

SHEET INDEX

CONTENTS	SHEET NO.	SHEET ISSUE NO.
SHEET INDEX SUPPORTING INFORMATION	A1	16
P/O AS 1 AMATPS TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B1	11
P/O AS 1 AMATPS - AMARC - SCANS TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B1A	15
P/O AS 1 AMATPS 56K BAUD DEDICATED DATA LINK	B2	15
SHEET CANCELED ON ISSUE 15	B3	15
AS 3 AMARC (DIAL BACK UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B4	11
P/O AS 4 NO. 2 SCCS-AMARC-AMATPS TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B5	11
SHEET CANCELED ON ISSUE 15	B5A	15
P/O AS 4 NO.2 SCCS-AMARC-AMATPS TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B5B	15
P/O AS 5 EADAS-RMAS-SES-2-MTL-2 TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B6	11
SHEET CANCELED ON ISSUE 15	B6A	15
P/O AS 5 EADAS-RMAS-SES-2-MTL-2 TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B6B	15
P/O AS 6 SCANS (DIALED UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B7	11
SHEET CANCELED ON ISSUE 15	B7A	15
SHEET CANCELED ON ISSUE 15	B8	15
P/O AS 7 ALIT RSB-VFY RSB LTD- TTYA-TTYB-RCV TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B8A	15
SHEET CANCELED ON ISSUE 15	B9	15

CONTENTS	SHEET NO.	SHEET ISSUE NO.
P/O AS 7 ORP-TMT-VIDEO DISPLAY REMOTE STLWS- PRINTER REMOTE STLWS TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B9A	15
AS 8 ACCESS TO NO. 5ESS FOR OPERATIONAL SUPPORT SYSTEMS THAT DO NOT REQUIRE DATA SET INTERFACES	B10	15
AS 9 MCC - ROP TYPICAL ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B10	15
AS 10A MCC-TTY TYPICAL ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B11	15
AS 10B MCC-TTY TYPICAL ARRANGEMENT FOR OPTIONAL INTERFACING BETWEEN TWO MCC'S AND THE 3B20D PROCESSOR	B12	15
AS 11 STLWS 1 THRU 6 TYPICAL ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B13	16
SHEET CANCELED ON ISSUE 15	B14	15
SHEET CANCELED ON ISSUE 15	B14A	15
P/O AS 12 MOBILE CART TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE NO. 5ESS BELTLINE	B14B	16
P/O AS 12 MOBILE CART TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE NO. 5ESS BELTLINE	B14C	16
P/O AS 13 RCV-LOCAL TYPICAL ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B15	16
P/O AS 13 RCV (DIAL UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B16	11

CONTENTS	SHEET NO.	SHEET ISSUE NO.
P/O AS 13 RCV (DIAL UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B16A	15
AS 14 'ESSENTIAL AC' POWER FOR DATA SET ED-5D522-31	B17	14
AS 15 'PROTECTED AC' POWER FOR DATA SET ED-5D522-31	B18	14
AS 16 'ESSENTIAL AC' POWER FOR DATA SET CABINET KS-20018,L15C	B19	6
AS 17 'PROTECTED AC' POWER FOR DATA SET CABINET KS-20018,L15C	B20	11
AS 18 TYPICAL ARRANGEMENT FOR DATA SET CABINET BLOWER	B21	6
AS 19 TYPICAL ARRANGEMENT FOR OFFICE RECORD PRINTER (ORP) LOCATED WITHIN 50 FEET OF THE 3B20D OR 3B21D PROCESSOR	B22	15
SHEET CANCELED ON ISSUE 15	B23	15
P/O AS 20 TYPICAL ARRANGEMENT FOR RSM INTERFACING TO THE 3B20D OR 3B21D PROCESSOR	B23A	15
SHEET CANCELED ON ISSUE 15	B24	15
P/O AS 20 TYPICAL ARRANGEMENT FOR REMOTE MAINTENANCE VIA BELT LINE TTY-B CHANNEL	B24A	16
SHEET CANCELED ON ISSUE 15	B25	15
AS 21 TYPICAL ARRANGEMENT FOR REMOTE STLWS (OVER 250 FT)	B25A B26 B26A	16 11 16
AS 22 PROTECTED AND ESSENTIAL POWER IN ONE CABINET	B27	14
SHEET CANCELED ON ISSUE 15	B28	15
AS 23 TYPICAL ARRANGEMENT FOR TRAFFIC CHANNEL REMOTE & LOCAL (50 FT)	B28A	15

CONTENTS	SHEET NO.	SHEET ISSUE NO.
SHEET CANCELED ON ISSUE 15	B29	15
AS 24 TYPICAL ARRANGEMENT FOR THE MCC (OVER 50 FT)	B29A	15
P/O AS 25 MLT2 (DIAL BACK UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B30	16
P/O AS 25 MLT2 (DIAL BACK UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B30A	15
AS 26 TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE HIGHGATE MODULE	B31	6
SHEET CANCELED ON ISSUE 15	B32	15
AS 27 TYPICAL ARRANGEMENT FOR COT	B32A	16
AS 28 BILDATS (DIAL UP) TYPICAL DATA SET ARRANGEMENT FOR INTERFACING TO THE 3B20D PROCESSOR	B33	15
INFORMATION NOTES	D1	15
	D2	15
	D2A	15
	D3	16
	D4	15
	D5	15

DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1	2B	1	3A	1
	APPC		APPC		APPC
4B	1	5M	1		
	APPC		APPC		
6B	1				
	APPC				
7M	1				
	APPC				
8B	1				
	APPC				
9M	1				
	APPC				
10B	2				
	APPC				
11B	2				
	APPC				
12M	2				
	APPC				
13M	2				
	APPC				
14M	2				
	APPC				
15B	2				
	APPC				
16M	2				
	APPC				

SUPPORTING INFORMATION

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
5ESS	IH	EQUIPMENT DRAWING	ED-5D522-31 ED-5D522-34 (DA) ED-5D061-30 ED-5D522-35

SHEET INDEX NOTES
1. ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX.
2. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

BT13

**5ESS<sup>®</sup> SWITCHING EQUIPMENT**

**OPERATING SUPPORT SYSTEMS**

**INTERFACE**

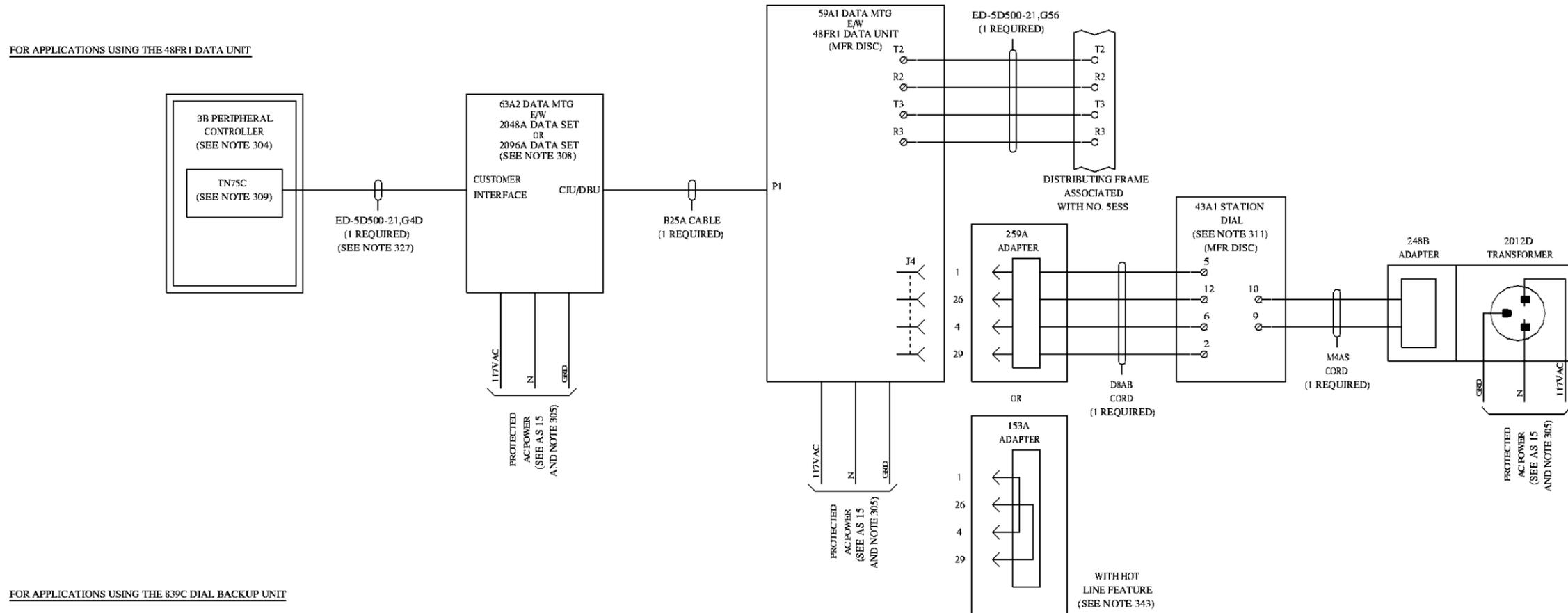
**CIRCUIT**

DWG SIZE <b>C2</b>	ISSUE <b>16M</b>
Lucent Technologies <b>SD-5D071-01</b> SHEET A1 60	

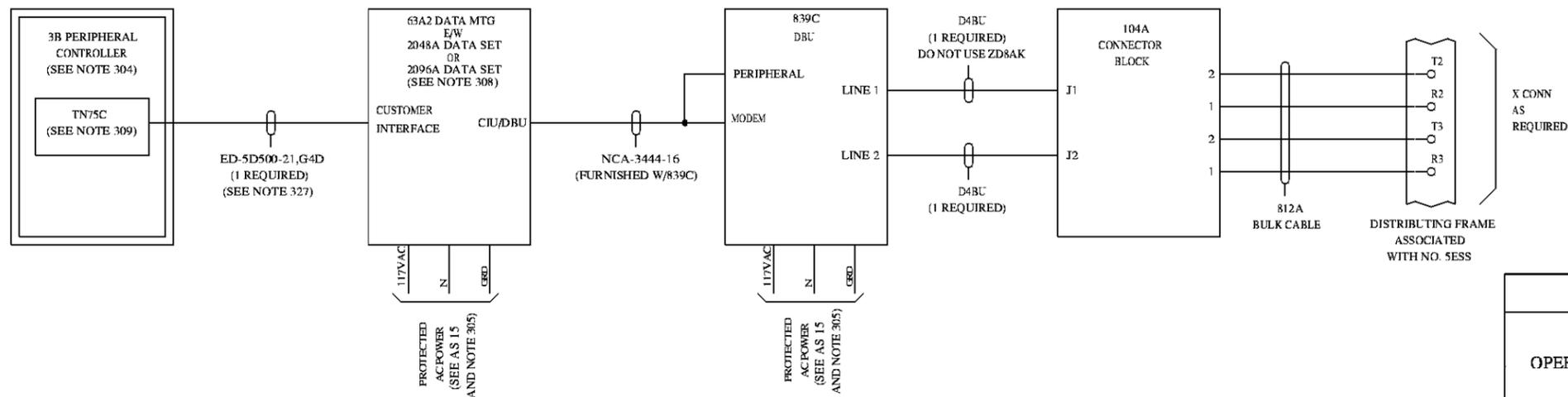
# P/O AS 1 (DA'D)

AMATPS  
4800 OR 9600 BPS DIAL UP DATA LINK  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 306, 307, 308, 322, 324, 337)

FOR APPLICATIONS USING THE 48FR1 DATA UNIT



FOR APPLICATIONS USING THE 839C DIAL BACKUP UNIT



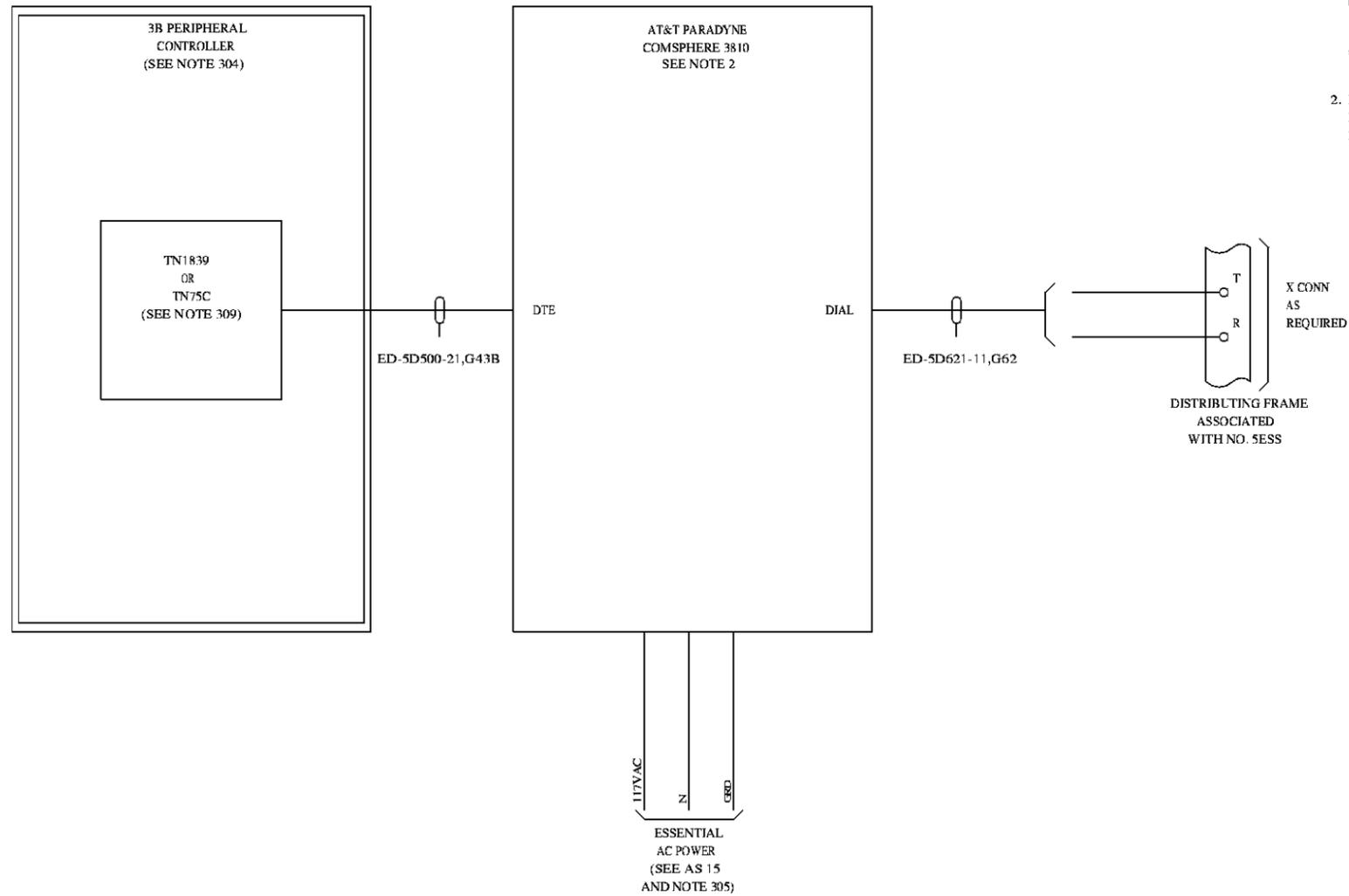
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE		DWG SIZE <b>C2</b>
Lucent Technologies		ISSUE <b>11B</b>
SD-5D071-01		SHEET B1

