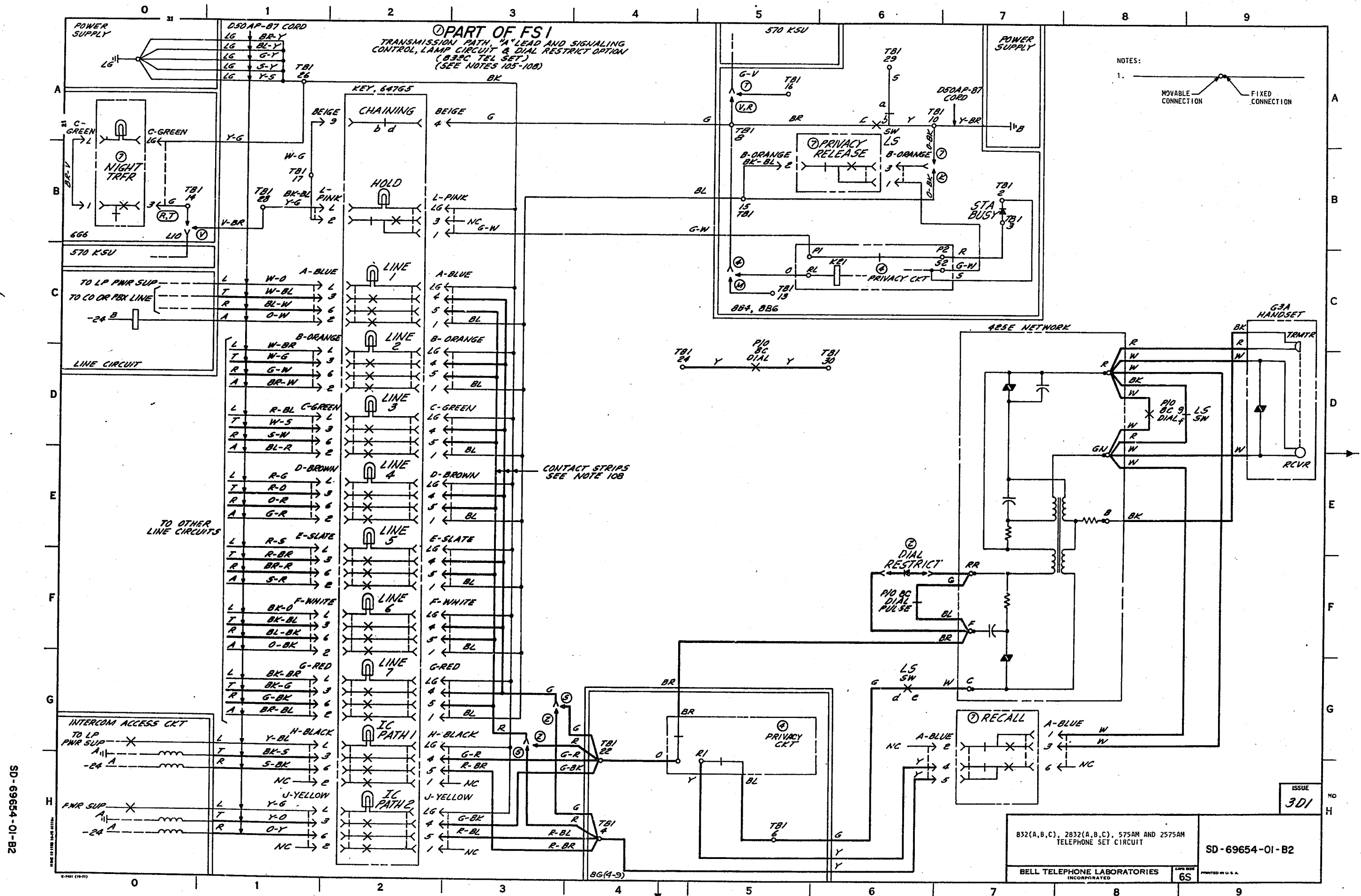
1K99
STATION SYSTEMS
832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
TELEPHONE SET CIRCUIT
FOR USE WITH
COMMUNICATION SYSTEM NO. 7A
BELL TELEPHONE LABORATORIES
INCORPORATED

