DWG ISSUE	CD ISSUE	DATE ISSUED		APP
1	1	5-20-76	C&O JWG	DJS LEG RFG
2B	2B	12-12-77	LBS	DJS EN RFG
3BU	2B APPX 1BU	1-28-82	AS JLO	GJR JCM RTE

SHEET INDEX

CONTENTS		SHEET NO.	ISSUE NO. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SHEET INDEX SUPPORTING INFORMATION		A1	1	2	3																						
APPARATUS INDEX LEAD INDEX OPTION INDEX		A2	1	2	2																						
FS 1 DISTRIBUTE POINT APPLIQUE CKT	0,1	B1	1	2	2																						
	2	B2		2	2																						
	3	B3		2	2																						
APP FIG. 1		C1	1	2	2																						
CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES		D1	1	2	3																						
INFORMATION NOTES (CONT)		D2			3																						
CAD A1		GA1	1	2	3																						
		GA2	1	2	3																						
CAD A2		GA3	1	2	2																						
CAD A3		GA4	1	1	3																						
CAD 1 UNIT SYMBOL		GB2		2	2																						

CONTENTS	SHEET NO.	ISSUE NO.

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

CATEGORY	NO.
EQUIPMENT DRAWING	J3H001EF

USED ON

FRAME SD	PROJECT	CONTROL
SD-3H903-01	ESS NO. 3	IH

ISSUE 3BU

1T11

ELECTRONIC SWITCHING SYSTEMS

NO. 3
DISTRIBUTE POINT APPLIQUE
CIRCUIT

AT&TCO STANDARD

(2)

SD-3H911-01-A1
13 SHEETS

BELL TELEPHONE LABORATORIES INCORPORATED 6S

PRINTED IN U.S.A.

LEAD INDEX

DESIG	LOCATION FS	LOCATION CAD
CONNECTING CKT		
A0-2B	1E8	A4D3
A0-2M	1C8	A4D3
A0-3	1F8	A1H4
A0-3B	1F8	A1H4
A0-3M	1F8	A1H4
A1-10B	1E8	A4D3
A1-10M	1C8	A4D3
A1-11	1F8	A2H4
A1-11B	1F8	A2H4
A1-11M	1F8	A2H4
A2-2B	2E8	A4D3
A2-2M	2C8	A4D3
A2-3	2F8	A1H4
A2-3B	2F8	A1H4
A2-3M	2C8	A1H4
A3-10B	3E8	A4D3
A3-10M	3C8	A4D3
A3-11	3F8	A2H4
A3-11B	3F8	A2H4
A3-11M	3C8	A2H4
RL20-1	1C8, 1E8	A4D3
RL21-1	1C8, 1E8	
RL22-1	2C8, 2E8	
RL23-1	3C8, 3E8	A4D3

DESIG	LOCATION FS	LOCATION CAD
SIGNALING AND TRANSMISSION FACILITIES		
A0-2B	1E8	A4D3
A0-2M	1C8	
A1-10B	1E8	
A1-10M	1C8	
A2-2B	2E8	
A2-2M	2C8	
A3-10B	3E8	
A3-10M	3C8	
RL20-1	1C8, 1E8	
RL21-1	1C8, 1E8	
RL22-1	2C8, 2E8	
RL23-1	3C8, 3E8	A4D3

DISTRIBUTE POINT CKT

R10-2	1G1	A3C0
R11-2	1G1	A3C3
R12-2	2G1	A3C5
R13-2	3G1	A3C8, A3

OPTION INDEX

APP OR WRG	RATED ON ISS	REF NOTES	LOCATION
* Z	STD 1		1E2
* Y	STD 1		1D2
* X	STD 1		1C2
* W	STD 1		1C3, 1D3
* V	STD 1		1D4
* U	STD 1		1C4
* T	STD 2B		3G1, CAD A2
* S	STD 2B		3G1, 3E4, 3G7 CAD A1, CAD A2