# P/O AS 1

AMATPS - AMARC - SCANS  
(DIAL UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 307,308,322,324,344,346)

**NOTES:**

1. TO CONFIGURE THE 3810 MODEM FOR AMATPS, AMARC OR SCANS DIAL UP APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "ASYNC\_DIAL"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:
    - FOR ASYNC/SYNC MODE - SELECT: "Sync"
    - FOR DTR ACTION - SELECT: "Standrd RS232"
    - FOR DSR CONTROL - SELECT: "Standrd RS232"
    - FOR RTS ACTION - SELECT: "Standrd RS232"
    - FOR LSD CONTROL - SELECT: "Force On"
  - f) GO INTO THE DTE DIALER MENU:
    - FOR DTE DIALER TYPE - SELECT: "Disable"
  - g) GO INTO THE LINE DIALER MENU:
    - FOR NO DATA DISCONNECT - SELECT: "Disable"
  - h) GO INTO THE DIAL LINE MENU:
    - FOR DIAL LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - i) SAVE THE NEW SETTINGS.
2. IF A 3811 MODEM IS USED A NETWORK INTERFACE MODULE MUST BE INSTALLED AS PART OF THE 3000 SERIES CARRIER.  
(SEE NOTE 349)



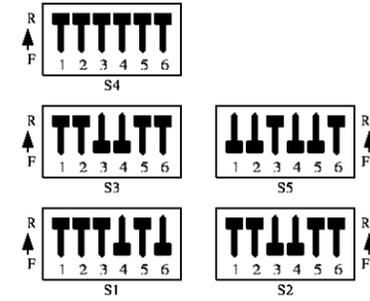
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B1A

# P/O AS 1

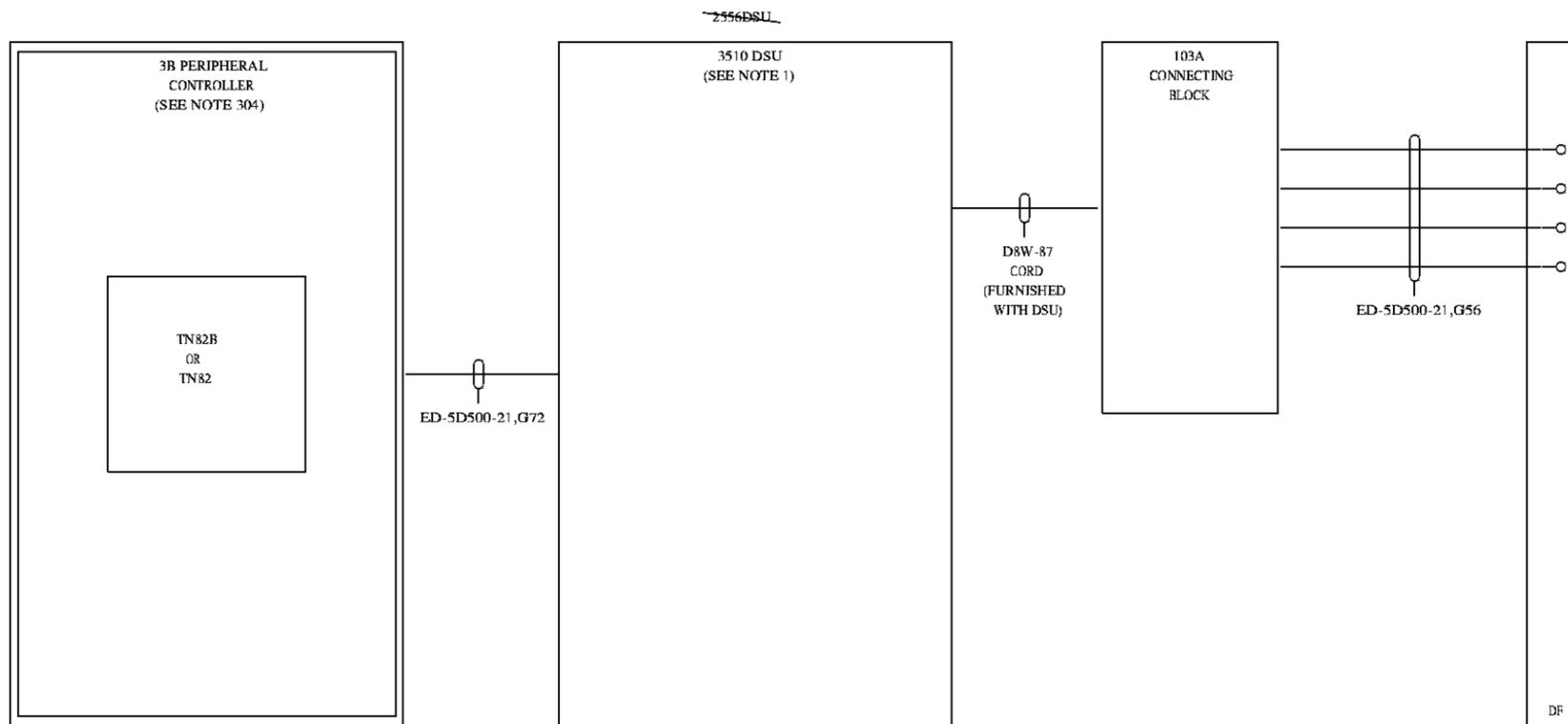
AMATPS  
56K BAUD DEDICATED DATA LINK  
(SEE NOTES 307, 308, 322, 324, 344, 346)

**NOTE:**

1. TO CONFIGURE THE 3510 DSU REMOVE THE FACEPLATE AND SET THE SWITCH SETTINGS AS SHOWN BELOW. FOR REMOVAL OF THE FACEPLATE REFER TO THE 3500 DATA SERVICE USER'S GUIDE.



MODEL 3510

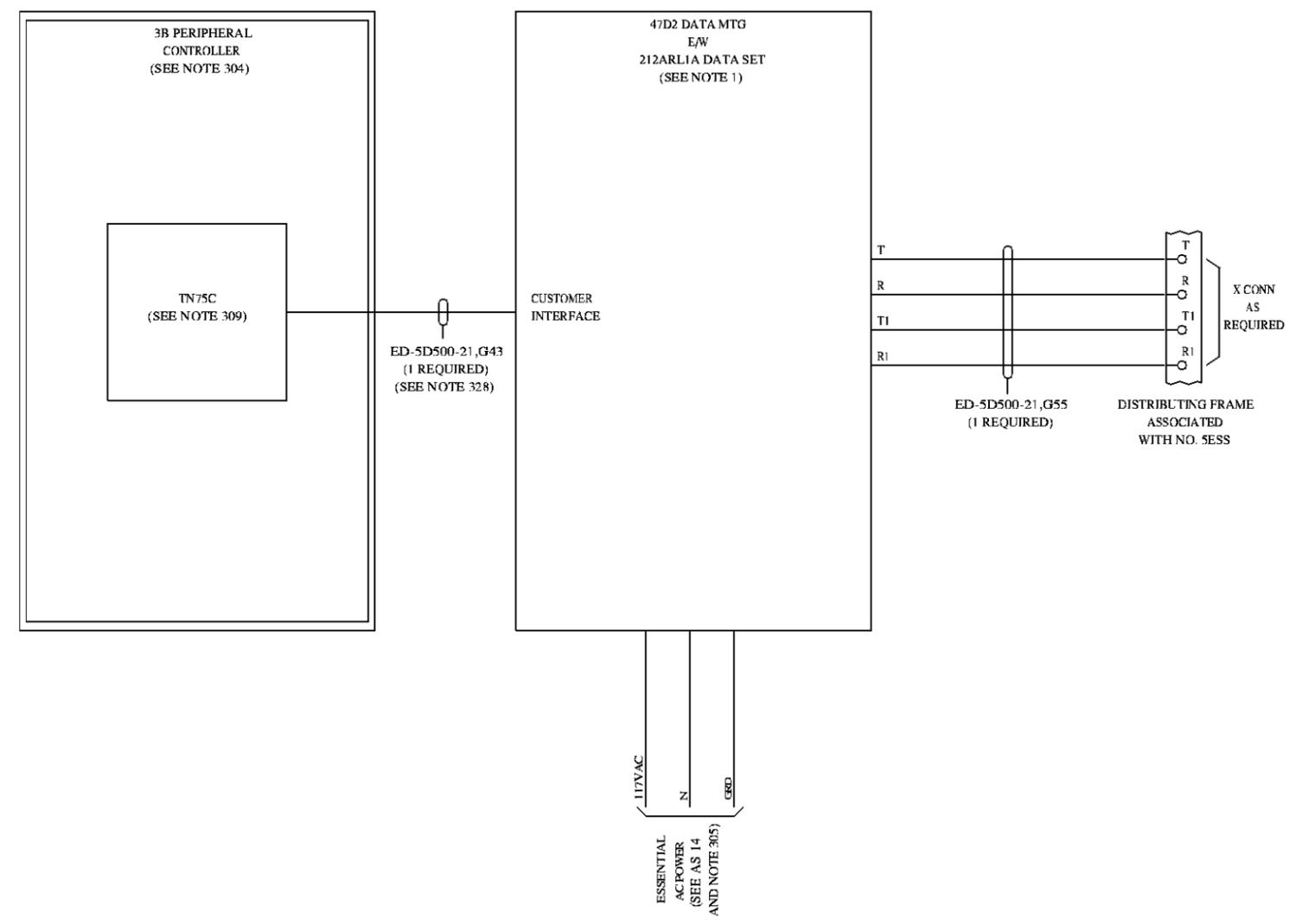


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B2

# AS 2 (DA'D)

CTTC  
(DIALED UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 306, 307, 322, 324 337)

NOTES:  
1. THE M13F CORD SHIPPED WITH THE DATA SET IS NOT REQUIRED.

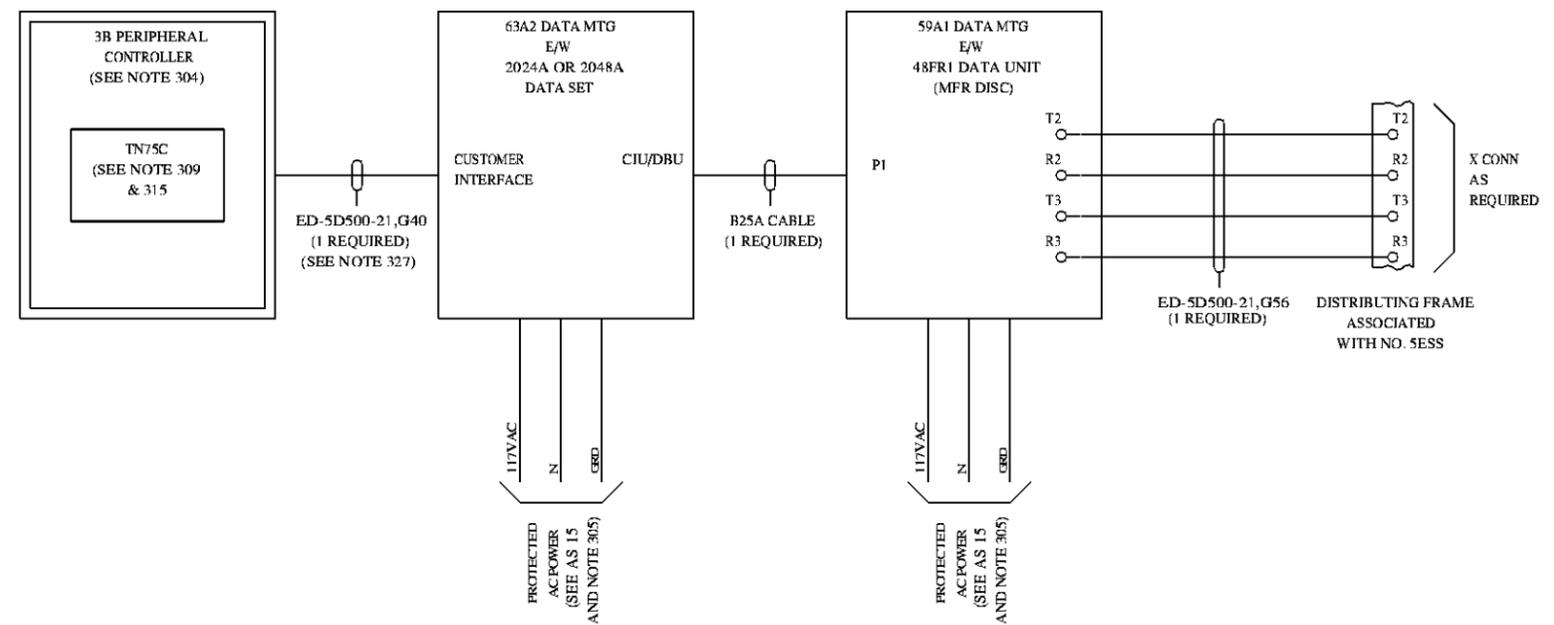


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B3

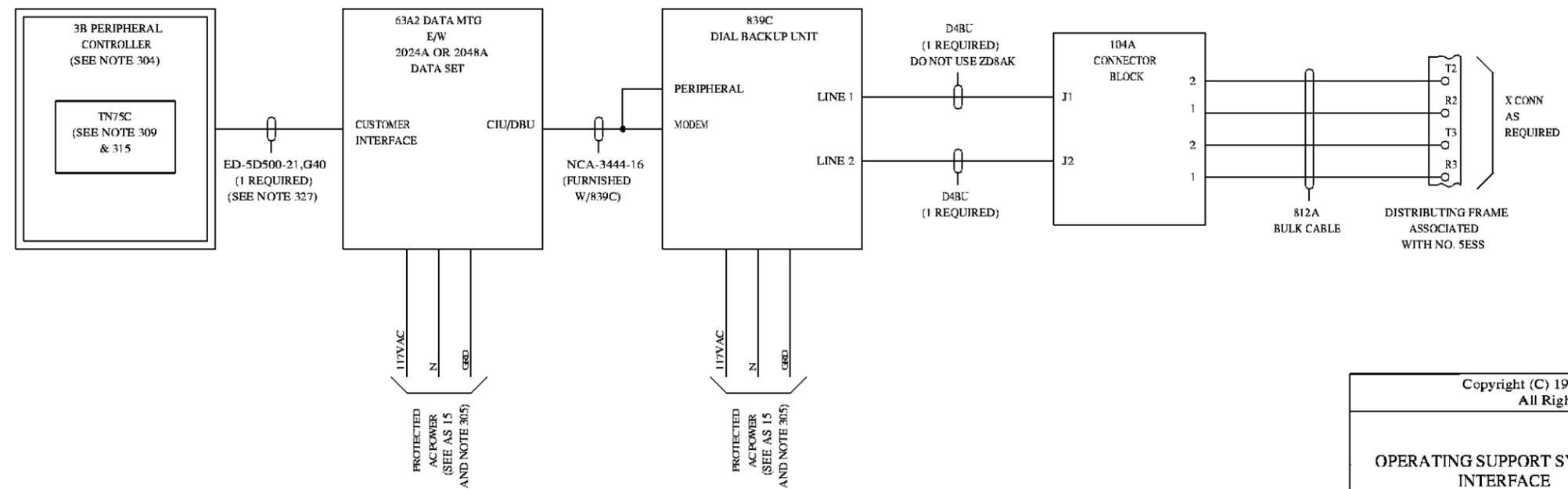
# AS 3 (DA'D)