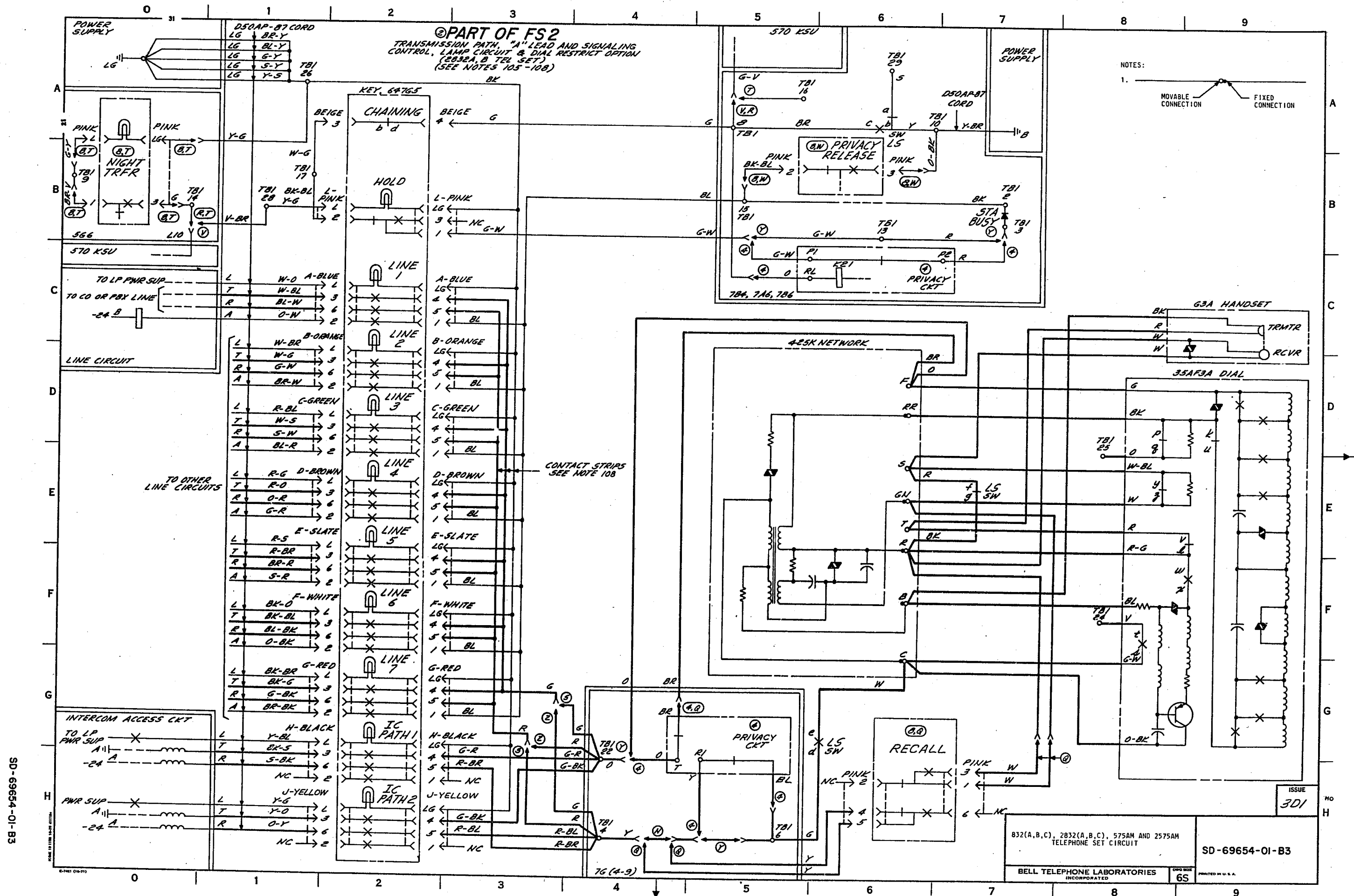
2
6S

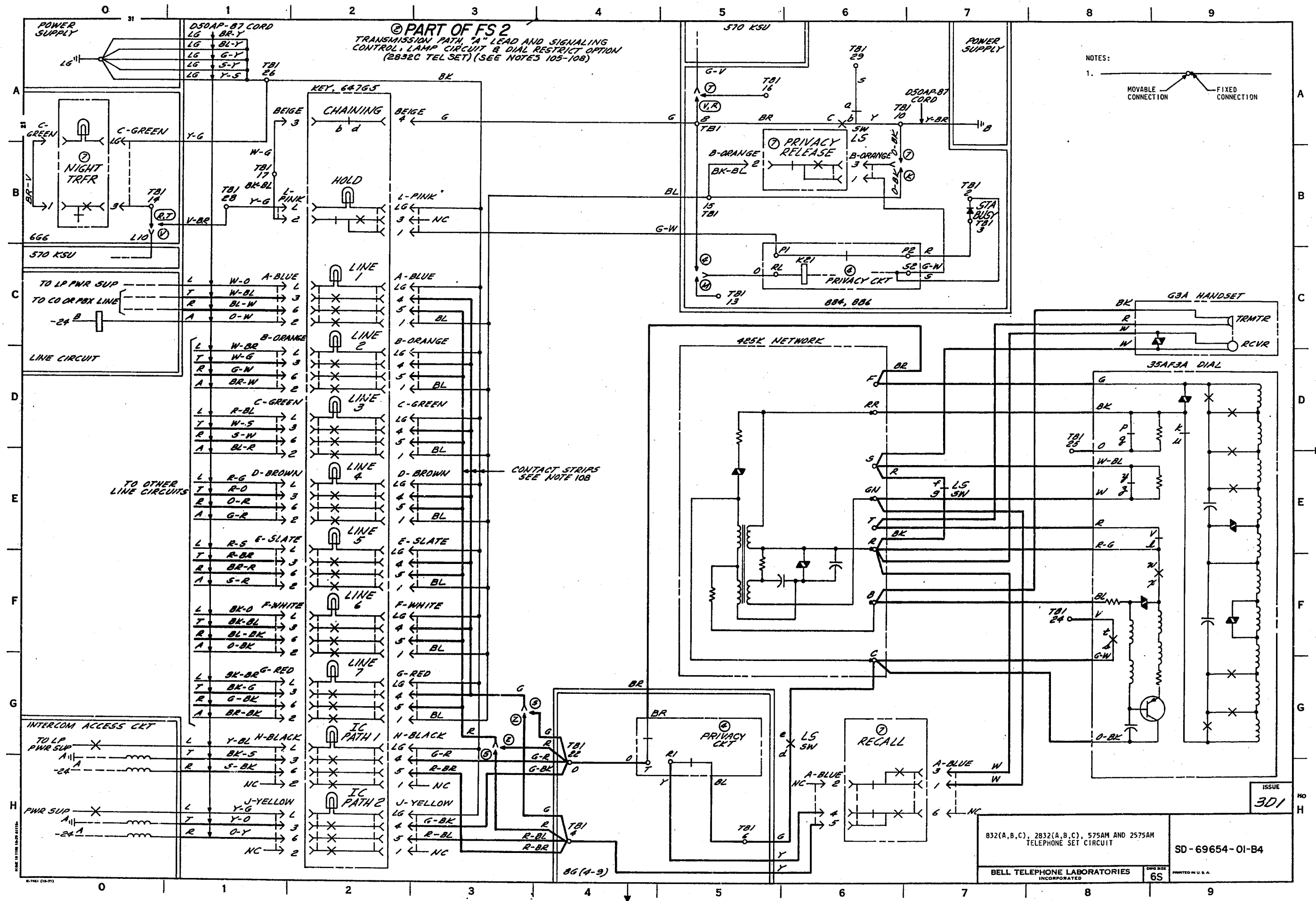
AT&T
STANDARD
SD-69654-01-A1
15 SHEETS
PRINTED IN U.S.A.