* NON-RECORD OPTION

ISSUE 2B

DISTRIBUTE POINT APPLIQUE (2) SD-3H911-01-A2

BELL TELEPHONE LABORATORIES INCORPORATED 6S

PART OF FS 1

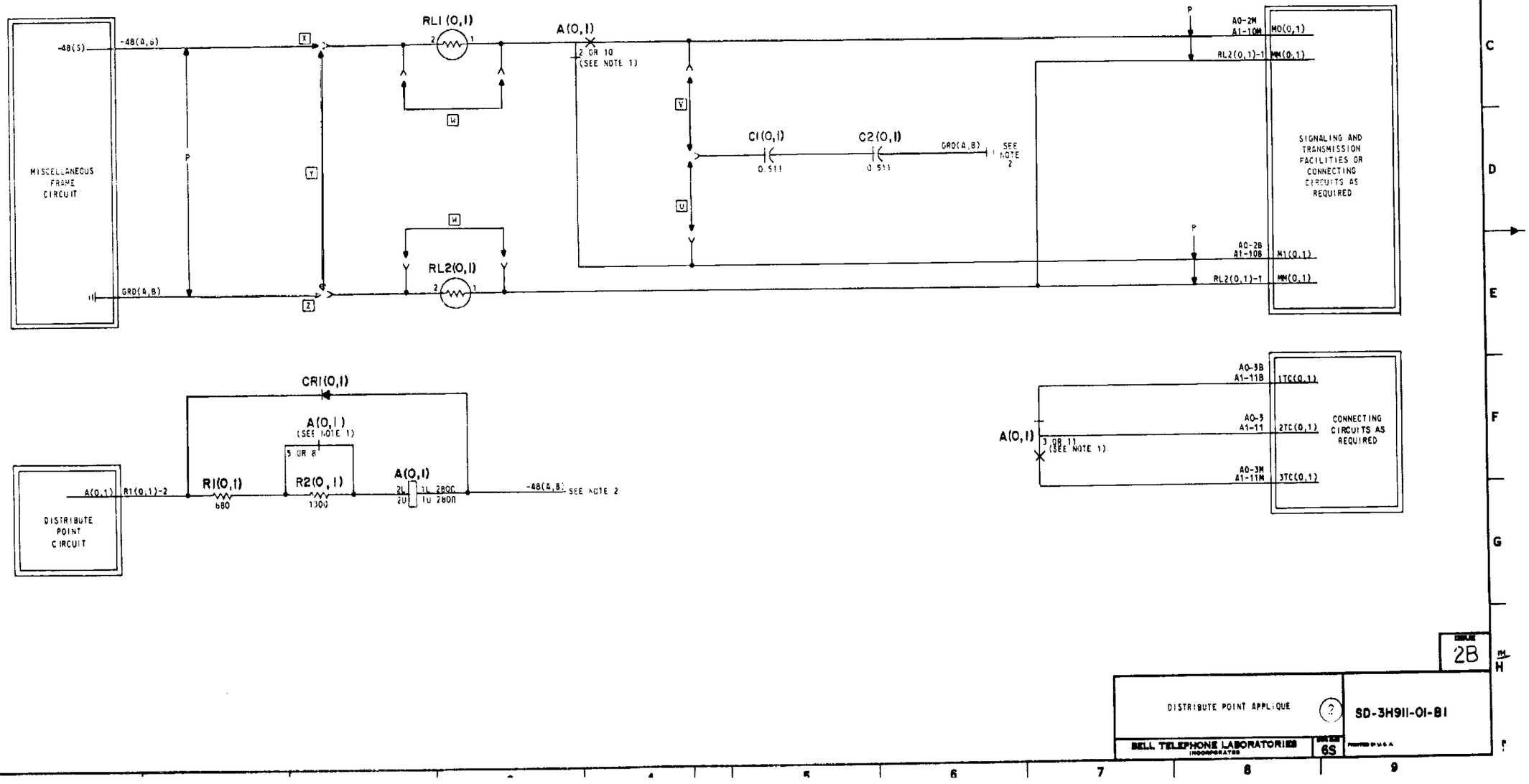
DISTRIBUTE POINT APPLIQUE CIRCUIT 0,1

NOTES:

1. SPRINGS 1 TO 5 WITH COIL TERMINALS 1L AND 2L ARE ASSOCIATED WITH CIRCUITS 0,2 OF THE UNIT.

   SPRINGS 8 TO 12 WITH COIL TERMINALS 1U AND 2U ARE ASSOCIATED WITH CIRCUITS 1,3 OF THE UNIT.

2. CIRCUITS 0 AND 2 ARE MULTIPLED TO "A" BUS BATTERY AND GROUND. CIRCUITS 1 AND 3 ARE MULTIPLED TO "B" BUS BATTERY AND GROUND.



2B

DISTRIBUTE POINT APPLIQUE	2	SD-3H911-01-81
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