(SEE AS 1)  
 AMARC  
 (DIAL BACK UP)  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306,307,315,322,324,337)

FOR APPLICATIONS USING THE 48FR1 DATA UNIT



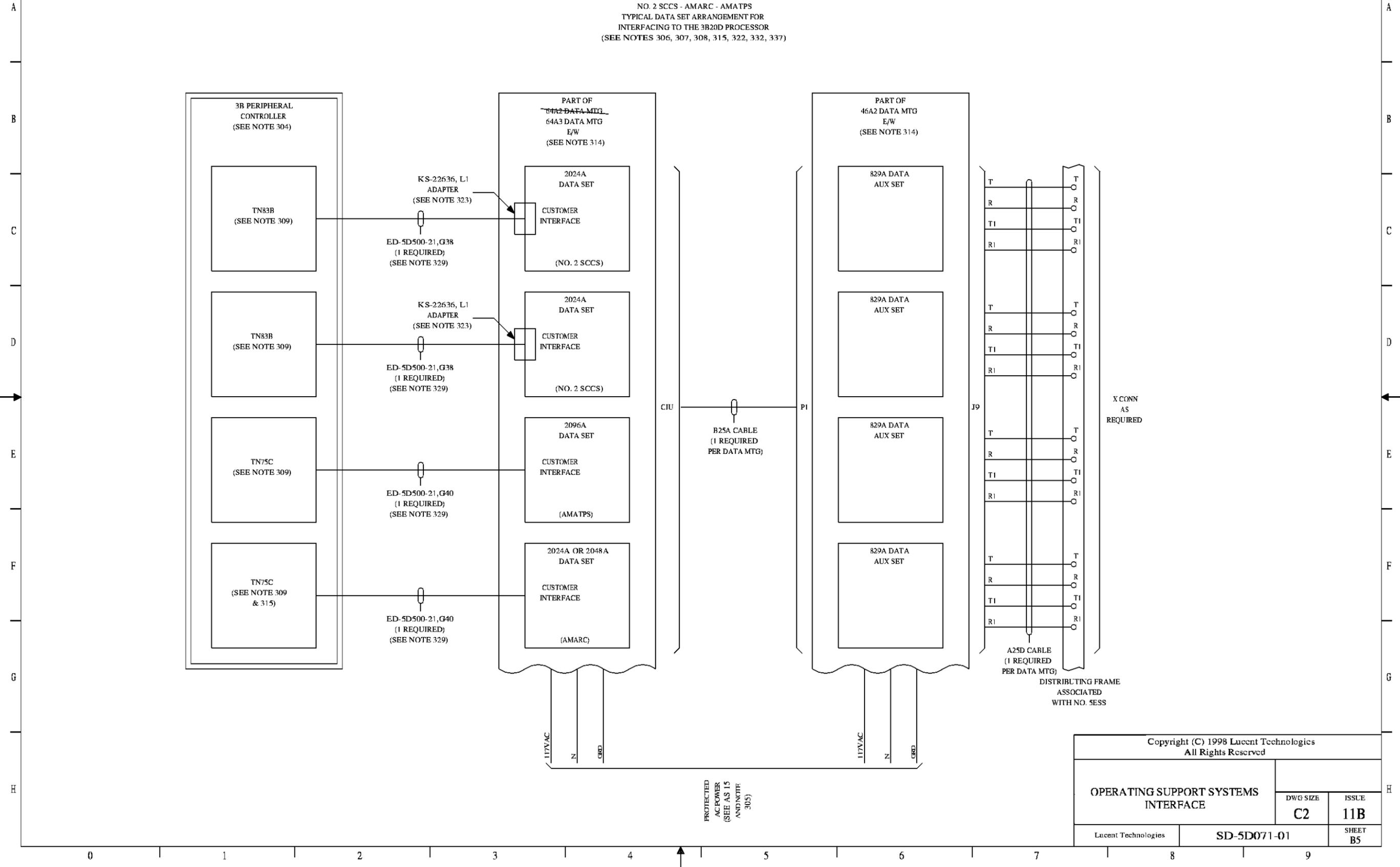
FOR APPLICATIONS USING THE 839C DIAL BACKUP UNIT



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B4

# P/O AS 4 (DA'D)

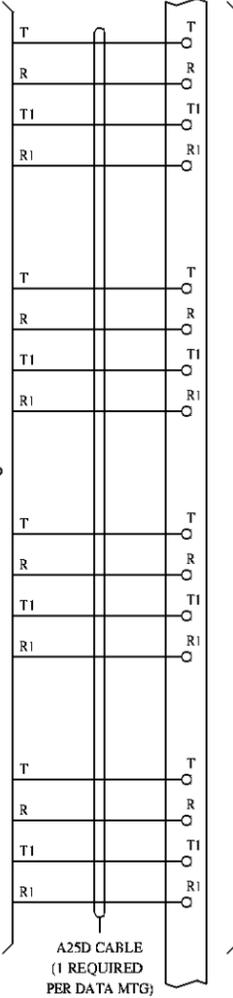
NO. 2 SCCS - AMARC - AMATPS  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306, 307, 308, 315, 322, 332, 337)



117VAC  
 N  
 GND

117VAC  
 N  
 GND

PROTECTED  
 AC POWER  
 (SEE AS 15  
 AND NOTE  
 305)



X CONN  
 AS  
 REQUIRED

DISTRIBUTING FRAME  
 ASSOCIATED  
 WITH NO. 5ESS

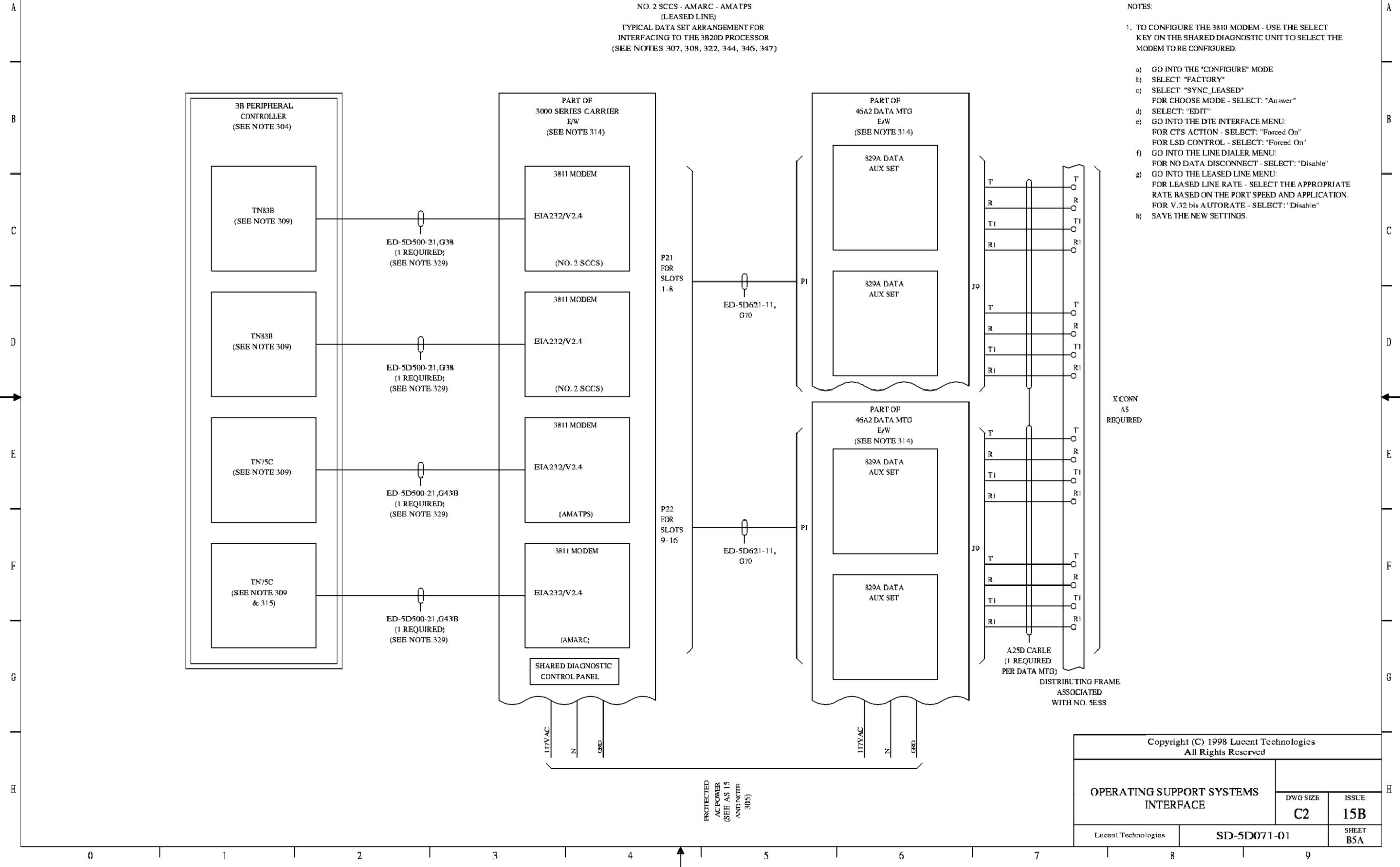
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B5

# P/O AS 4 (DA'D)

NO. 2 SCCS - AMARC - AMATPS  
(LEASED LINE)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 307, 308, 322, 344, 346, 347)

**NOTES:**

1. TO CONFIGURE THE 3810 MODEM - USE THE SELECT KEY ON THE SHARED DIAGNOSTIC UNIT TO SELECT THE MODEM TO BE CONFIGURED.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC LEASED"  
FOR CHOOSE MODE - SELECT: "Answer"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS ACTION - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.  
FOR V.32 bis AUTORATE - SELECT: "Disable"
  - h) SAVE THE NEW SETTINGS.



X CONN AS REQUIRED

A25D CABLE (1 REQUIRED PER DATA MTG)  
DISTRIBUTING FRAME ASSOCIATED WITH NO. 5ESS

117VAC  
N  
GRD

117VAC  
N  
GRD

PROTECTED AC POWER (SEE AS 15 AND NOTE 305)

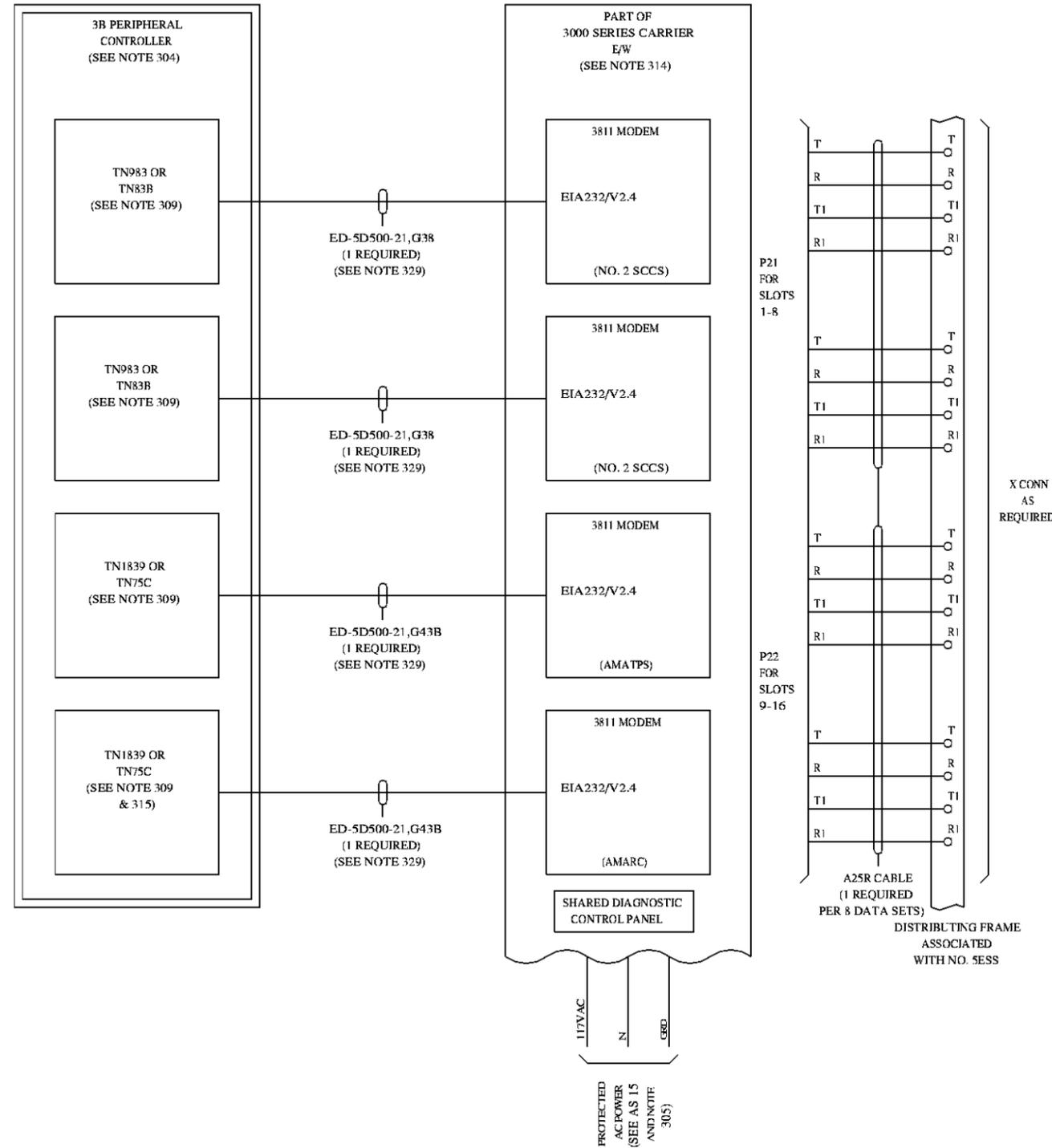
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B5A