DWG ISSUE	CD ISSUE	DWG ISSUE	CD ISSUE	DWG ISSUE	CD ISSUE
1	1	1	1	1	1
3D1	APPX 2D1	1-23-76	CDT ONE DEF J5		

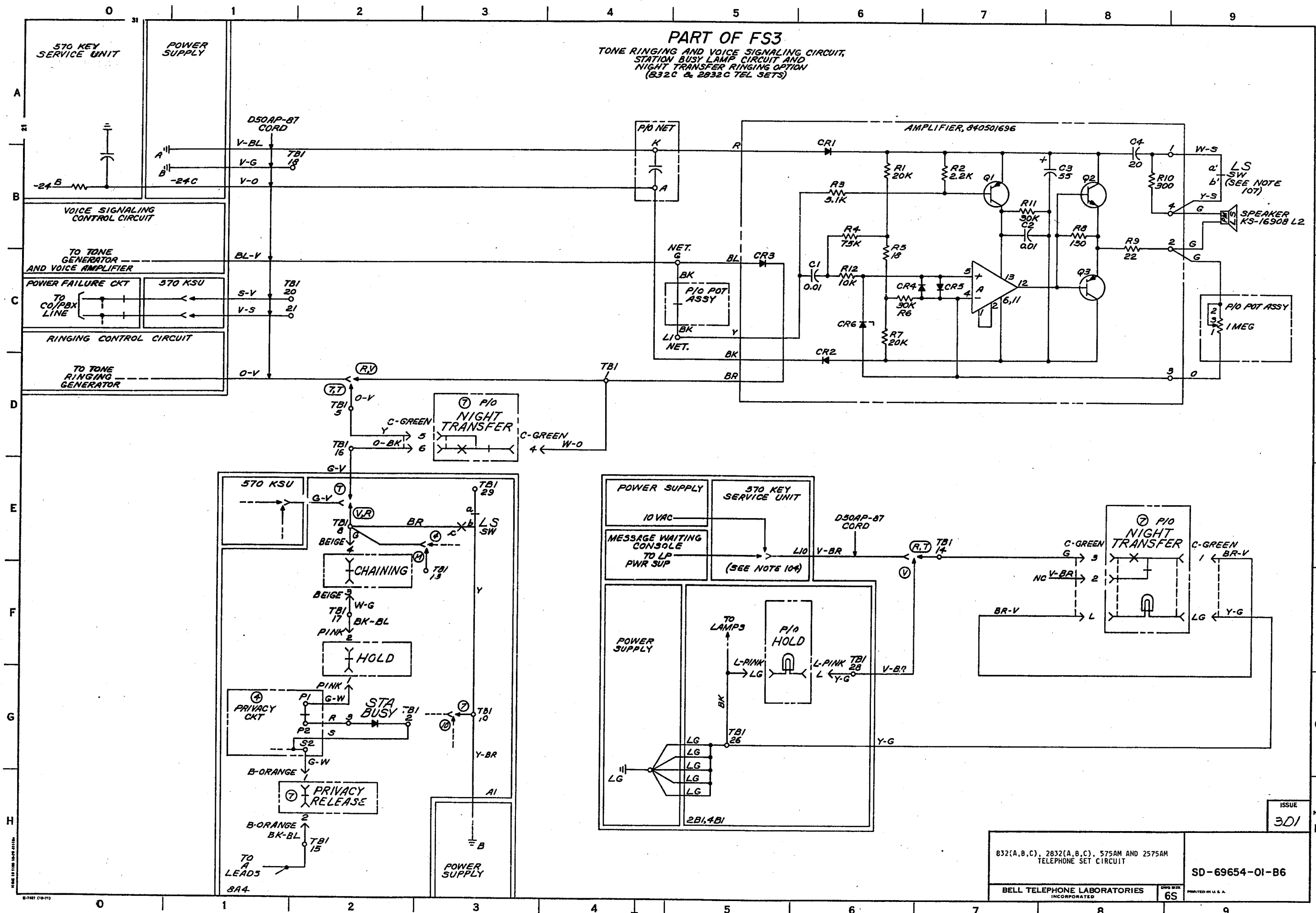








PART OF FS3
TONE RINGING AND VOICE SIGNALING CIRCUIT,
STATION BUSY LAMP CIRCUIT AND
NIGHT TRANSFER RINGING OPTION
(832C & 2832C TEL SETS)