PART OF FS I

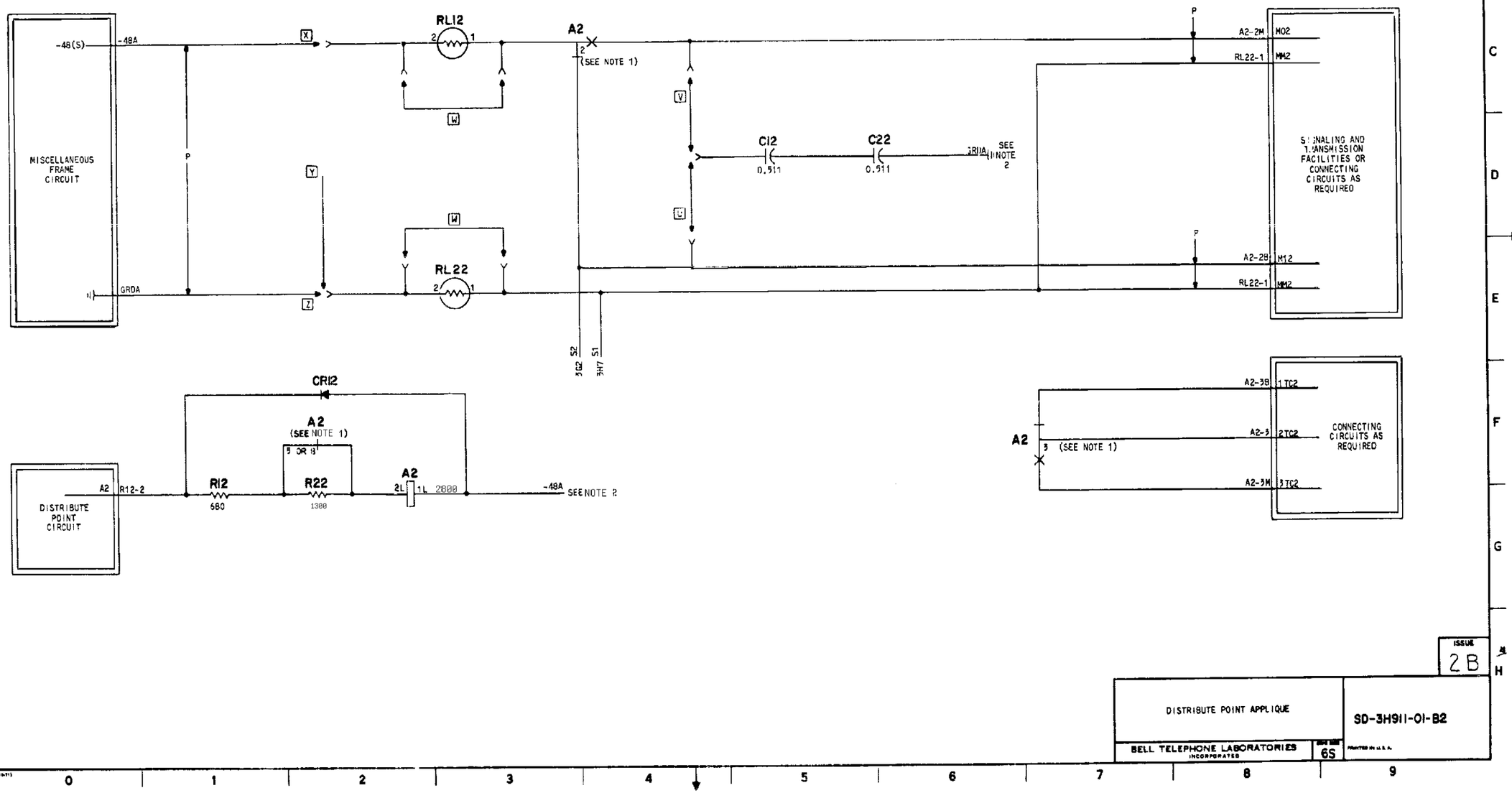
DISTRIBUTE POINT APPLIQUE CIRCUIT 2

NOTES:

1. SPRINGS 1 TO 5 WITH COIL TERMINALS 1L AND 2L ARE ASSOCIATED WITH CIRCUITS 0,2 OF THE UNIT.

   SPRINGS 8 TO 12 WITH COIL TERMINALS 1U AND 2U ARE ASSOCIATED WITH CIRCUITS 1,3 OF THE UNIT.

2. CIRCUITS 0 AND 2 ARE MULTIPLED TO "A" BUS BATTERY AND GROUND. CIRCUITS 1 AND 3 ARE MULTIPLED TO "B" BUS BATTERY AND GROUND.



ISSUE 2B

DISTRIBUTE POINT APPLIQUE

SD-3H911-01-B2

BELL TELEPHONE LABORATORIES INCORPORATED

6S

PART OF FS I

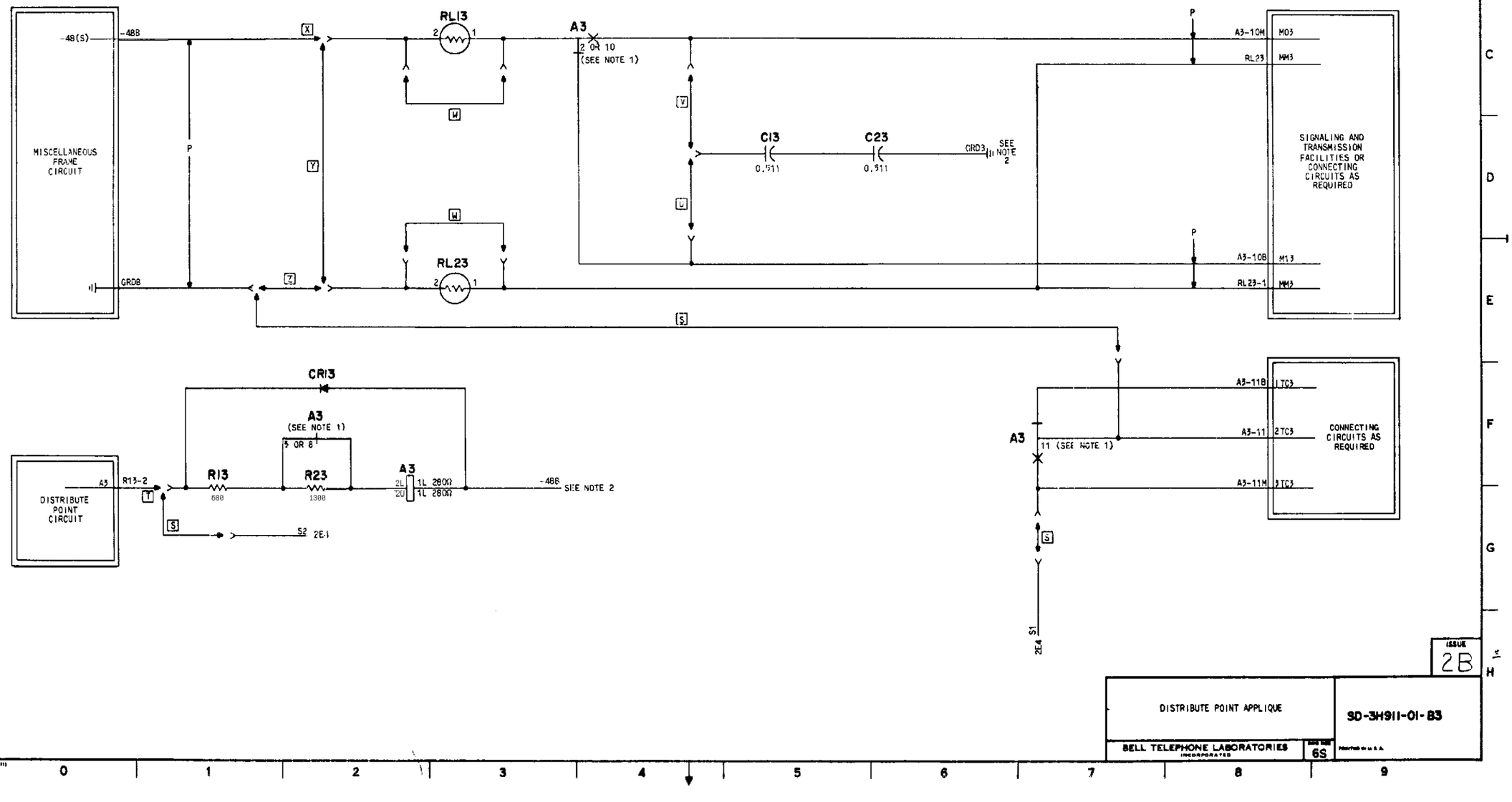
DISTRIBUTE POINT APPLIQUE CIRCUIT 3

NOTES:

1. SPRINGS 1 TO 5 WITH COIL TERMINALS 1L AND 2L ARE ASSOCIATED WITH CIRCUITS 0,2 OF THE UNIT.

   SPRINGS 8 TO 12 WITH COIL TERMINALS 1U AND 2U ARE ASSOCIATED WITH CIRCUITS 1,3 OF THE UNIT.