# P/O AS 4

NO. 2 SCCS - AMARC - AMATPS  
(LEASED LINE)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 307, 308, 322, 344, 346, 347, 348)

**NOTES:**

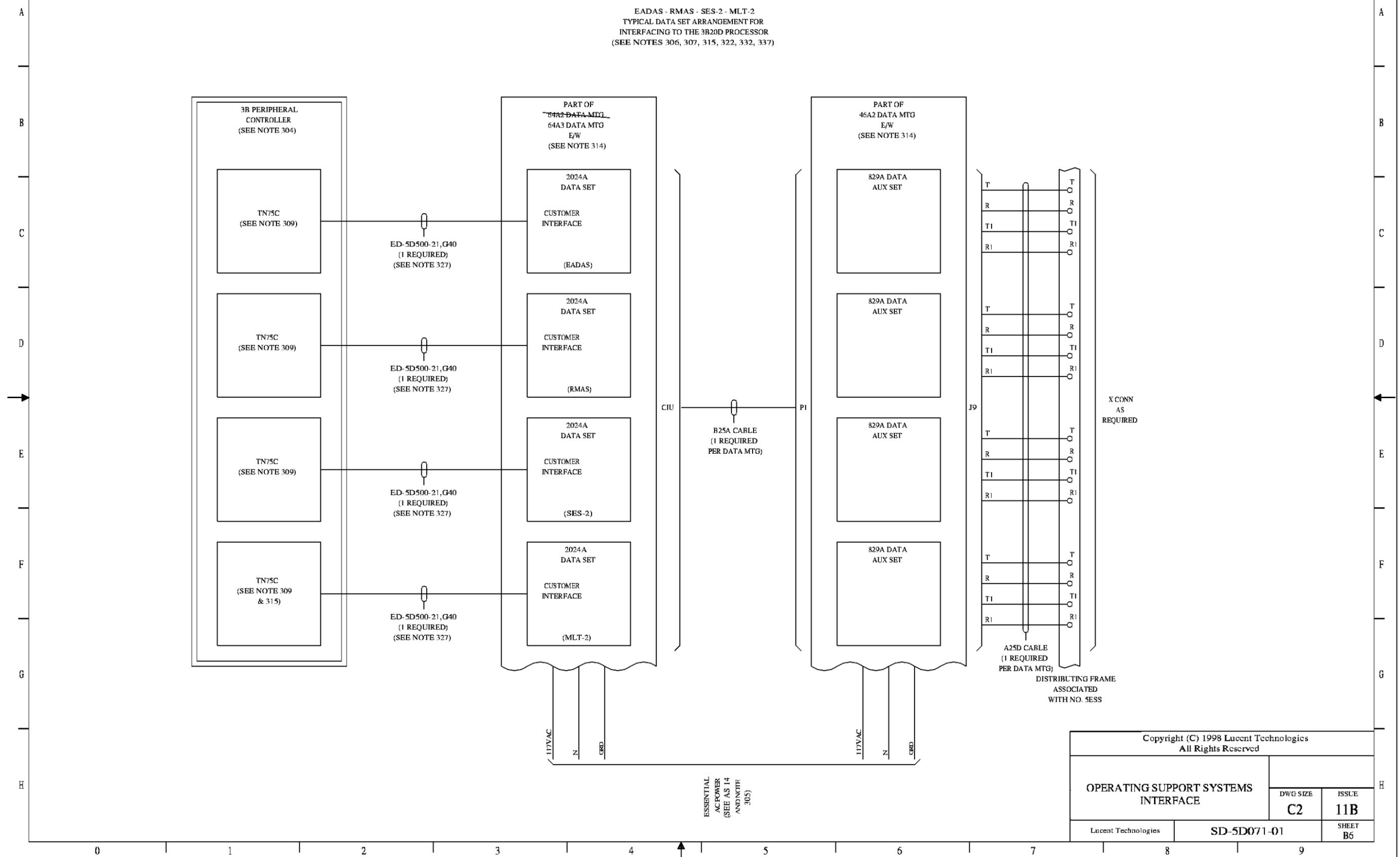
1. TO CONFIGURE THE 3811 MODEM - USE THE SELECT KEY ON THE SHARED DIAGNOSTIC UNIT TO SELECT THE MODEM TO BE CONFIGURED.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE - SELECT: "Answer"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS ACTION - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - h) SAVE THE NEW SETTINGS.



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B5B

# P/O AS 5 (DA'D)

EADAS - RMAS - SES-2 - MLT-2  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306, 307, 315, 322, 332, 337)



ESSENTIAL  
 AC POWER  
 (SEE AS 14  
 AND NOTE  
 305)

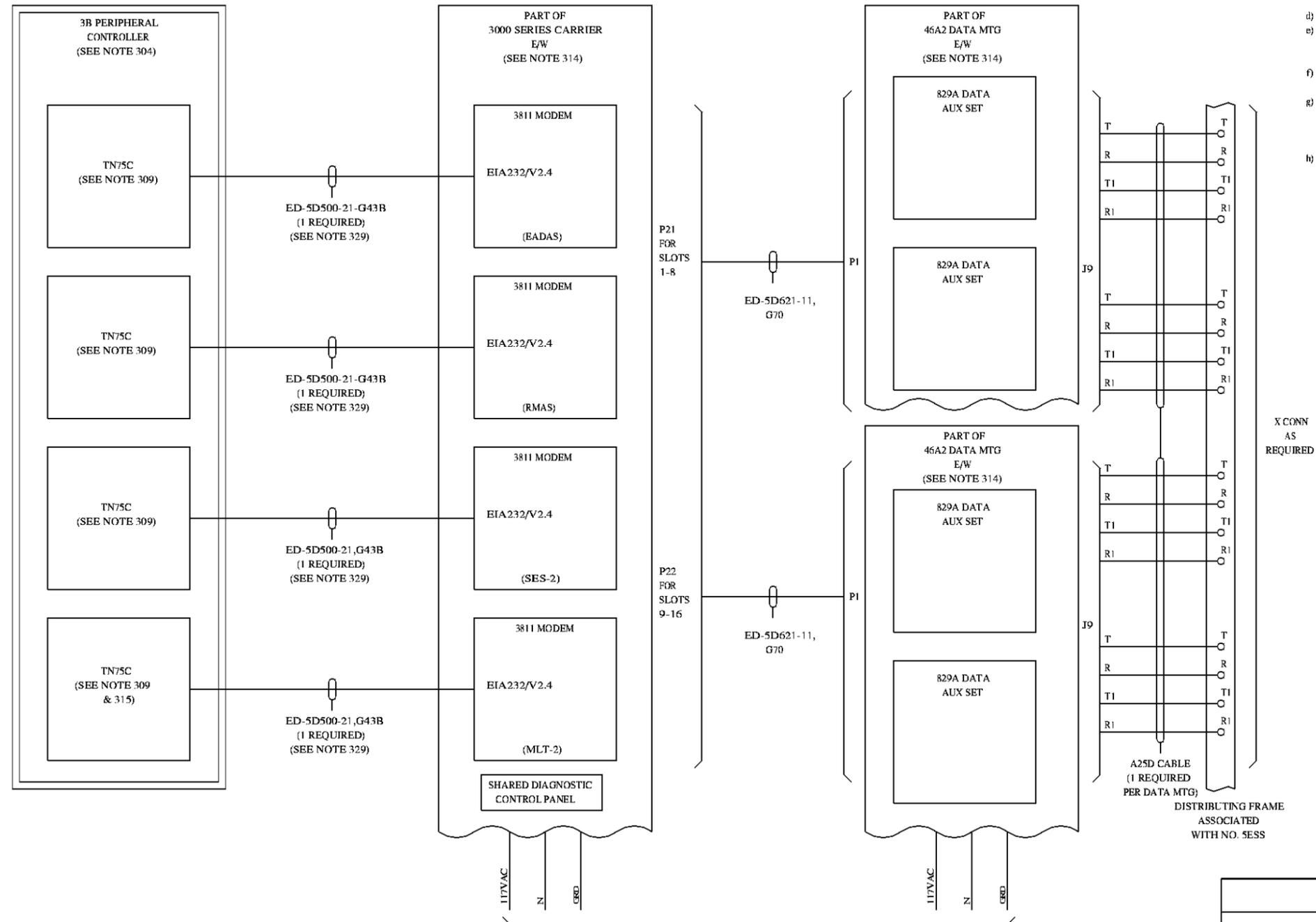
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B6

# P/O AS 5 (DA'D)

EADAS - RMAS - SES-2 - MLT-2  
(LEASED LINE)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 307, 308, 322, 344, 346, 347)

**NOTES:**

1. TO CONFIGURE THE 3811 MODEM - USE THE SELECT KEY ON THE SHARED DIAGNOSTIC UNIT TO SELECT THE MODEM TO BE CONFIGURED.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE - SELECT: "ANSWER"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS ACTION - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.  
FOR V.32 bis AUTORATE - SELECT: "Disable"
  - h) SAVE THE NEW SETTINGS.



ESSENTIAL  
AC POWER  
(SEE AS 14  
AND NOTE  
305)

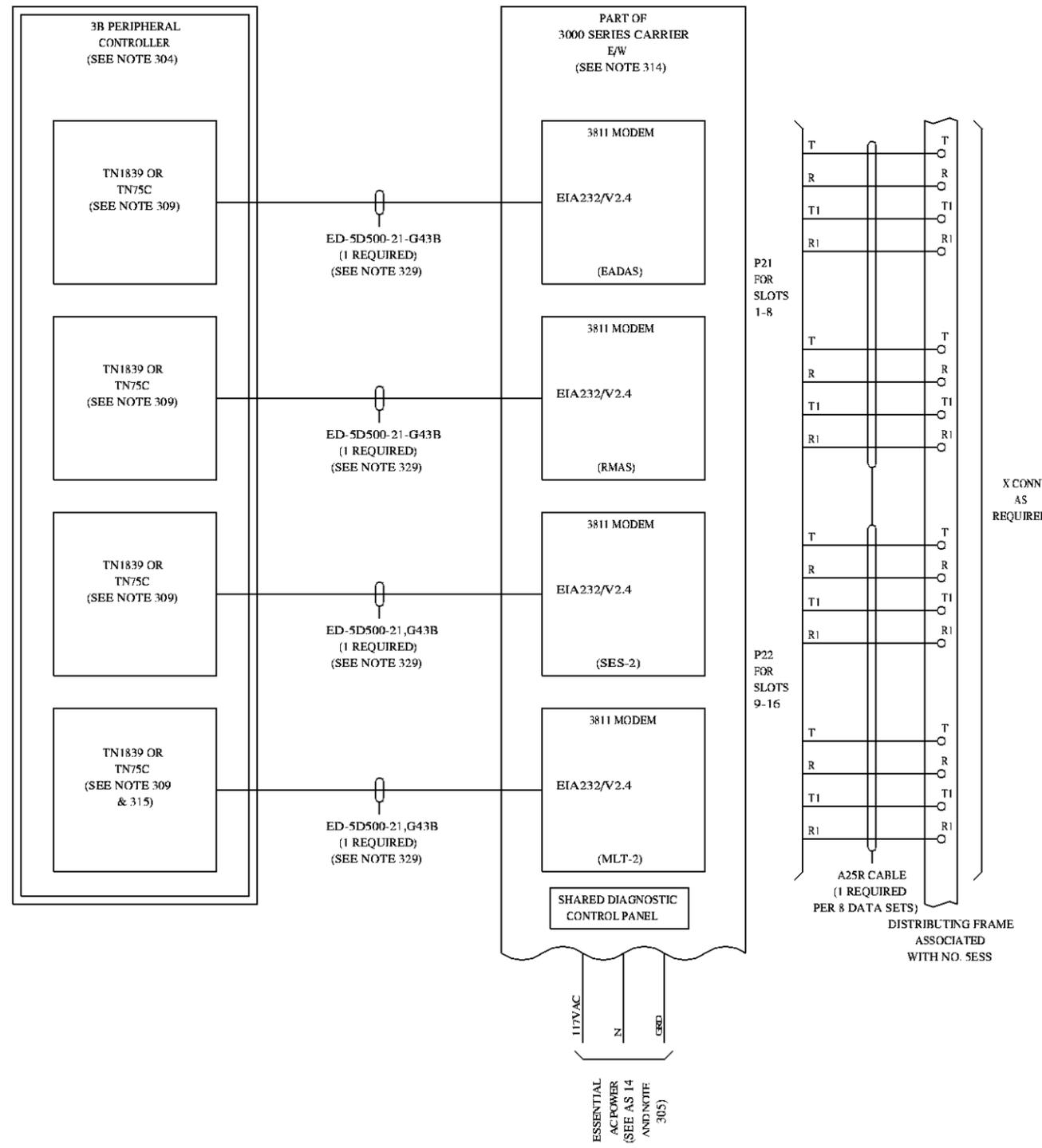
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B6A

# P/O AS 5

EADAS - RMAS - SES-2 - MLT-2  
(LEASED LINE)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 307, 322, 344, 346, 347, 348)

NOTES:

1. TO CONFIGURE THE 3811 MODEM - USE THE SELECT KEY ON THE SHARED DIAGNOSTIC UNIT TO SELECT THE MODEM TO BE CONFIGURED.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE - SELECT: "ANSWER"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS ACTION - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - h) SAVE THE NEW SETTINGS.