SD-69654-01-B6

832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
TELEPHONE SET CIRCUIT

BELL TELEPHONE LABORATORIES
INCORPORATED

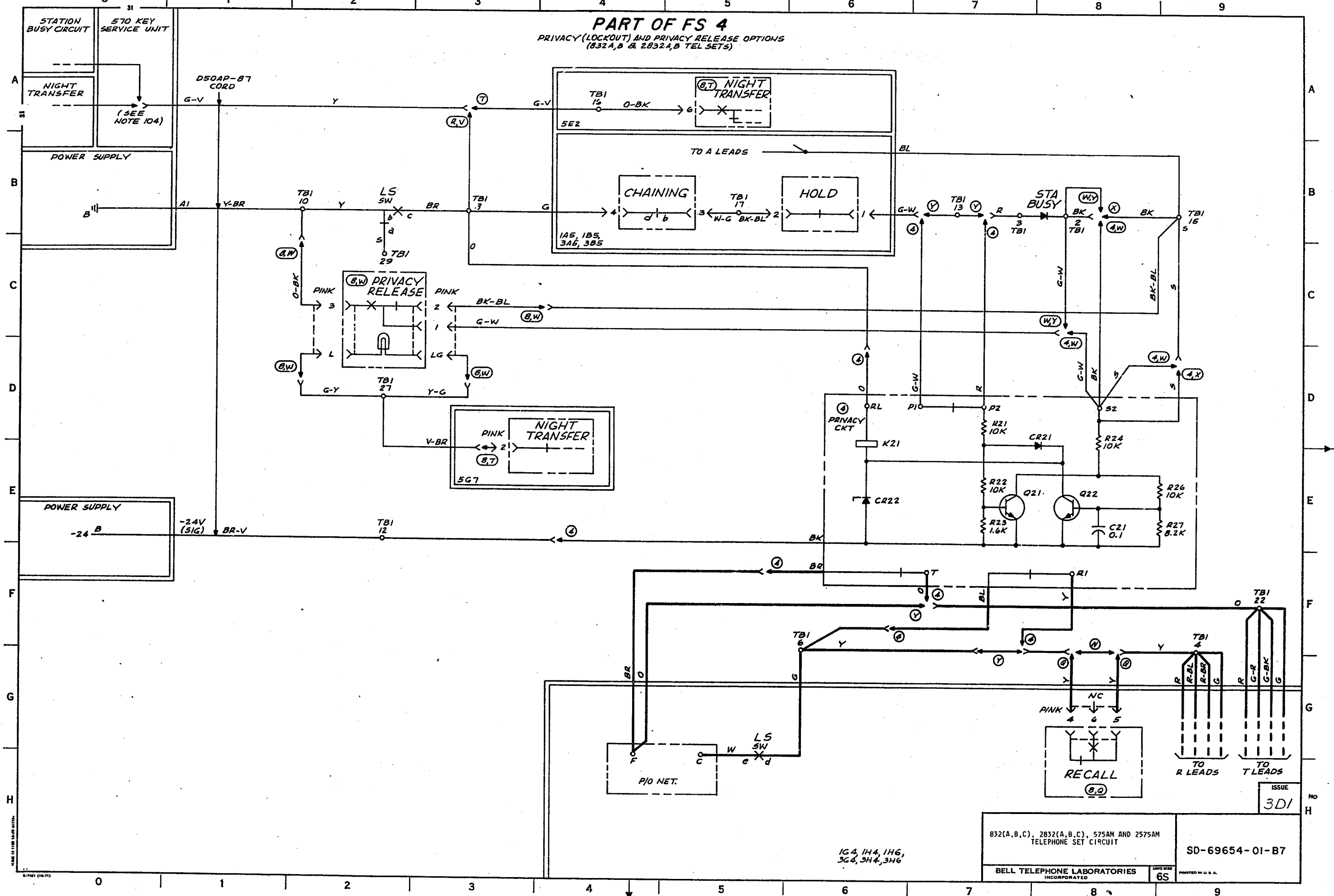
6S

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SD-69654-01-B6

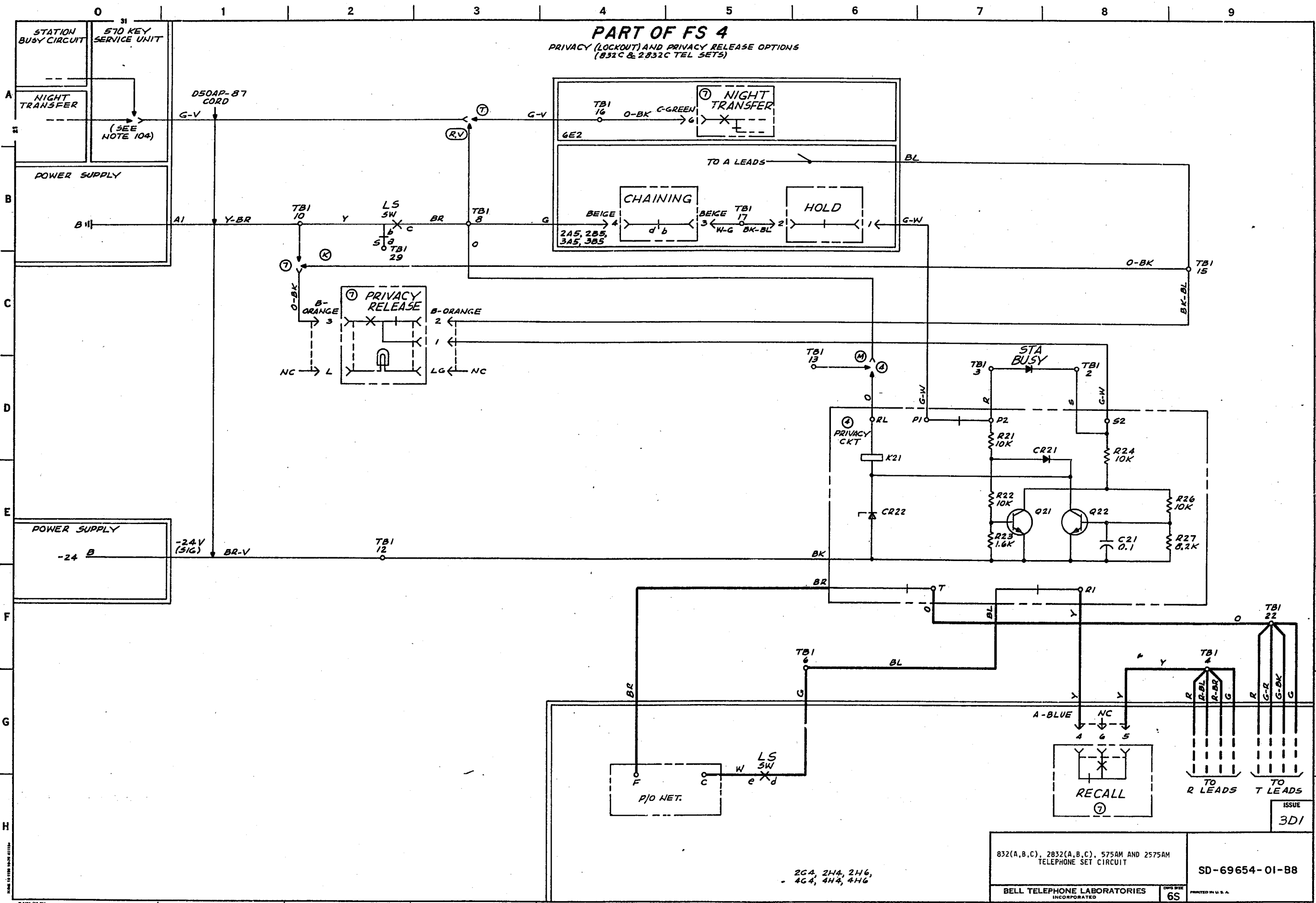
ISSUE
3D1

PART OF FS 4
PRIVACY (LOCKOUT) AND PRIVACY RELEASE OPTIONS
(832A,B & 2832A,B TEL SETS)



SD-69654-01-B7

PART OF FS 4 PRIVACY (LOCKOUT) AND PRIVACY RELEASE OPTIONS (832C & 2832C TEL SETS)



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832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
 TELEPHONE SET CIRCUIT