2. CIRCUITS 0 AND 2 ARE MULTIPLED TO "A" BUS BATTERY AND GROUND. CIRCUITS 1 AND 3 ARE MULTIPLED TO "B" BUS BATTERY AND GROUND.



ISSUE 2B

DISTRIBUTE POINT APPLIQUE

SD-3H911-01-83

BELL TELEPHONE LABORATORIES INCORPORATED

6S

APP FIG. 1

RELAY

DESIG	A0		A1		A2		A3										DESIG
CODE	AK5b						AK5b										CODE
OPTION																	OPTION
	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	
12			EB				EB										12
11			EBM	1F7			EBM	3F7									11
10			EBM	1C4			EBM	3C4									10
9			EMB				EBM										9
8			EMB	1F2			EBM	3F2									8
7																	7
6																	6
5	EMB	1F2			EMB	2F2											5
4	EMB				EMB												4
3	EBM	1F7			EBM	2F7											3
2	EBM	1C4			EBM	2C4											2
1	EB				EB												1
COIL		1F2		1F2		2G2		3G2									COIL

CAPACITOR

	DESIG	LOC	CODE
[2]	C1(0.1)	1D5	535CE, 0.51
	C12	2D5	535CE, 0.51
	C13	3D5	535CE, 0.51
[2]	C2(0.1)	1D6	535CE, 0.51
	C22	2D6	
	C23	3D6	535CE, 0.51
			535CE, 0.51

DIODE

	DESIG	LOC	CODE
[2]	CR1(0,1)	1F2	458A
	CR12	2F2	458A
	CR13	3F2	458A

RESISTANCE LAMP

	DESIG	LOC	CODE
[2]	RL1(0,1)	1C3	13L
	RL12	2C3	13L
	RL13	3C3	13L
[2]	RL2(0,1)	1E3	13L
	RL22	2E3	13L
	RL23	3E3	13L

RESISTOR

	DESIG	LOC	CODE
[2]	R1(0,1)	1G1	KS-19152 L2,680
	R12	2G1	KS-19152 L2,680
	R13	3G1	KS-19152 L2,680
[2]	R2(0,1)	1G2	KS-19152 L1,1300
	R22	2G2	KS-19152 L1,1300
	R23	3G2	KS-19152 L1,1300

ISSUE 2B

DISTRIBUTE POINT APPLIQUE (2)

SD-3H911-01-CI

BELL TELEPHONE LABORATORIES INCORPORATED

6S

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	0.75A	-48 SIG	APP FIG.1

BATTERY SYMBOL	VOLTAGE RANGE
-48SIG	-42.75 TO -52.5V

102.

FEATURE OR OPTION	PROVIDE APP FIG.	PROVIDE APP OR WRG (SEE NOTE 107)	QUANTITY
DISTRIBUTE POINT APPLIQUE	1		1 PER 4 CKT
REMOTE CKT REQUIRES SIGNALING OVER SINGLE WIRE (SEE NOTE 105,108)	*	CLOSURE: V,X,Z OPEN: U,X,Z	
REM CKT REQ -48V SIGNALING OVER A PAIR (SEE NOTE 108)	*	CLOSURE: V,X,Z OPEN: U,X,Z	
REMOTE CKT REQUIRES A CONTACT CLOSURE OVER A PAIR(SEE NOTE 108)	*	CLOSURE: V,Y OPEN: U,Y	
LOCAL CKT REQUIRES TWO TRANSFER CONTACTS (SEE NOTE 106,108)	*	W,Y	
NON-DEDICATED LOCAL TEST DESK (SEE NOTE 302)	*	DPAC0: W,Y,Z DPAC1: W,Y,Z DPAC2: S,W,Y DPAC3: S,W,Y	
DIAL TONE DELAY ALARM (SEE NOTE 106,108 AND 303)	*	W,Y	

* NON-RECORD OPTION

103.

RECORD OF 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
2B			108	S*, T*		

* NON-RECORD OPTION

104.

SCAN POINT ASSIGNMENT		
CIRCUIT	SUPERVISORY	DIRECTED
OPA	NONE	NONE

105. THE MM LEAD IS PROVIDED FOR TWO WIRE SIGNALING. WHEN SINGLE WIRE SIGNALING IS USED, THE GROUND MM LEAD SERVES AS A SHIELD FOR THE MO OR M1 LEAD.

106. LEADS 1TC_, 2TC_, 3TC_, ARE WIRED TO CONNECTING CIRCUITS ON A JOB ENGINEERED BASIS.

107. CLOSURE - RELAY CONTACT NORMALLY RELEASED.
OPEN - RELAY CONTACT NORMALLY OPERATED.

108. WHEN CIRCUIT 3 IS USED TO PROVIDE FEATURE, OPTION T MUST ALSO BE PROVIDED.
(SEE NOTE 1, SHEET GA3)

EQUIPMENT NOTES:

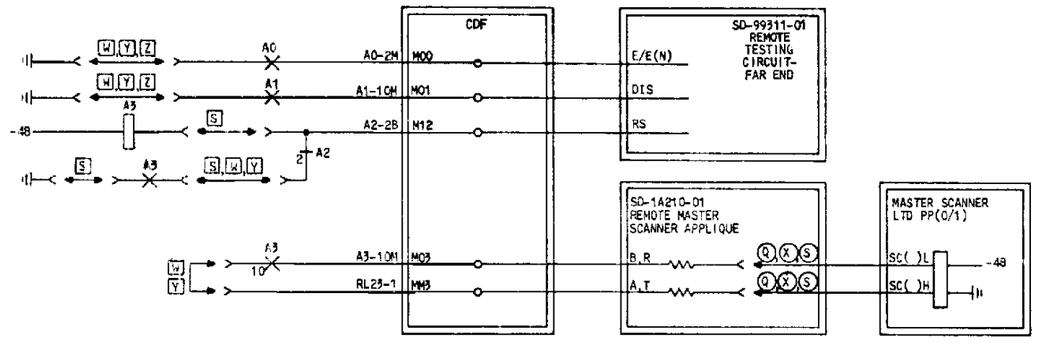
201. UNPROTECTED CONTRACTS SHOULD NEVER LEAVE OFFICE.