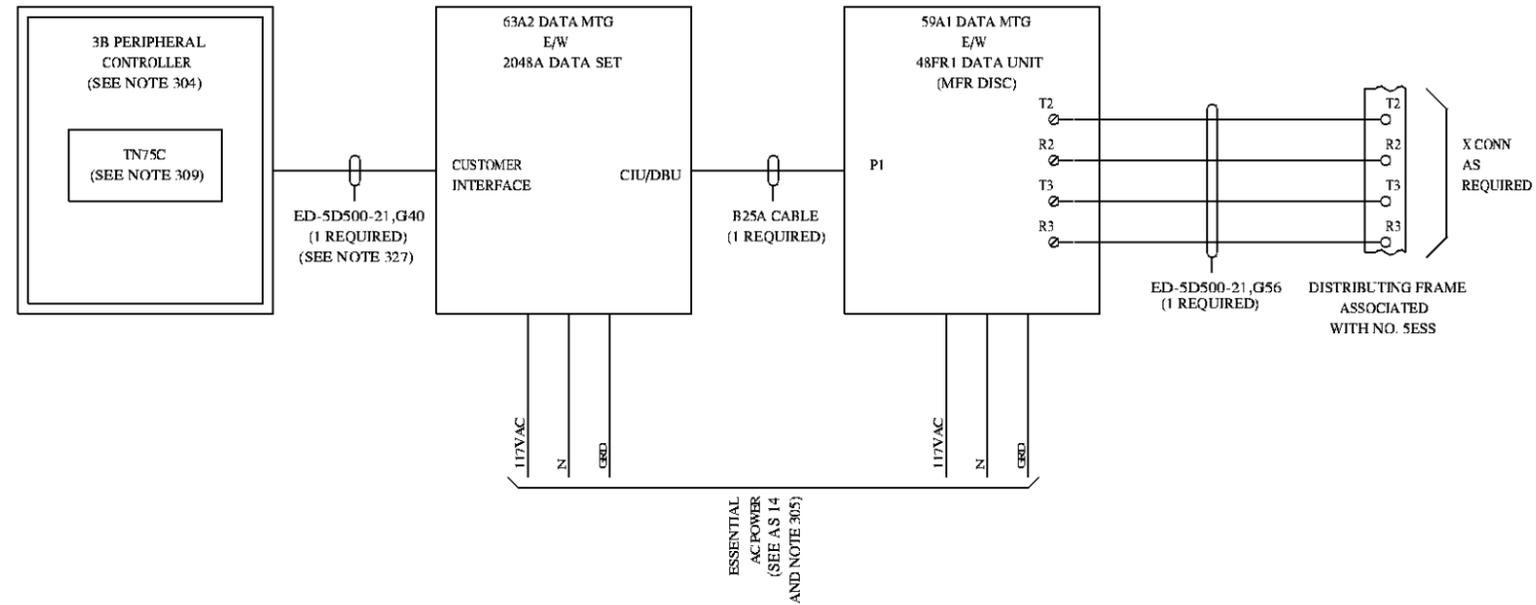


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B6B

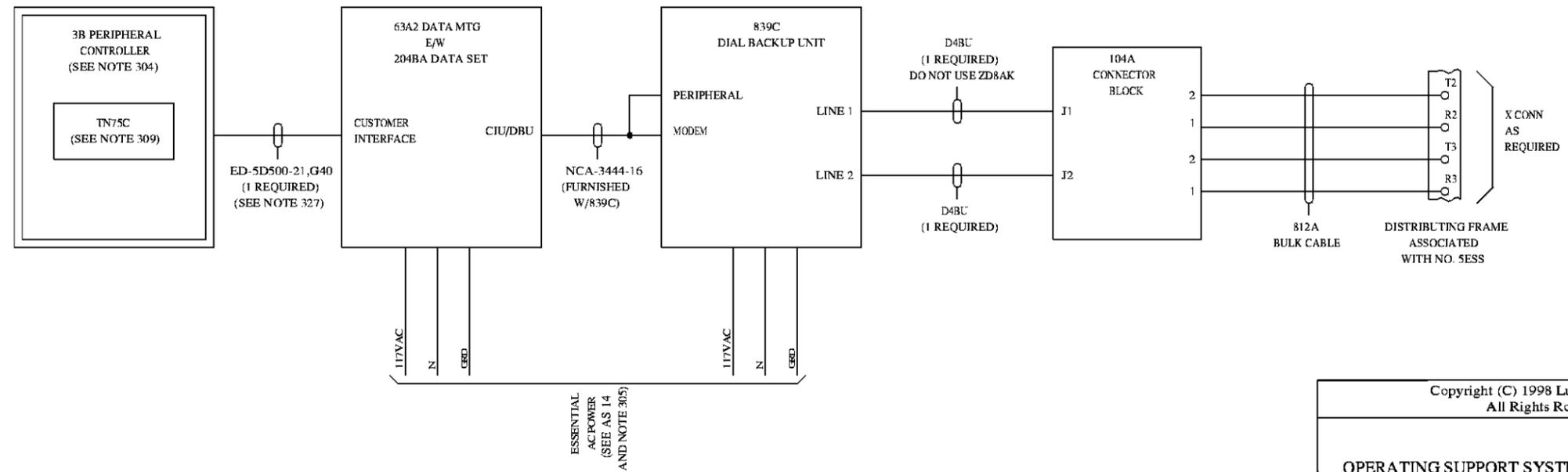
# P/O AS 6 (DA'D)

SCANS  
(DIALED UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 306,307,322,324,337)

FOR APPLICATIONS USING THE 48FR1 DATA UNIT



FOR APPLICATIONS USING THE 839C DIAL BACKUP UNIT



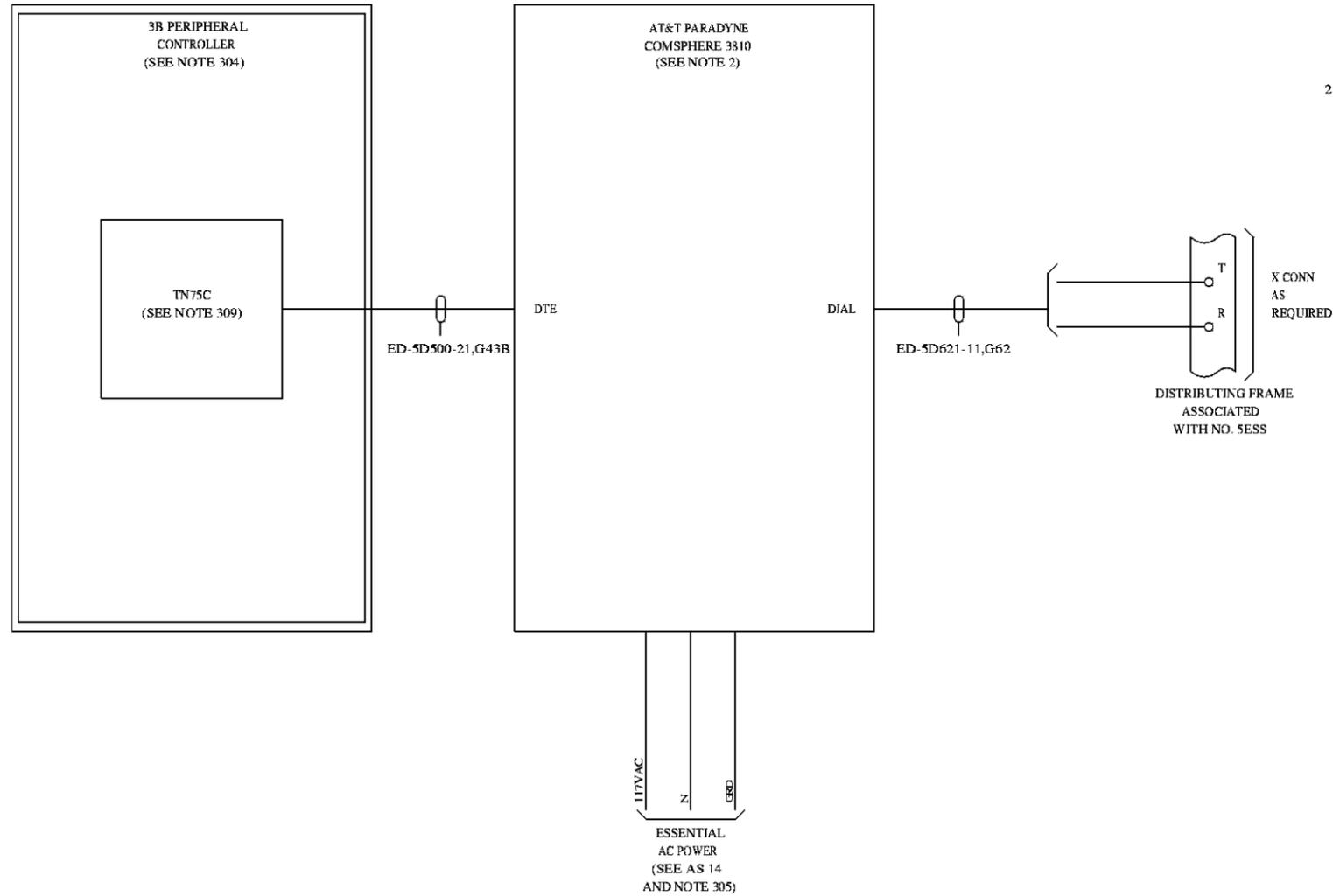
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B7

# P/O AS 6 (DA'D) SEE AS 1

SCANS III  
(DIALED UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTES 322,324,344,346)

NOTES:

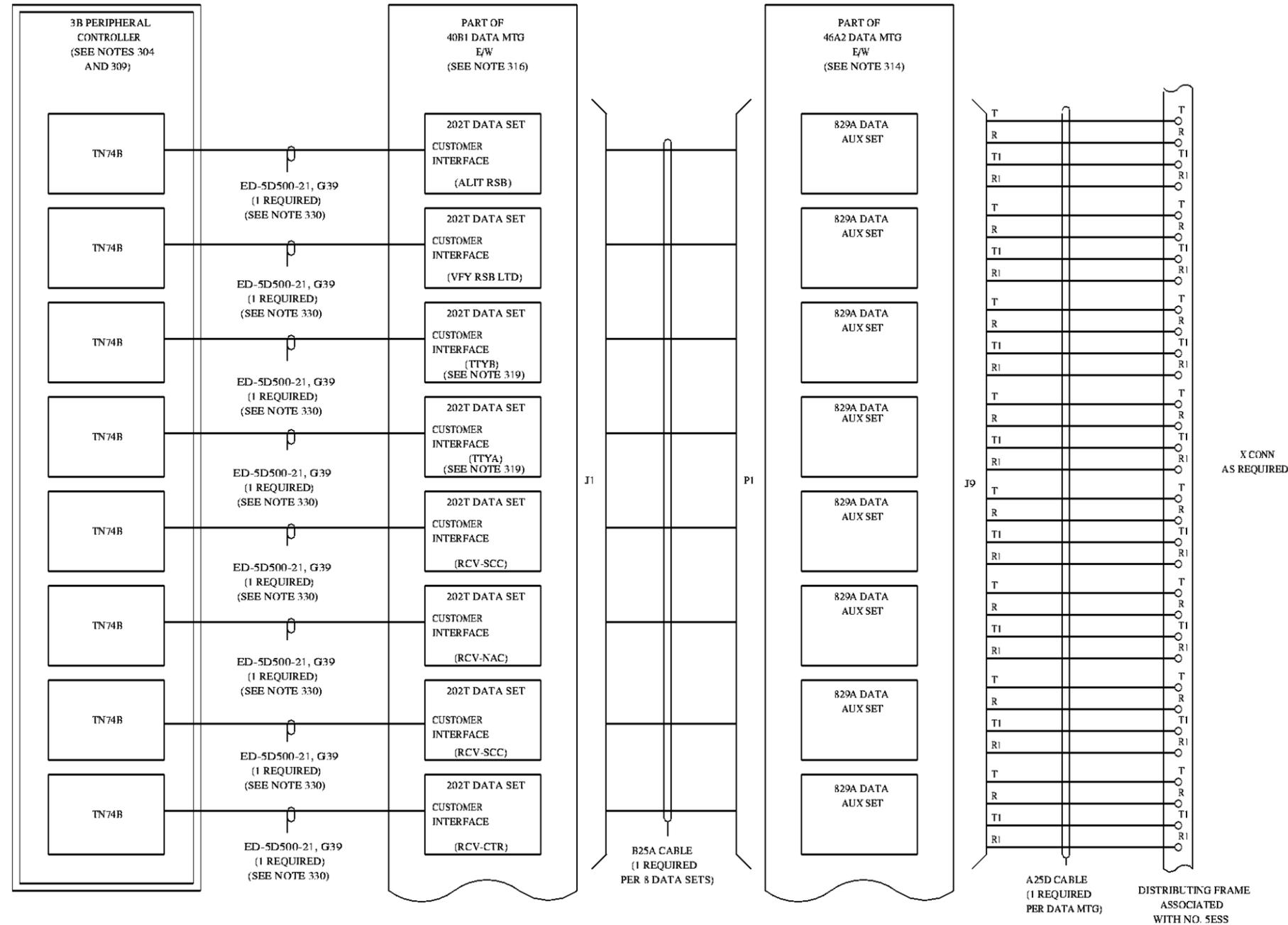
1. TO CONFIGURE THE 3810 MODEM FOR SCANS III APPLICATION
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "ASYNC\_CIAL"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR ASYNC/SYNC MODE - SELECT: "Sync"  
FOR DTR ACTION - SELECT: "Stdnd RS232"  
FOR DSR CONTROL - SELECT: "Stdnd RS232"  
FOR RTS ACTION - SELECT: "Stdnd RS232"  
FOR LSD CONTROL - SELECT: "Force On"
  - f) GO INTO THE DTE DIALER MENU:  
FOR DTE DIALER TYPE - SELECT: "Disable"
  - g) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - h) GO INTO THE DIAL LINE MENU:  
FOR DIAL LINE RATE - SELECT THE APPROPRIATE  
RATE BASED ON THE PORT SPEED AND APPLICATION.
  - i) SAVE THE NEW SETTINGS
2. IF A 3811 MODEM IS USED A NETWORK INTERFACE  
MODULE MUST BE INSTALLED AS PART OF THE  
3000 SERIES CARRIER.