BELL TELEPHONE LABORATORIES
 INCORPORATED

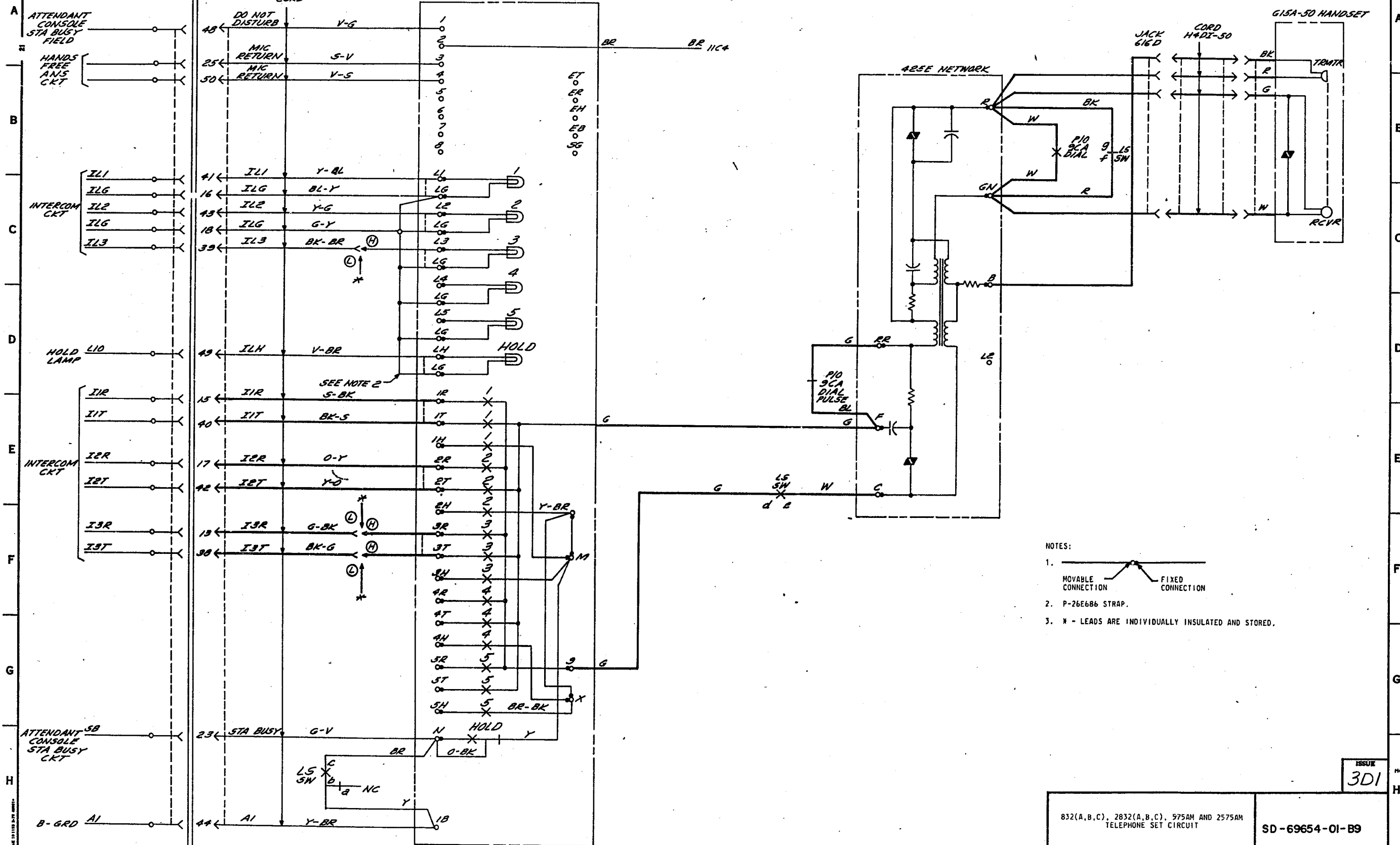
6S

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ISSUE
 3D1

FS 5
TRANSMISSION PATH
"A" LEAD AND SIGNALING CONTROL AND LAMP CKT
(575AM TEL SET)
(SEE NOTE 107)

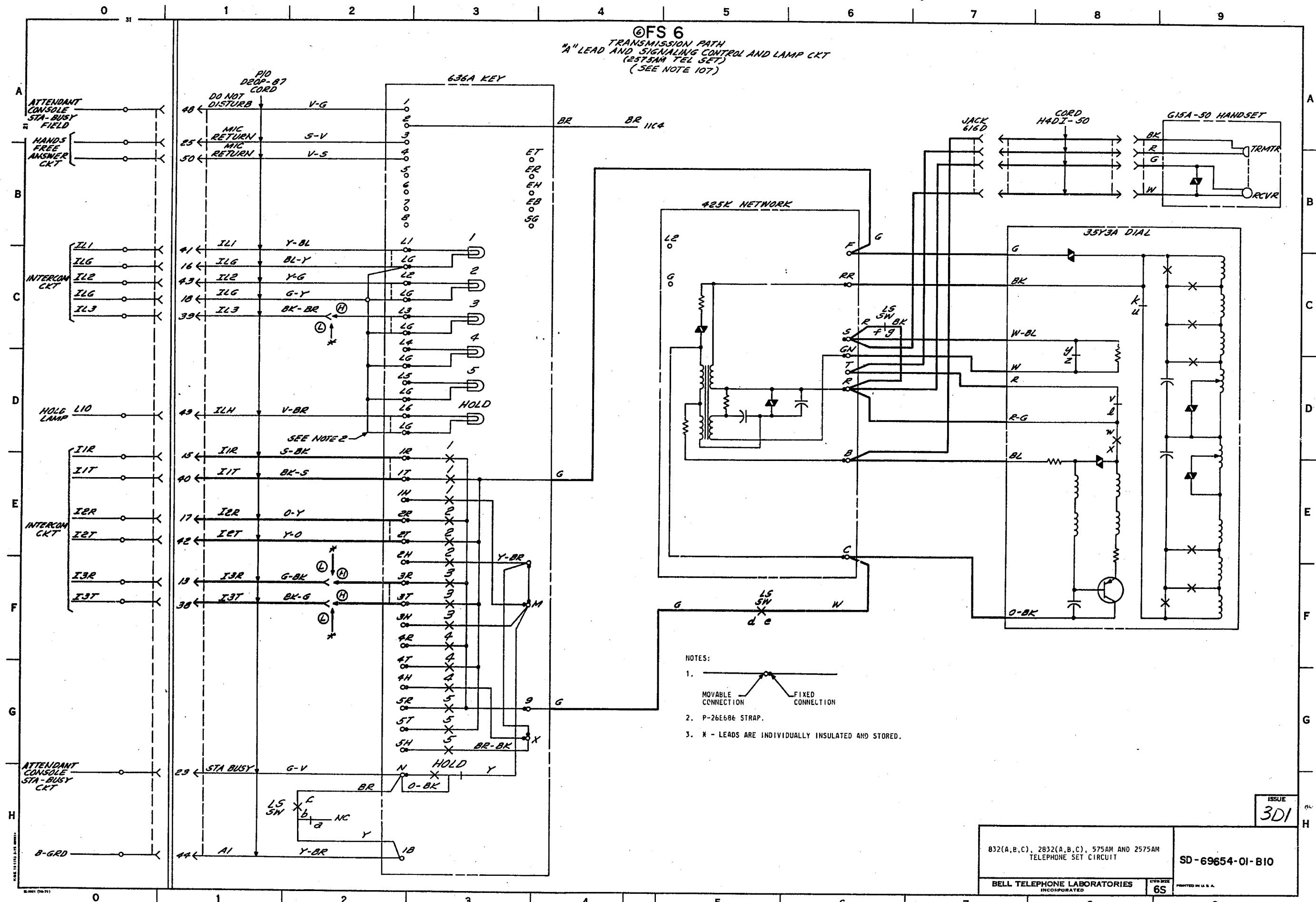


- NOTES:
- MOVABLE CONNECTION
FIXED CONNECTION
 - P-26E686 STRAP.
 - X - LEADS ARE INDIVIDUALLY INSULATED AND STORED.