202. THIS CIRCUIT CAN BE MOUNTED ON THE MISCELLANEOUS FRAME ONLY.

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. INTRA AND INTER UNIT WIRING FOR NON-DEDICATED LOCAL TEST DESK FAETURE.
(SEE NOTE 1, SHEET GA3)



303. INTRA AND INTER UNIT WIRING FOR DIAL TONE DELAY RM (SD-1A277-01) RELAYS MUST BE ASSIGNED SO THAT INHIBIT (INH) RELAY IS CONTROLLED BY POINT 'A' OF A PERIPHERAL DECODER TRIPLET AND RESET (RST) RELAY IS CONTROLLED BY POINT 'B' OF THE SAME TRIPLET.POINT 'C' OF THE SAME TRIPLET SHOULD NEVER BE USED. POINT'A' WILL ALSO CONTROL A FERROD SENSOR VIA A SECOND CONTACT AND THE REMOTE MASTER SCANNER APPLIQUE CIRCUIT.

ISSUE 3BU

DISTRIBUTE POINT APPLIQUE (2)

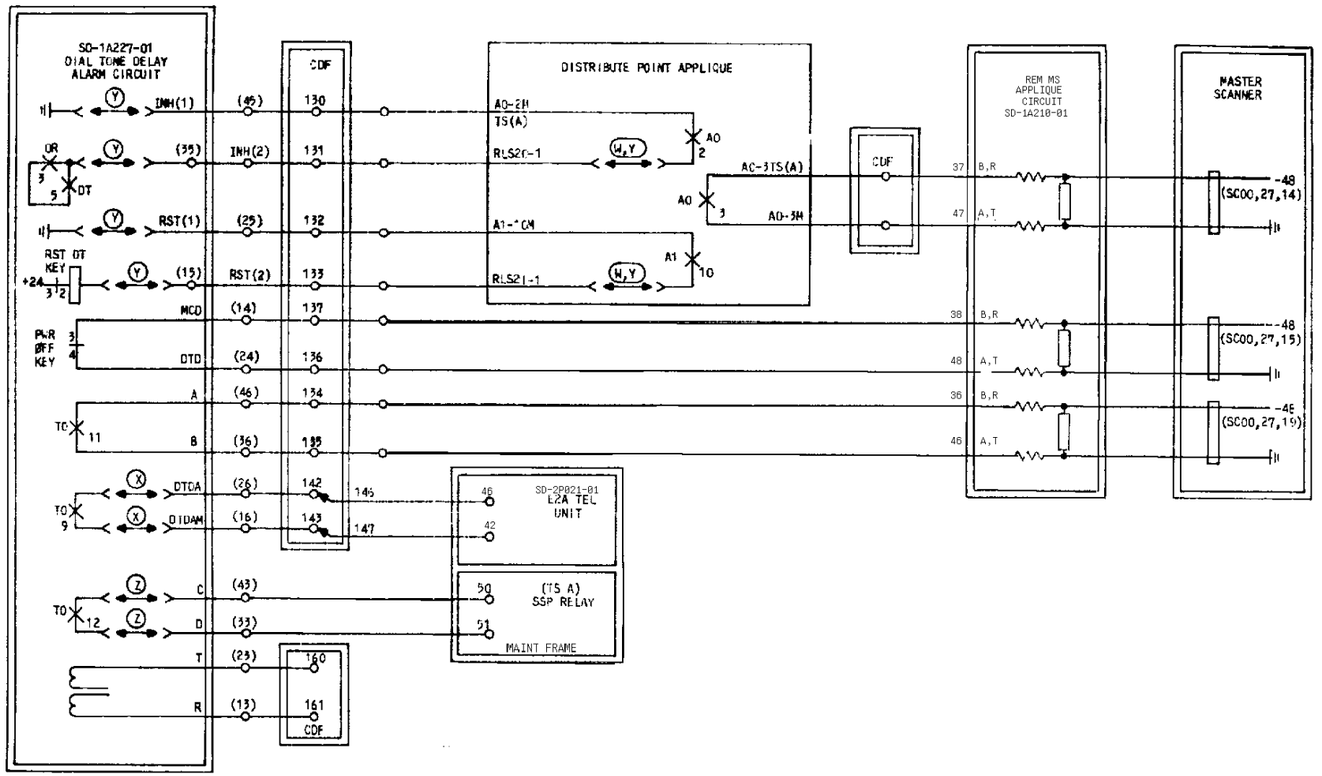
SD-3H911-01-DI

BELL TELEPHONE LABORATORIES INCORPORATED

SHEET NO. 65

INFORMATION NOTES: (CONT)

303. (CONT)