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B7A

# P/O AS 7 (DA'D)

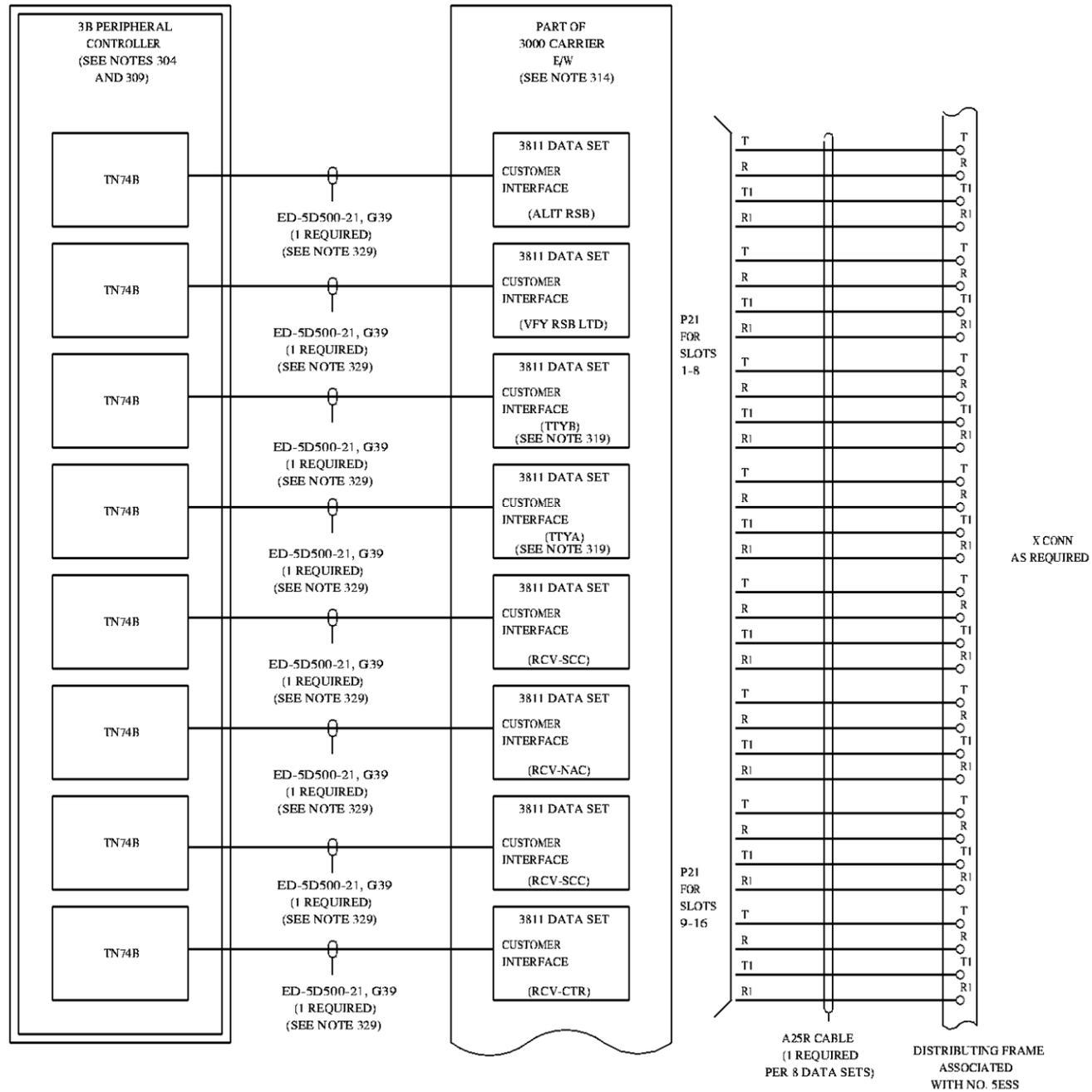
ALIT RSB - VFY RSB LTD - TTYA - TTYB - RCV  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306,307,322,337)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B8

# P/O AS 7

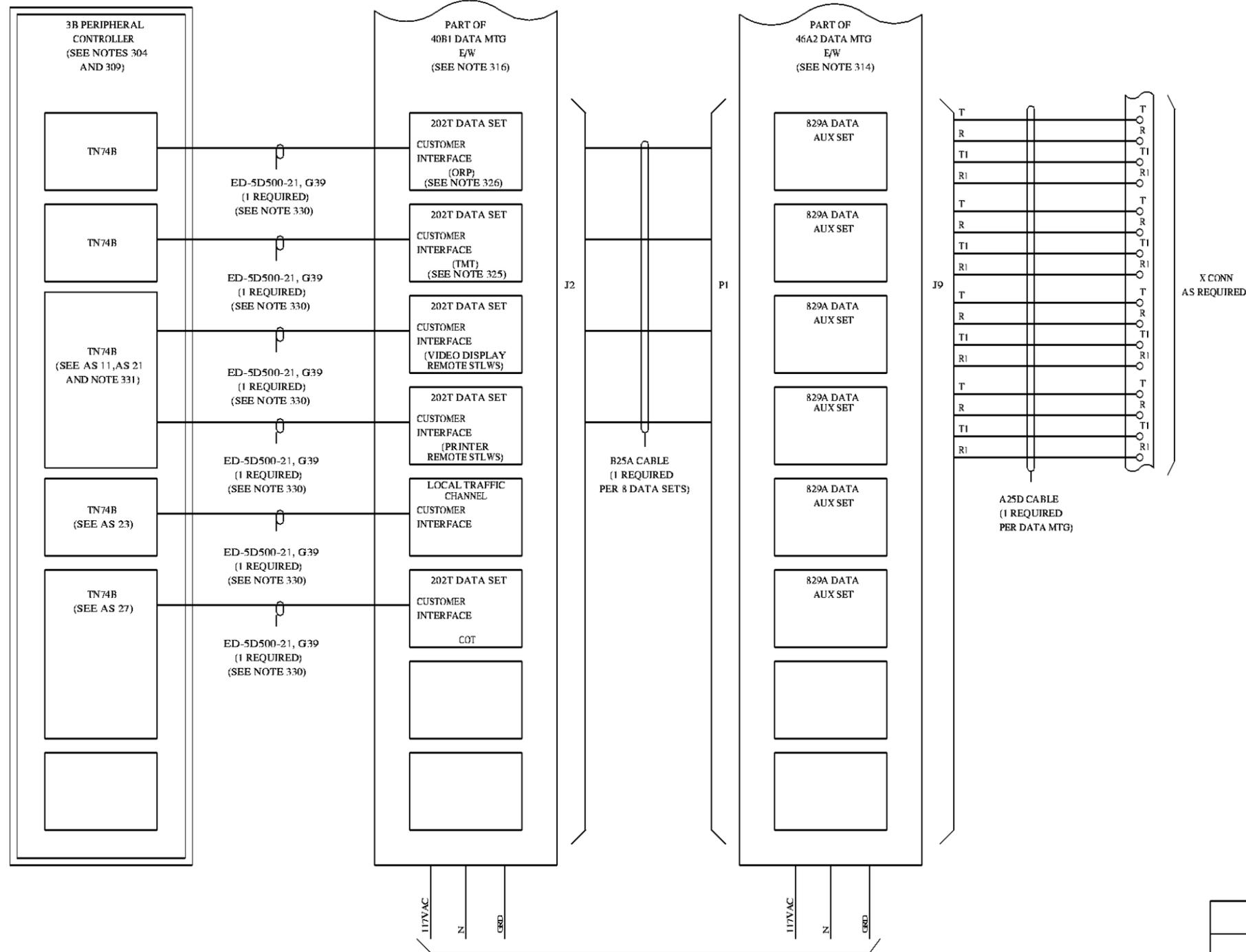
ALIT RSB - VFY RSB LTD - TTYA - TTYB - RCV  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
 (SEE NOTES 307, 322, 344, 346, 347, 348)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B8A

# P/O AS 7 (DA'D)

ORP - TMT - VIDEO DISPLAY REMOTE STLWS - PRINTER REMOTE STLWS-COT  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306,307,322,337)



ESSENTIAL  
 AC POWER  
 (SEE AS 14  
 AND NOTE  
 305)

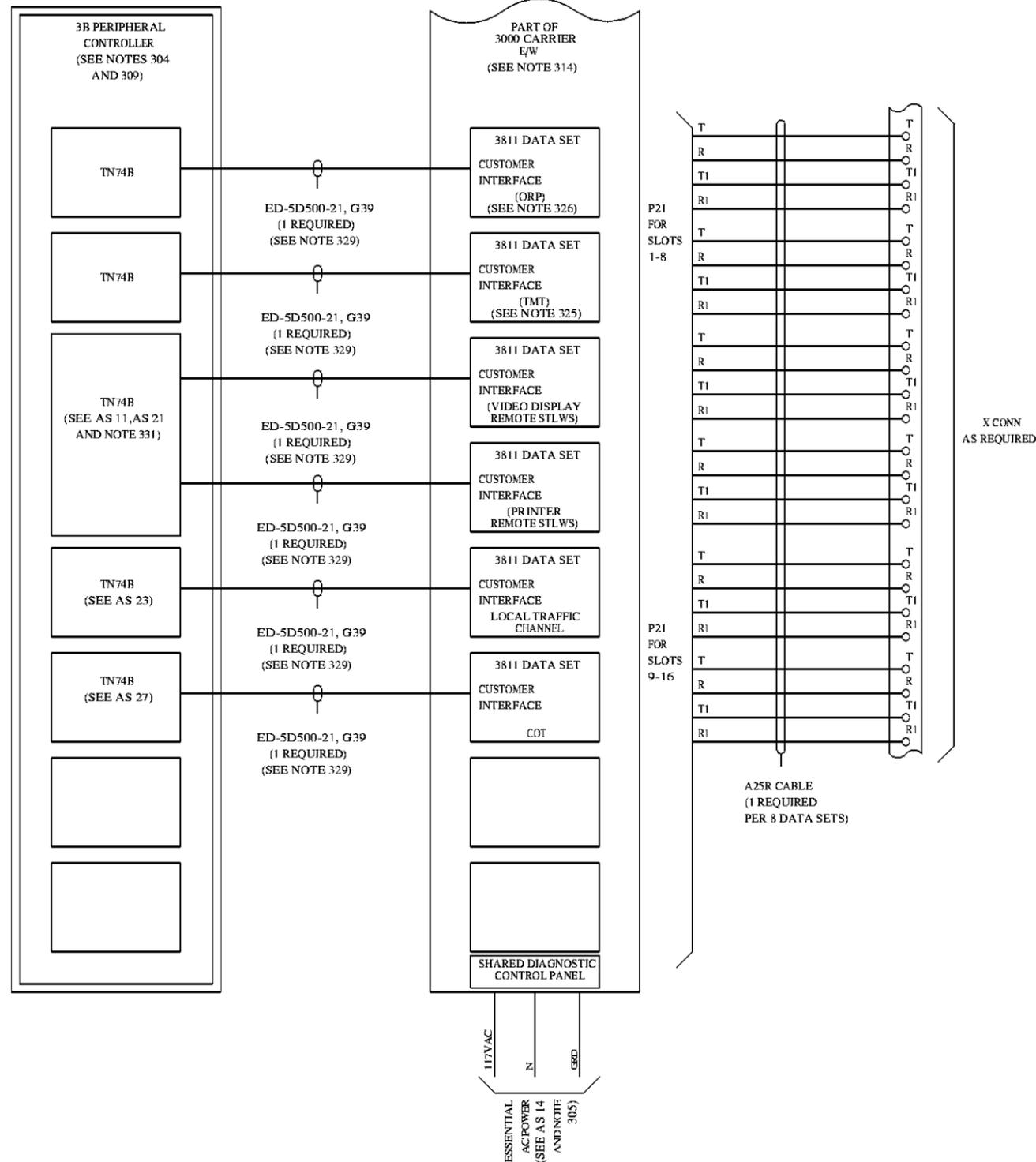
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B9

# P/O AS 7

ORP - TMT - VIDEO DISPLAY REMOTE STLWS - PRINTER REMOTE STLWS-COT  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
 (SEE NOTES 307, 322, 344, 346, 347, 348)

**NOTES:**

1. TO CONFIGURE THE 3811 MODEM USE THE SELECT KEY ON THE SHARED DIAGNOSTIC UNIT TO SELECT THE MODEM TO BE CONFIGURED.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED" FOR CHOOSE MODE SELECT: "ANSWER" (THE OTHER END MUST BE SET TO "ORIG")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU: FOR ASYNC/SYNC MODE SELECT: "ASYNC" FOR ASYNC DTE RATE, SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION. FOR RTS SELECT: "IGNORE"
  - f) GO INTO THE LEASED LINE MENU: FOR LEASED TX LEVEL SELECT: "-13" OR SET THE TX LEVEL ACCORDINGLY (FROM 0db TO -15db)
  - g) GO INTO THE V42/MNP/BUFFER MENU FOR ERR CONTROL MODE SELECT: "V42/MNP OR BFR"
  - h) SAVE THE SETTINGS.