SD-69654-01-B9

832(A,B,C), 2832(A,B,C), 575AM AND 2575AM TELEPHONE SET CIRCUIT		ISSUE 3DI
BELL TELEPHONE LABORATORIES INCORPORATED	6S	SD-69654-01-B9 PRINTED IN U.S.A.

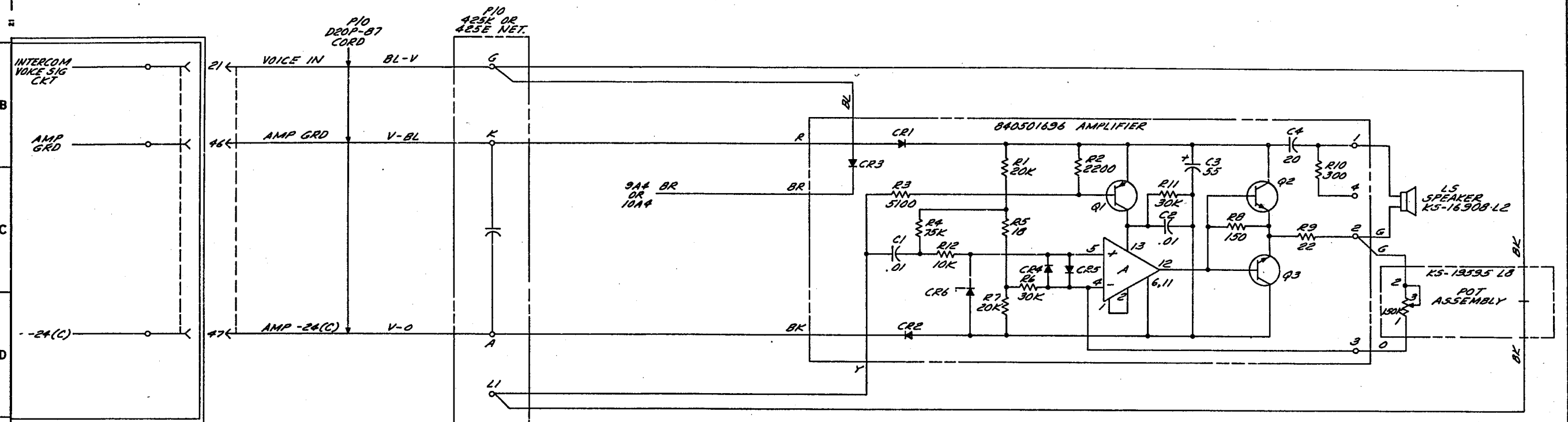
©FS 6
TRANSMISSION PATH
"A" LEAD AND SIGNALING CONTROL AND LAMP CKT
(2575AM TEL SET)
(SEE NOTE 107)



- NOTES:
1. MOVABLE CONNECTION FIXED CONNECTION
 2. P-26E686 STRAP.
 3. X - LEADS ARE INDIVIDUALLY INSULATED AND STORED.

SD-69654-01-B10

FS 7
TONE RINGING AND VOICE
SIGNALING CKT
(575AM & 2575AM TEL SETS)



SD-69654-01-B11

832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
TELEPHONE SET CIRCUIT

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

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ISSUE
3D1

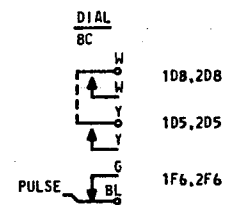
APP FIG. 1

APP FIG. 2

APP FIG. 3

APP FIG. 4

CORD
DESIG
LOC
1A1, 2A1,
5A1, 5E6,
6A1, 6E6,
7A1, 8A1
CODE
D50AP-87
(SEE NOTE
108)

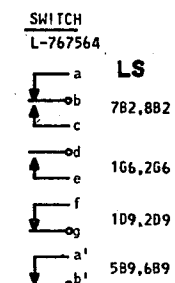


DIODE
DESIG
DIAL RESTRICT
STA BUSY
LOC
1F6, 2F6
78B, 8D7
CODE
KS-15724, L1
KS-15724, L1

HANDSET
DESIG
LOC
1C9, 2C9
CODE
G3A

KEY
DESIG
LOC
1A2, 2A2
CODE
647G5

DESIG	LOC
CODE	425E
TERM.	LOC
A	5B4, 6B4
B	1E8, 2E8
C	1G7, 2G7
F	1F7, 2F7
G	5C5, 6C5
GN	1D8, 2D8
K	5A4, 6A4
L1	5C5, 6C5
L2	
R	1D8, 2D8
RR	1F7, 2F7



TERM. NO.	LOC
1	5D4, 6D4
2	788, 8D8
3	787, 8D7
4	7F9, 8F9
5	5D2, 6D2
6	7F6, 8F6
7	
8	7B3, 8B3
9	5F7
10	7B2, 8B2
11	
12	7E2, 8E2
13	787, 8D6
14	5E7, 6E7
15	789, 8C9
16	5D2, 6D2
17	1B1, 2B1
18	5B1, 6B1
19	
20	5C1, 6C1
21	5C1, 6C1
22	7F9, 8F9
23	
24	1D4, 2D4
25	
26	1A1, 2A1
27	7D2
28	1B1, 2B1
29	7C2, 8C2
30	1D6, 2D6

CORD
DESIG
LOC
3A1, 4A1,
5A1, 5E6,
6A1, 6E6,
7A1, 8A1
CODE
D50AP-87
(SEE NOTE
108)

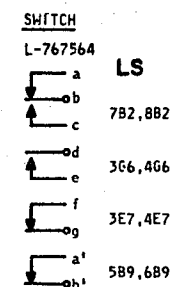
DIAL
DESIG
LOC
3D9, 4D9
CODE
35AF3A

DIODE
DESIG
STA BUSY
LOC
78B, 8D7
CODE
KS-15724, L1

HANDSET
DESIG
LOC
3C9, 4C9
CODE
G3A

KEY
DESIG
LOC
3A2, 4A2
CODE
647G5

DESIG	LOC
CODE	425K
TERM.	LOC
A	5B4, 6B4
B	3F6, 4F6
C	3F6, 4F6
F	3D6, 4D6
G	5C5, 6C5
GN	3E6, 4E6
K	5A4, 6A4
L1	5C5, 6C5
L2	
R	3E6, 4E6
RR	3D6, 4D6
S	3E6, 4E6
T	3E6, 4E6