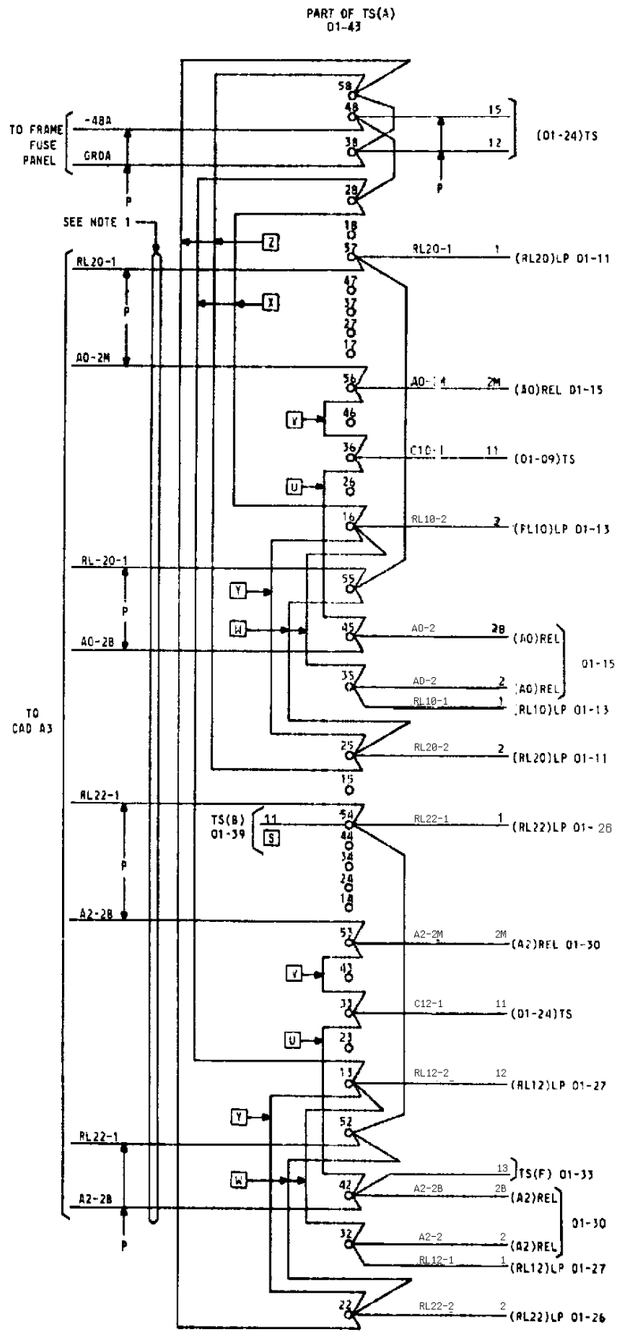


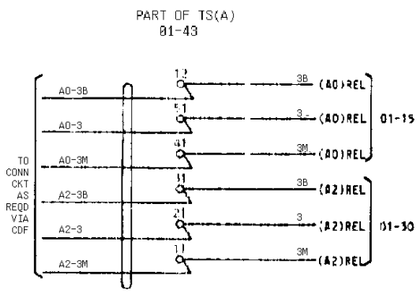
DISTRIBUTE POINT APPLIQUE	DWG SIZE A3	ISSUE 3BU
BELL LABORATORIES	SD-3H911-01	D2

PART OF CAD AI

NOTES:

1. DESIGN CABLE FOR LOWEST UNIT ON THE FRAME.





ISSUE 3BU

DISTRIBUTE POINT APPLIQUE (2)

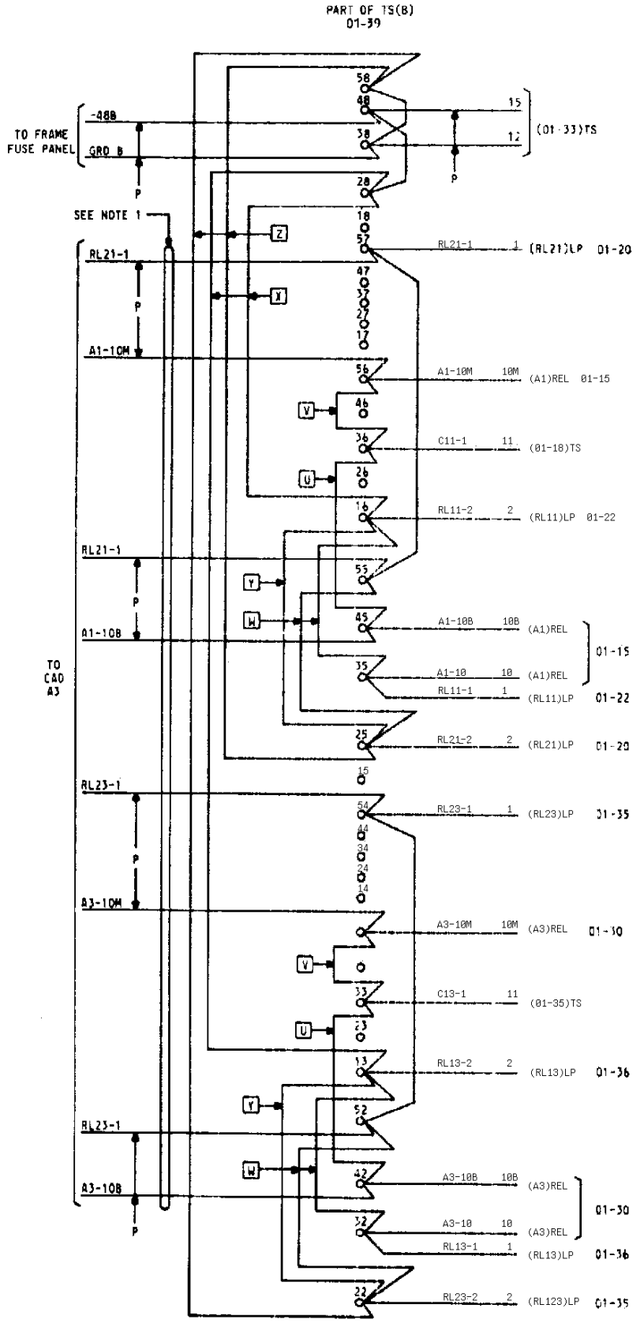
SD-3H911-01-GAI

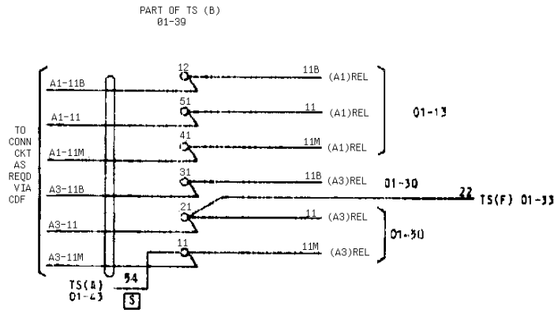
BELL TELEPHONE LABORATORIES INCORPORATED

6S

PART OF CAD A1

NOTES:
1. DESIGN CABLE FOR LOWEST UNIT ON THE FRAME.