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B9A

0 1 2 3 4 5 6 7 8 9

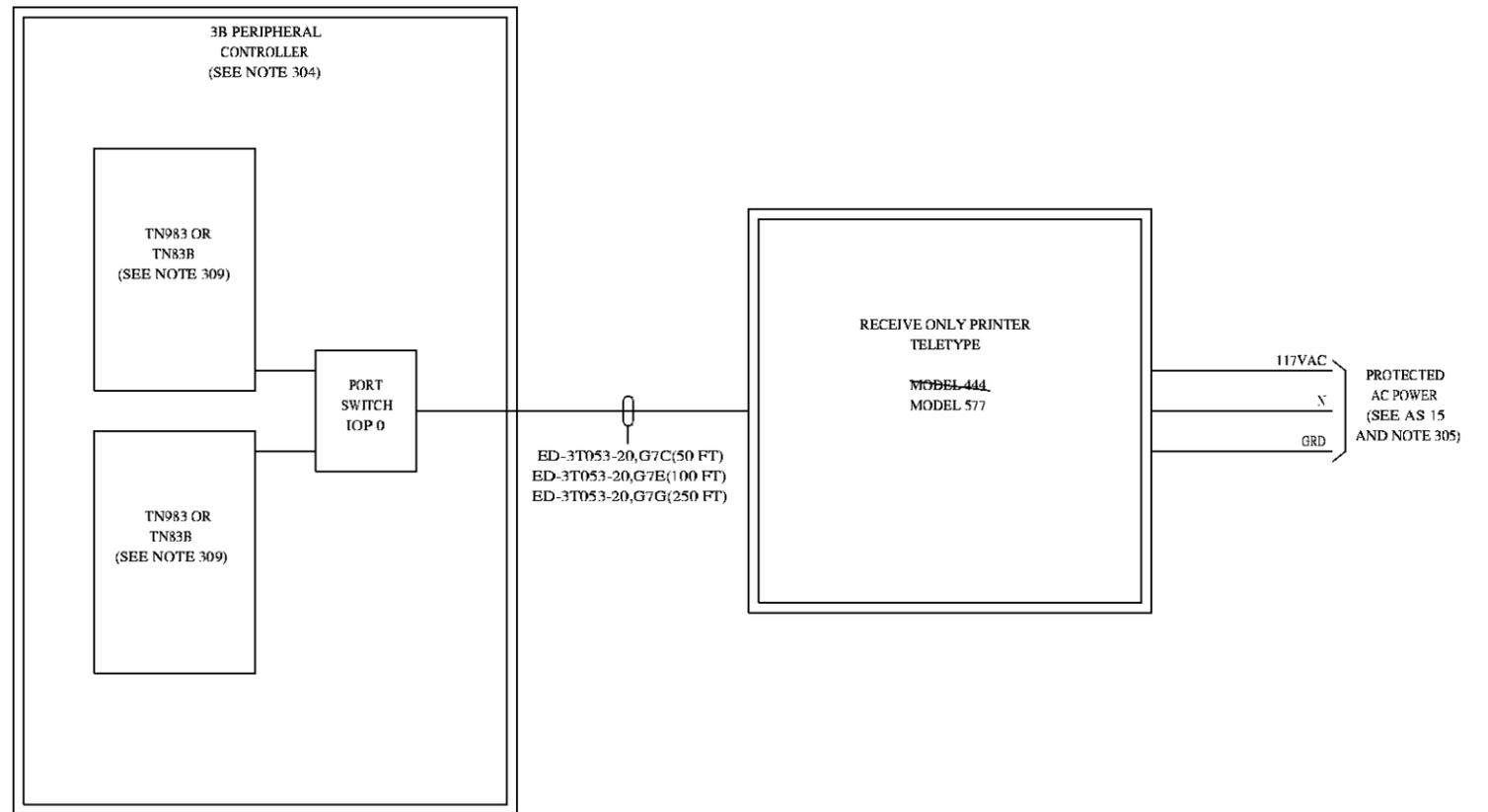
# AS 8

ACCESS TO NO. 5ESS FOR  
OPERATIONAL SUPPORT SYSTEMS  
THAT DO NOT REQUIRE DATA SET  
INTERFACES

1. CAROT - ACCESS MADE BY WAY OF DDD TRUNKS.
2. MLT-1 - ACCESS IS VIA A TEST TRUNK  
(SN107 CIRCUIT PACK) CIRCUIT.

# AS 9

MCC-ROP  
TYPICAL ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 317, 322, 336)



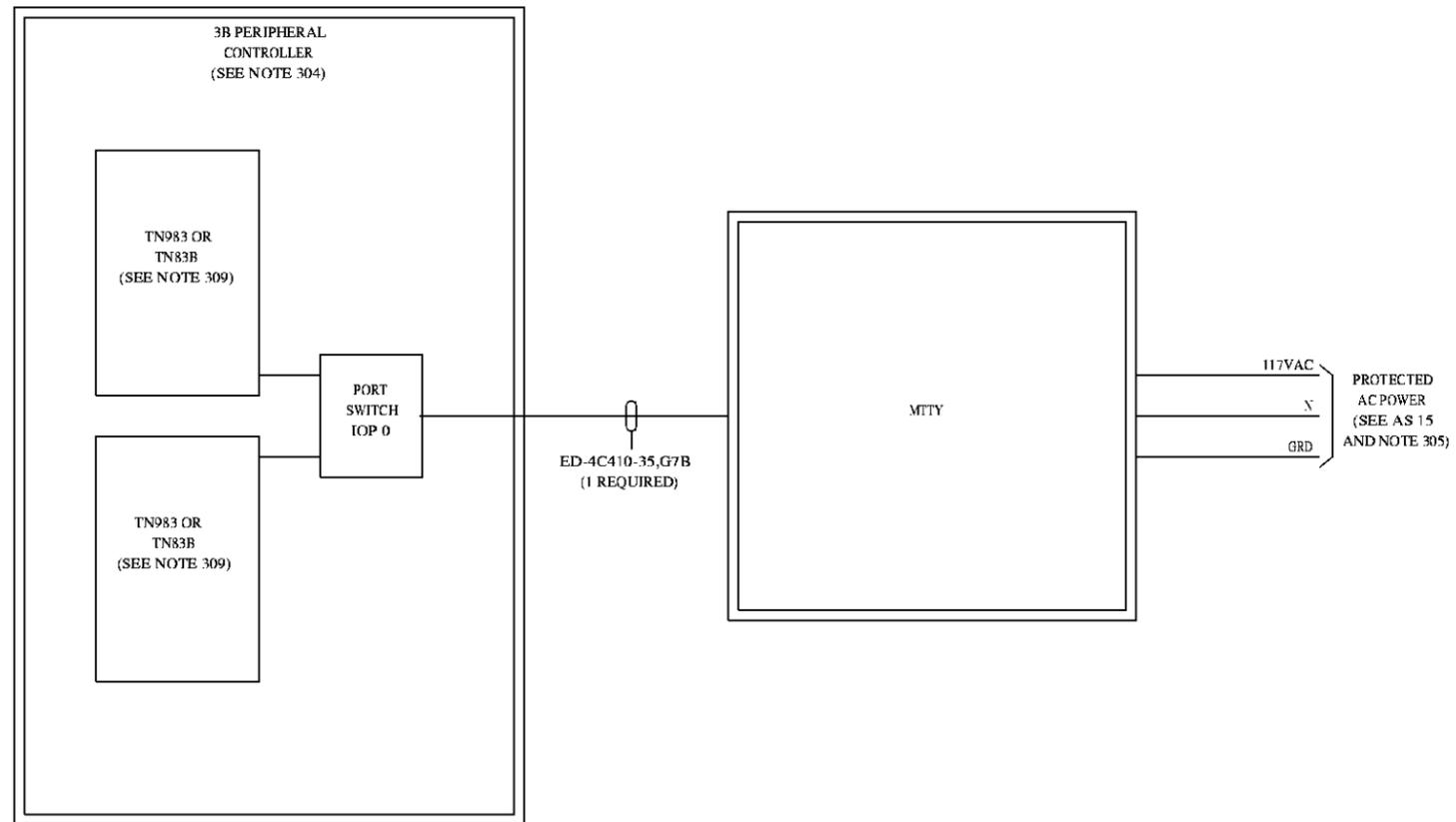
Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B10

0 1 2 3 4 5 6 7 8 9

# AS 10A

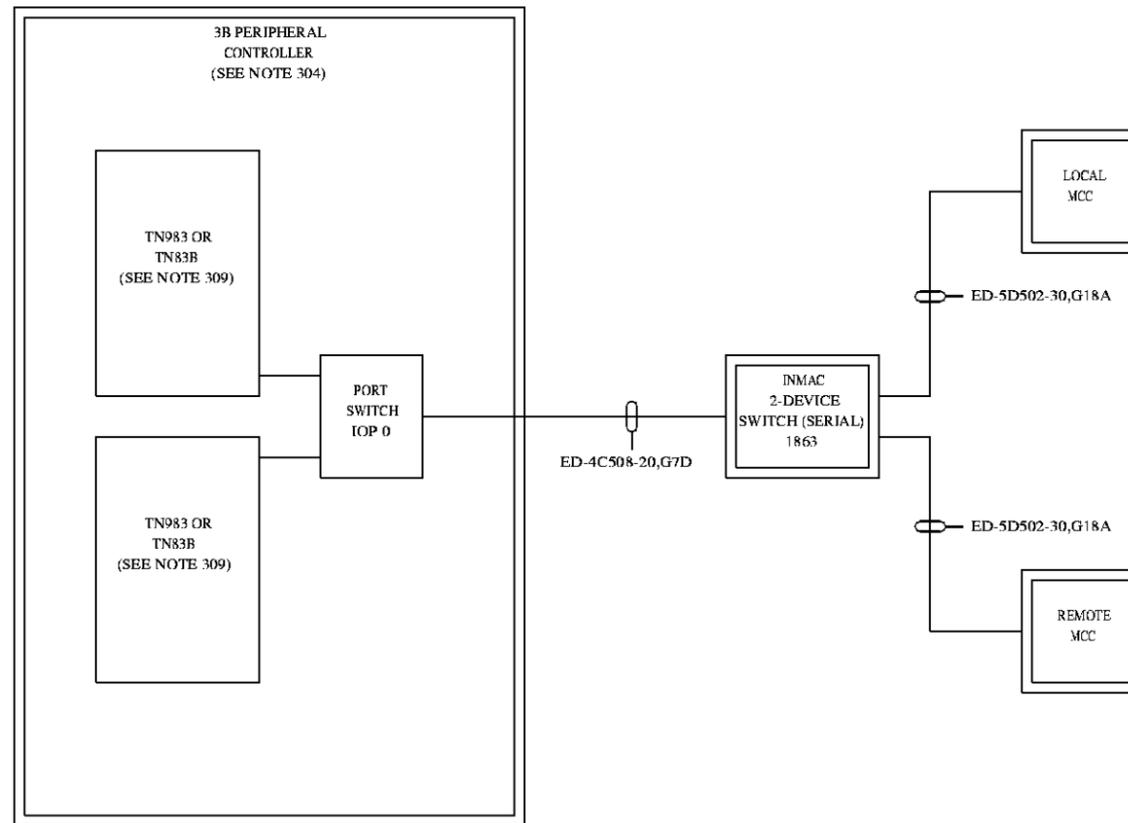
MCC-TTY  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
 (SEE NOTES 317, 322, 336)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B11

# AS 10B

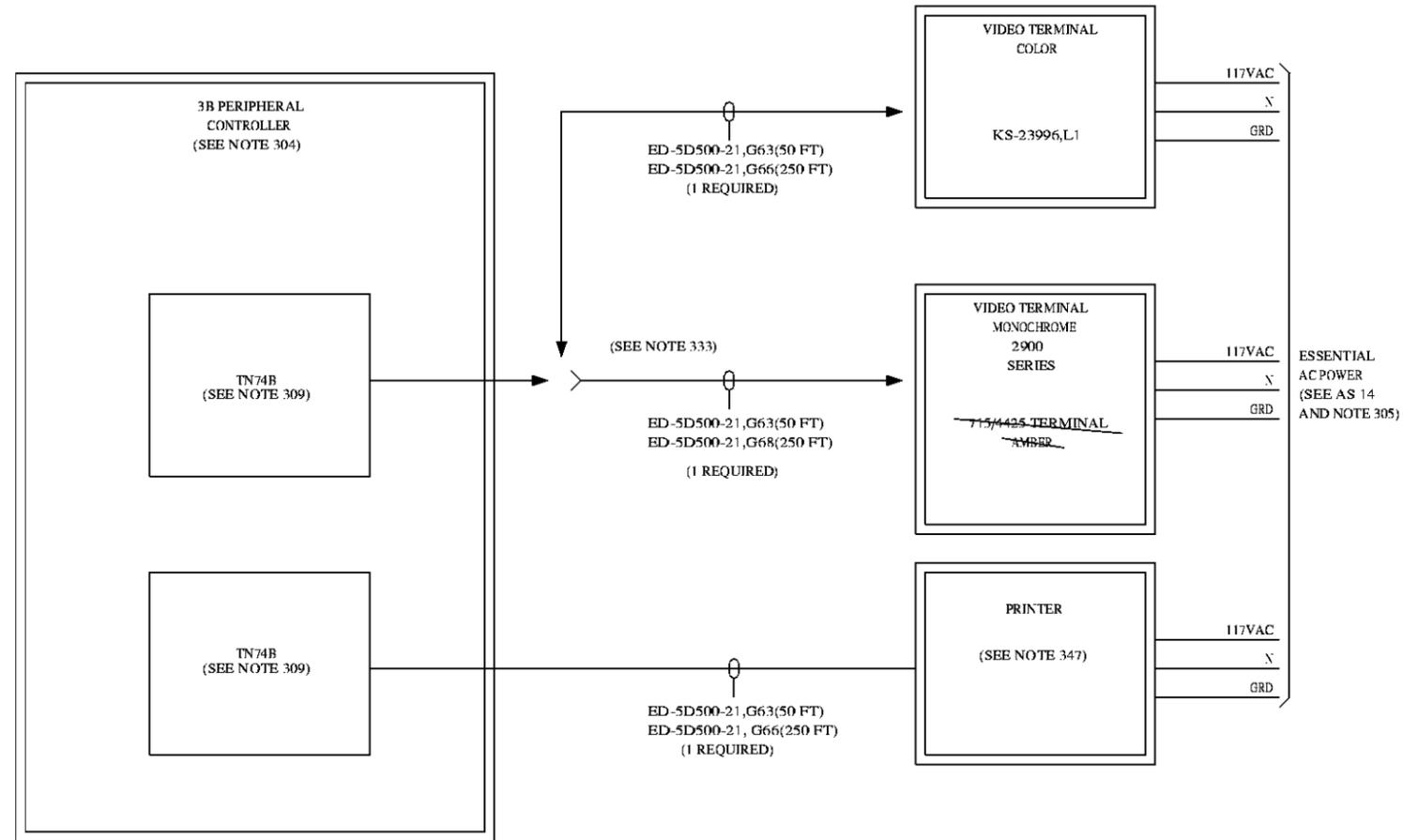
MCC-TTY  
 TYPICAL DATA SET ARRANGEMENT FOR  
 OPTIONAL INTERFACING BETWEEN  
 TWO MCC'S AND THE 3B20D OR 3B21D PROCESSOR