TERM. NO.	LOC
1	5D4, 6D4
2	788, 8D8
3	787, 8D7
4	7F9, 8F9
5	5D2, 6D2
6	7F6, 8F6
7	
8	7B3, 8B3
9	5F7
10	7B2, 8B2
11	
12	7E2
13	787, 8D6
14	5E7, 6E7
15	789, 8C9
16	5D2, 6D2
17	3B1, 4B1
18	5B1, 6B1
19	
20	5C1, 6C1
21	5C1, 6C1
22	7F9, 8F9
23	
24	3F8, 4F8
25	3D8, 4D8
26	3A1, 4A1
27	7D2
28	3B1, 4B1
29	7C2, 8C2
30	

PRINTED WIRING ASSEMBLY
DESIG
LOC
5A7, 6A7,
11B6
CODE
840501696

POTENTIOMETER
DESIG
LOC
5C5, 5C9,
6C5, 6C9,
11C9
CODE
KS-13806 L34

SPEAKER
DESIG
LOC
5B9, 6B9,
11C9
CODE
KS-16908 L2

PRINTED WIRING ASSEMBLY
DESIG
PRIVACY CKT
LOC
7D6
CODE
D-180486

SD-69654-01-CI

832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
TELEPHONE SET CIRCUITBELL TELEPHONE LABORATORIES
INCORPORATED

6S

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SD-69654-01-CI

ISSUE
3D1

APP FIG. 5

CORD
D20P-87

CONDUCTOR			TERMINATION		
PIN NO.	WIRE COLOR	LOC	DEVICE	TERM.	LOC
1	BL-W				
26	W-BL				
2	O-W				
27	W-O				
3	G-W				
28	W-G				
4	BR-W				
29	W-BR				
5	S-W				
30	W-S				
6	BL-R				
31	R-BL				
7	O-R				
32	R-O				
8	G-R				
33	R-G				
9	BR-R				
34	R-BR				
10	S-R				
35	R-S				
11	BL-BK				
36	BK-BL				
12	O-BK				
37	BK-O				
13	G-BK	9F1	KEY	3R	9F2
38	BK-G	9F1	KEY	3T	9F2
14	BR-BK	SPARE			
39	BK-BR	9C1	KEY	L3	9C2
15	S-BK	9E1	KEY	1R	9E2
40	BK-S	9E1	KEY	1T	9E2
16	BL-Y	9C1	KEY	LG	9C2
41	Y-BL	9C1	KEY	L1	9C2
17	O-Y	9E1	KEY	2R	9E2
42	Y-O	9E1	KEY	2T	9E2
18	G-Y	9C1	KEY	LG	9C2
43	Y-G	9C1	KEY	L2	9C2
19	BR-Y	SPARE			
44	Y-BR	10H1	KEY	1B	9H2
20	S-Y	SPARE			
45	Y-S	SPARE			
21	BL-V	11B1	NET	G	11B3
46	V-BL	11B1	NET	K	11B3
22	O-V	SPARE			
47	V-O	11D1	NET	A	11D3
23	G-V	9H1	NET	N	9H2
48	V-G	9A1	KEY	J	9A2
24	BR-V	SPARE			
49	V-BR	9D1	KEY	LH	9D2
25	S-V	9A1	KEY	3	9A2
50	V-S	9B1	KEY	4	9B2

HANDSET
DESIGLOC
9A9CODE
G15A-50JACK
DESIGLOC
9A8CODE
616DKEY
DESIGLOC
9A3CODE
636A

NETWORK

DESIG	
CODE	425E
TERM.	
A	11D3
B	9C7
C	9E6
F	9E6
G	11B3
GN	9C7
K	11B3
L1	11D3
L2	9D7
R	9B7
RR	9D6

CORD

DESIG

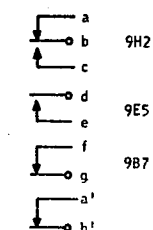
LOC
9A8CODE
H4DI-50

DIAL

DESIG

LOC
9B7, 9E5CODE
9CASWITCH
LS

KS-767564



APP FIG. 6

CORD
D20P-87

CONDUCTOR			TERMINATION		
PIN NO.	WIRE COLOR	LOC	DEVICE	TERM.	LOC
1	BL-W				
26	W-BL				
2	O-W				
27	W-O				
3	G-W				
28	W-G				
4	BR-W				
29	W-BR				
5	S-W				
30	W-S				
6	BL-R				
31	R-BL				
7	O-R				
32	R-O				
8	G-R				
33	R-G				
9	BR-R				
34	R-BR				
10	S-R				
35	R-S				
11	BL-BK				
36	BK-BL				
12	O-BK				
37	BK-O				
13	G-BK	10F1	KEY	3R	10F2
38	BK-G	10F1	KEY	3T	10F2
14	BR-BK	SPARE			
39	BK-BR	10C1	KEY	L3	10C2
15	S-BK	10E1	KEY	1R	10E2
40	BK-S	10E1	KEY	1T	10E2
16	BL-Y	10C1	KEY	LG	10C2
41	Y-BL	10C1	KEY	L1	10C2
17	O-Y	10E1	KEY	2R	10E2
42	Y-O	10E1	KEY	2T	10E2
18	G-Y	10C1	KEY	LG	10C2
43	Y-G	10C1	KEY	L2	10C2
19	BR-Y	SPARE			
44	Y-BR	10H1	KEY	1B	10H2
20	S-Y	SPARE			
45	Y-S	SPARE			
21	BL-V	11B1	NET	G	11B3
46	V-BL	11B1	NET	K	11B3
22	O-V	SPARE			
47	V-O	11D1	NET	A	11D3
23	G-V	10H1	NET	N	10H2
48	V-G	10A1	KEY	I	10A2
24	BR-V	SPARE			
49	V-BR	10D1	KEY	LH	10D2
25	S-V	10A1	KEY	3	10A2
50	V-S	10B1	KEY	4	10B2

HANDSET
DESIGLOC
10A9CODE
615A-50JACK
DESIGLOC
10A7CODE
616DKEY
DESIGLOC
10A3CODE
636A

NETWORK

DESIG	
CODE	425K
TERM.	
A	11D3
B	10E6
C	10E6
F	10C6
G	11B3
GN	10C6
K	11B3
L1	11D3
L2	10C5
R	10D6
RR	10C6
S	10C6
T	10D6

APP FIG. 7

KEY
DESIGCODE
647S5

E/W

KEY

DESIG

LOC

NIGHT TRANSFER

6D3, 6E8

PRIVACY RELEASE

8C2

RECALL

2G7, 4G6

APP FIG. 8

KEY

DESIG

LOC

CODE

① NIGHT TRANSFER

5D3, 5E8

651C

② PRIVACY RLS

7C2

651D

③ RECALL

1G7, 3G7

651F

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

102.