ISSUE 3BU

DISTRIBUTE POINT APPLIQUE (2)

SD-3H911-01-GA2

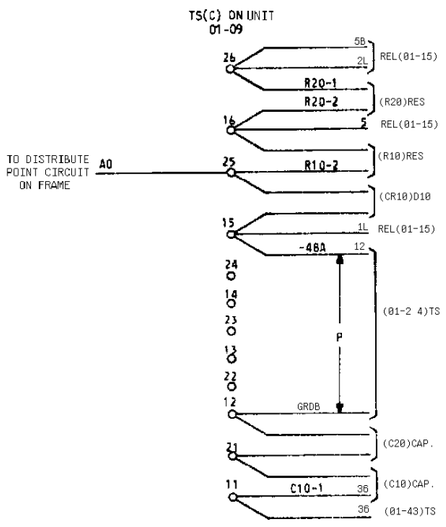
BELL TELEPHONE LABORATORIES INCORPORATED

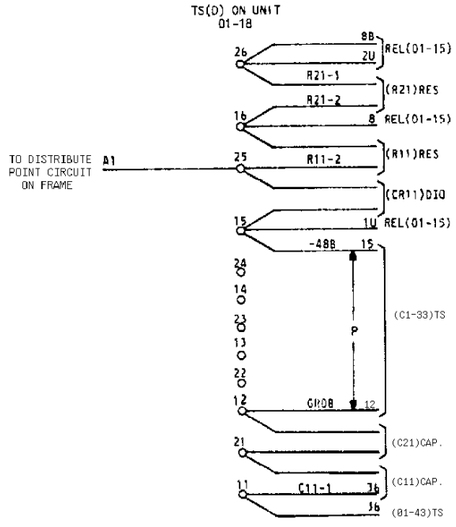
6S

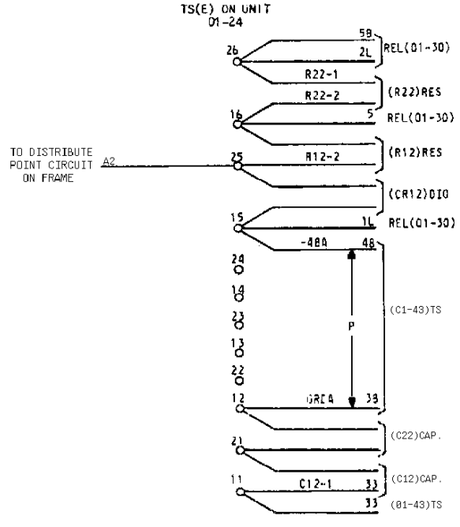
CAD A2

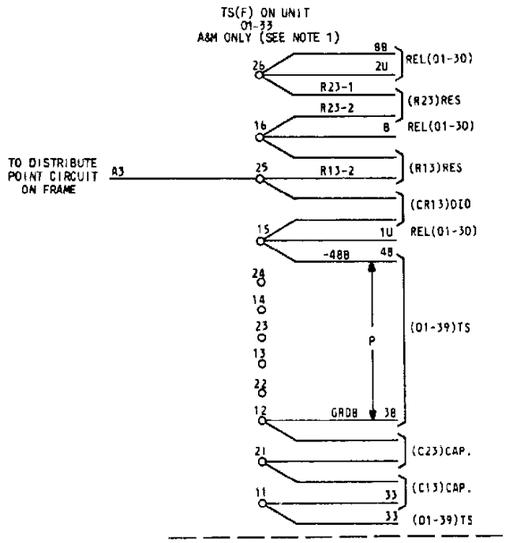
NOTES:

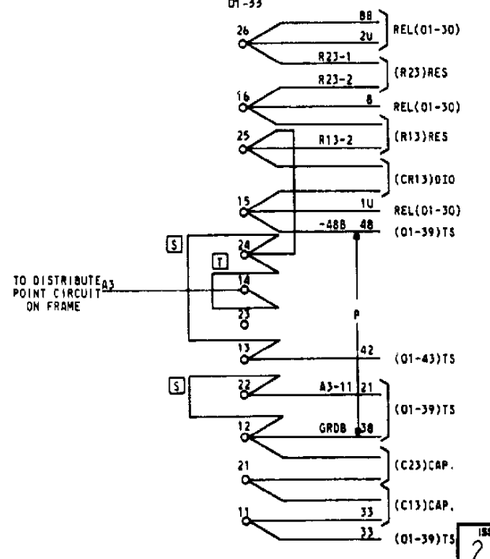
1. CHANGE TS(F) WIRING WHEN NON-DEDICATED LOCAL TEST DESK FEATURE IS PROVIDED.