FEATURE OR OPTION		APP FIG.	APP OR WRG	QUANTITY
832A (A&M ONLY)		1,3		1 PER TEL SET
2832A (A&M ONLY)		2,3		
PRIVACY CKT	PROV	4		OPTIONAL 1 PER TEL SET FIELD INSTALLED SEE NOTE 1
	NOT PROV		Y	
PRIVACY RELEASE	PROV	8	W	
	NOT PROV		X	
RECALL	PROV	8	Q	
	NOT PROV		N	
IC CODE	CODE 0	WITH NT	8	T
	NOT CODE 0	W/O NT		R
832B		1,3		1 PER TEL SET
2832B		2,3		
PRIVACY CKT	PROV	4		OPTIONAL 1 PER TEL SET FIELD INSTALLED
	NOT PROV		Y	
PRIVACY RELEASE		NOT PROV	X	NOT AVAILABLE
RECALL		PROV	8	Q
IC CODE		NOT CODE 0		V
832C		1,3,7		1 PER TEL SET
2832C		2,3,7		
PRIVACY CKT	STANDARD	4		STANDARD 1 PER TEL SET FACTORY INSTALLED
	DISABLE		M	
PRIVACY RELEASE	STANDARD	7		K
	DISABLE			
RECALL		PROVIDED	7	
IC CODE	CODE 0	WITH HT	7	T
	NOT CODE 0	W/O HT		R
575AM		3,5		1 PER TEL SET
2575AM		3,6		
IC LINK 3	PROVIDED	H		1 PER TEL SET FIELD INSTALLED
	NOT PROVIDED	L		
ALL CODES (SEE NOTE 109)	DIAL RESTRICT	PROVIDED		Z
		NOT PROVIDED		S

NOTES:

1. TEL SET MAY BE PROVIDED WITH ONE AND ONLY ONE OF THE OPTIONS PRIVACY RELEASE, RECALL OR NIGHT TRANSFER.

CIRCUIT NOTES: (CONT)

103.

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				STD	A&M MD
3D1		STA SET 832A	102		STA SET 832A
3D1		STA SET 2832A	102		STA SET 2832A
3D1	Q		102	Q	
3D1	N		102	N	
3D1	M		102	M	
3D1	K		102	K	

104. WHENEVER THE TEL SET IS USED AS INTERCOM CODE 0 (I.E. ATTENDANT) THE COMMON EQUIPMENT IS WIRED SUCH THAT 10VAC IS ALWAYS PRESENT ON THE V-BR LEAD AND THE G-V LEAD IS WIRED TO THE NIGHT TRANSFER TERMINAL. THEREFORE PROVIDE THE R OPTION AS FOLLOWS:

COLOR	FROM	TO
G-V	TB1-8	TB1-16
V-BR	TB1-28	TB1-14

105. INTERCOM PATH KEYS ARE INTERLOCKED WITH KEYS 1 THROUGH 7, SUCH THAT INTERCOM KEYS CANNOT BE OPERATED CONCURRENTLY WITH ANY KEY 1 THROUGH 7 AND VICE VERSA.

106. THE CHAINING SWITCH IS A MOMENTARY SWITCH AND OPERATES WHEN ANY KEY IS DEPRESSED OR RELEASED.

107. LINE SWITCH SEQUENCE

REMOVING HANDSET:

- bc MAKES
- de MAKES
- ab BREAKS
- fg BREAKS
- a'b' BREAKS (NO SEQUENCE REQUIREMENT)

RESTORING HANDSET:

- fg MAKES
- ab MAKES
- de BREAKS
- bc BREAKS
- a'b' MAKES (NO SEQUENCE REQUIREMENT)

108. EARLY VERSION SETS MAY BE FURNISHED WITH A D50AL MOUNTING CORD. IN THESE EARLY VERSION SETS TIP AND RING OF ALL LINE PICKUP BUTTONS AND ALL LAMP GROUND ARE COMMON THROUGH CONTACT STRIPS WHICH PLUG INTO KEY BEFORE 50B-TYPE PLUGS ARE CONNECTED. SETS EQUIPPED WITH A D50AP MOUNTING CORD DO NOT USE CONTACT STRIPS. LEADS ARE PROVIDED IN THIS CORD FROM THE KEY TERMINAL PLUGS TO THE SET TERMINAL STRIP.

109. THE 575AM AND 2575AM TEL SETS ARE FOR INTERCOM ONLY. NO CO OR PBX LINES APPEAR AT THE TEL SET. DIAL RESTRICT OPTION IS NOT PROVIDED FOR THESE SETS.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302. WHEN 4-TYPE SPEAKERPHONE IS PROVIDED, CONNECT AS FOLLOWS:

4-TYPE SPEAKERPHONE CONNECTIONS

M16C CORD		TEL SET LEAD	REMOVE FROM AMPLIFIER TERM.	CONNECT TO	
LEAD DESIG	LEAD COLOR			TEL SET TERM.	AMPLIFIER TERM.
A1	W-BR			10	
AG	W-O			8	
R1	BL-W			6	
T1	W-BL			25 *	
IR *	G-W			24	
P4 *					
IT *	W-G			30	
P3 *					
LK	O-W			29	
		W-S	1	19 Δ	
	S-W			19 Δ	
	BL-R				1

* TOUCH-TONE TELEPHONE SETS.

Δ ROTARY TELEPHONE SETS.

Δ IN SETS EQUIPPED WITH THE D50AL MOUNTING CORD TERMINAL 19 IS NOT A SPARE TERMINAL, USE A D-161488 CONNECTOR.

WORKING LIMITS:

THE MAXIMUM LOOP RESISTANCE BETWEEN THIS CIRCUIT AND THE COMMON EQUIPMENT IS 50 OHMS.

CIRCUIT NOTES
INFORMATION NOTES

832(A,B,C), 2832(A,B,C), 575AM AND 2575AM
TELEPHONE SET CIRCUIT

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

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