ISSUE 2B

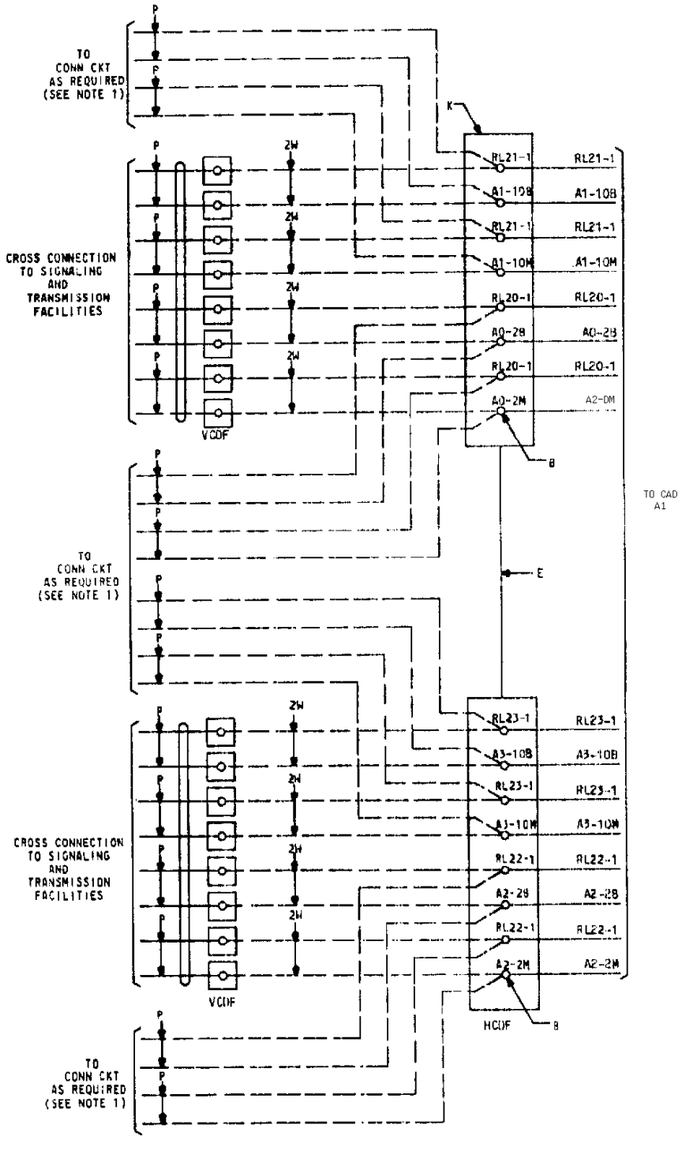
DISTRIBUTE POINT APPLIQUE

SD-3H911-01-GA3

BELL TELEPHONE LABORATORIES INCORPORATED

6S

CAD A3



NOTES:

1. RUN THESE STRAPS WHEN SECOND BARE CONTACT IS REQUIRED.

ISSUE 3BU

DISTRIBUTE POINT APPLIQUE (2)

SD-3H9M-01-GA4

BELL TELEPHONE LABORATORIES INCORPORATED

6S

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER

A

PD INPUTS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	FS LOC	NOTE
R10-2	I	01-09-25	01-09-25	1F1	
R11-2	I	01-18-25	01-18-25	1F1	
R12-2	I	01-24-25	01-24-25	1F1	
R13-2	I	01-33-25	01-33-25	1F1	

ELEMENT IDENTIFIER

B

MISCELLANEOUS SIGNAL LEADS TO CIRCUIT WITHIN OFFICE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	FS LOC	NOTE
A0-3	O	01-43-51	01-15-3	1F8	
A0-3B	O	01-43-12	01-15-3B	1F8	
A0-3M	O	01-43-41	01-15-3M	1F8	
A1-11	O	01-39-51	01-15-11	1F8	
A1-11B	O	01-39-12	01-15-11B	1F8	
A1-11M	O	01-39-41	01-15-11M	1F8	
A2-3	O	01-43-21	01-30-3	1F8	
A2-3B	O	01-43-31	01-30-3B	1F8	
A2-3M	O	01-43-11	01-30-3M	1F8	
A3-11	O	01-39-21	01-30-11	1F8	
A3-11B	O	01-39-31	01-30-11B	1F8	
A3-11M	O	01-39-11	01-30-11M	1F8	

ELEMENT IDENTIFIER

C

MISCELLANEOUS SIGNAL LEADS TO CIRCUIT OUTSIDE OF OFFICE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	FS LOC	NOTE
A0-2B	O	01-43-45	01-15-2B	1E8	P/RL21-1
A0-2M	O	01-43-56	01-15-2M	1C8	P/RL20-1
A1-10B	O	01-39-45	01-15-10B	1E8	P/RL21-1
A1-10M	O	01-39-56	01-15-10M	1C8	P/RL21-1
A2-2B	O	01-43-42	01-30-2B	1E8	P/RL22-1
A2-2M	O	01-43-53	01-30-2M	1C8	P/RL22-1
A3-10B	O	01-39-42	01-30-10B	1E8	P/RL23-1
A3-10M	O	01-39-53	01-30-10M	1C8	P/RL23-1
RL20-1	O	01-43-55	01-11-1	1E8	P/A0-2B
RL20-1	O	01-43-57	01-11-1	1C8	P/A0-2M
RL21-1	O	01-39-55	01-20-1	1E8	P/A1-10B
RL21-1	O	01-39-57	01-20-1	1C8	P/A1-10M
RL22-1	O	01-43-52	01-26-1	1E8	P/A2-2B
RL22-1	O	01-43-54	01-26-1	1C8	P/A2-2M
RL23-1	O	01-39-52	01-35-1	1E8	P/A3-10B
RL23-1	O	01-39-54	01-35-1	1C8	P/A3-10M

ELEMENT IDENTIFIER

D

POWER

TERM. MODIFIER	FUN	ACCESS TERM.	FS TERM.	FS LOC	NOTE
-48A	B	01-43-48	01-30-1L	1C1	P/GRDA
-48B	B	01-39-48	01-30-1U	1C1	P/GRDB

ELEMENT IDENTIFIER

E

GROUND

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	FS LOC	NOTE
GRDA	G	01-43-38	01-43-38	1E1	P/-48A
GRDB	G	01-39-38	01-39-38	1E1	P/-48B

DISTRIBUTE POINT APPLIQUE

DWG SIZE	ISSUE
C2	2B

BELL LABORATORIES | SD-3H911-01 | GB2

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