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B12

# AS 11

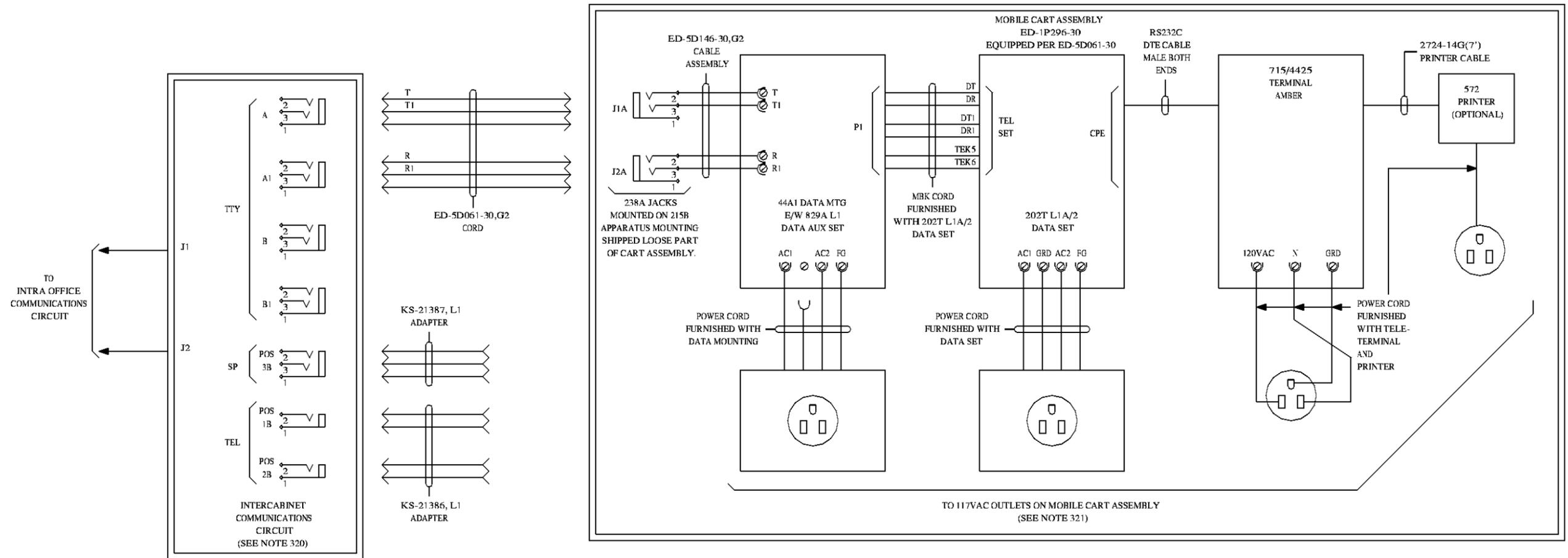
STLWS 1 THRU 6  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
 (SEE NOTES 318,322,336)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B13

# P/O AS 12 (DA'D)

MOBILE CART  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO NO. 5ESS BELTLINE  
(SEE NOTE 336)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B14

# P/O AS 12 (DA'D)

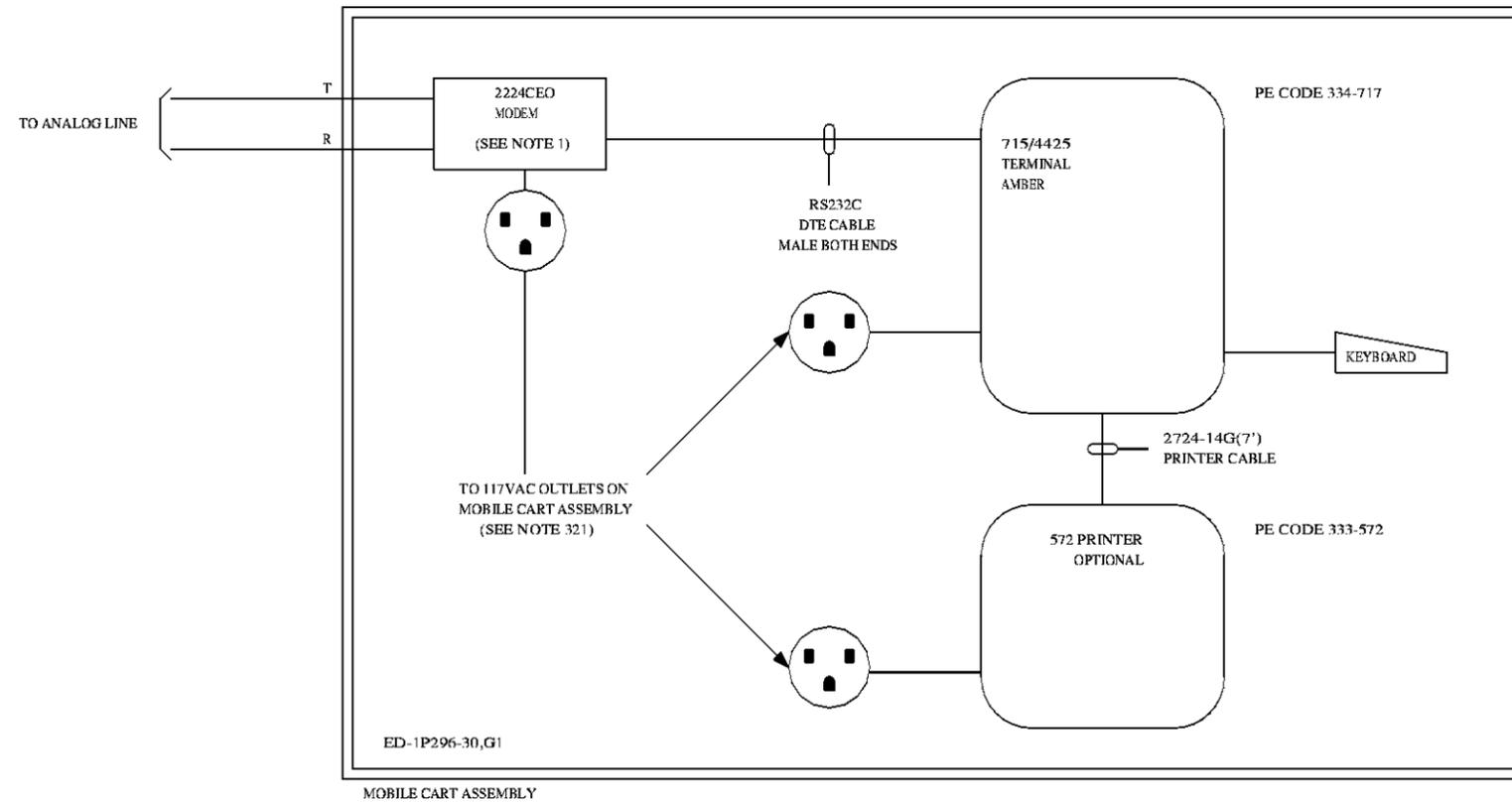
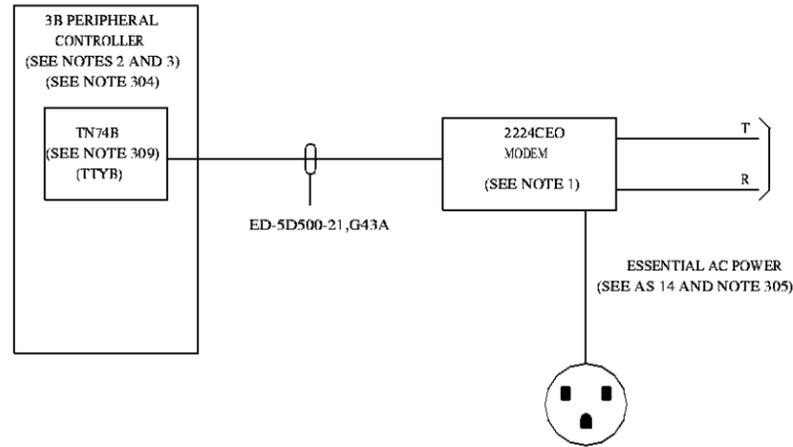
MOBILE CART  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE NO. 5ESS BELTLINE  
(SEE NOTE 336)

NOTE:

1. MODEM 2224CEO (SEE USERS MANUAL SUPPLIED WITH UNIT). SWITCH SETTINGS, LOCATED ON FRONT OF UNIT. (U-UP D-DOWN)

1 2 3 4 5 6 7 8  
D D D D U D D D

- SOFTWARE SETTING, CHANGED FROM DEFAULT SETTINGS.  
NO. 34 OPERATING MODE DEFAULT = 3 SET AT = 1  
NO. 55 CD INDICATES CARRIER DEFAULT = N SET AT = Y
2. THE TTYB PORT IN THE 3B20D MUST BE CHANGED TO 2400 BAUD AND HANGS UP ON LOSS OF LINE.
  3. SECURITY MUST BE USED ON THIS PORT WITH SWITCHED ACCESS. SEE 5ESS SWITCH UNIX SYSTEM REFERENCE MANUAL 235-700-200 FOR MORE INFORMATION.



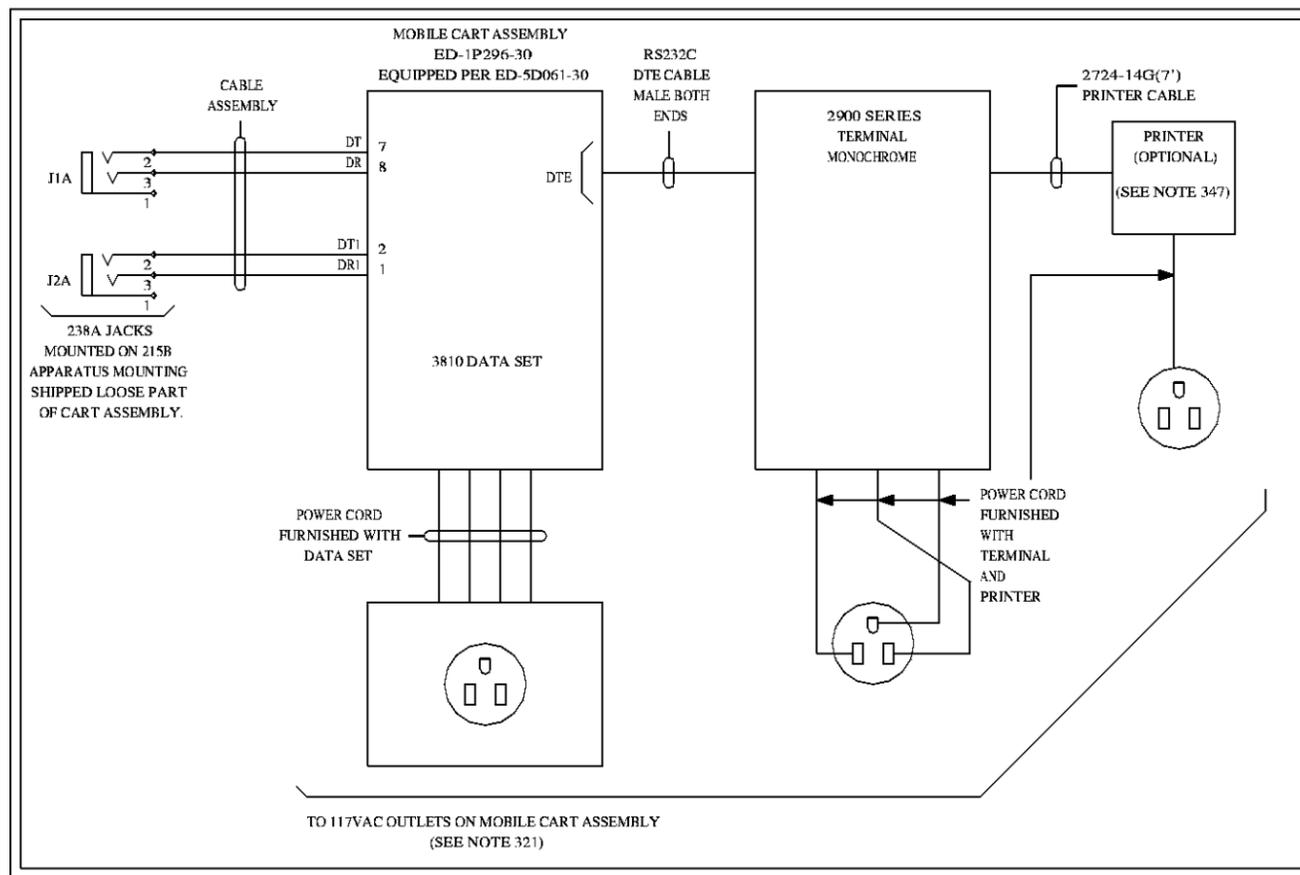
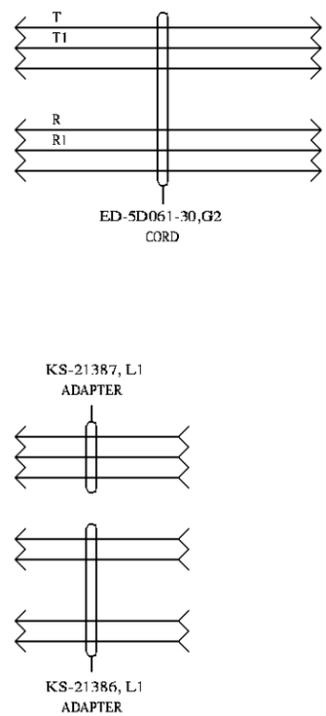
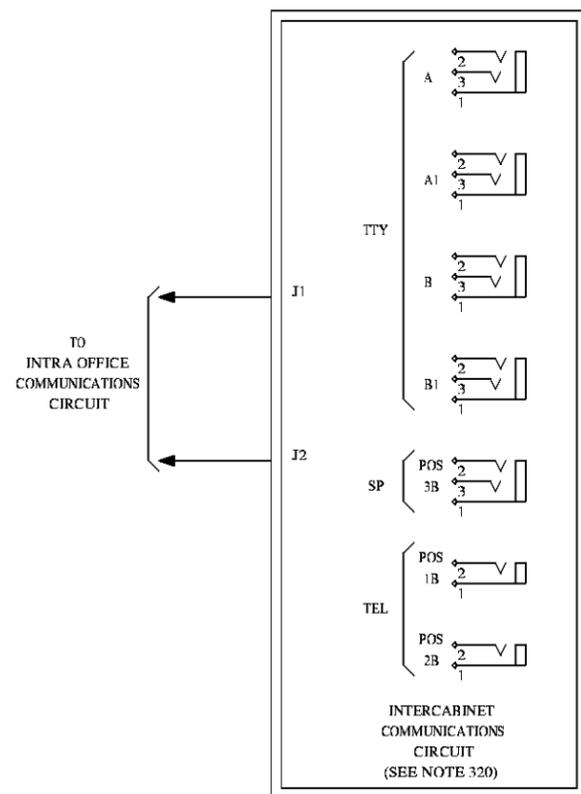
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B14A

# P/O AS 12

MOBILE CART  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO NO. 5ESS BELTLINE  
(SEE NOTE 336, 348)

NOTES:

1. TO CONFIGURE THE 3810 MODEM  
ADD SETTINGS a THRU h.
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE SELECT: "ANSWER"  
(THE OTHER END MUST BE SET TO "ORIG")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR ASYNC/SYNC MODE SELECT: "ASYNC"  
FOR ASYNC DTE RATE, SELECT THE  
APPROPRIATE RATE BASED ON THE PORT  
SPEED AND APPLICATION  
FOR RTS SELECT: "IGNORE"
  - f) GO INTO THE LEASED LINE MENU:  
FOR LEASED TX LEVEL SELECT: "-13"  
OR SET THE TX LEVEL ACCORDINGLY  
(FROM 0db TO -15db)
  - g) GO INTO THE V42/MNP/BUFFER MENU  
FOR ERR CONTROL MODE SELECT:  
"V42/MNP OR BFR"
  - h) SAVE THE SETTINGS.



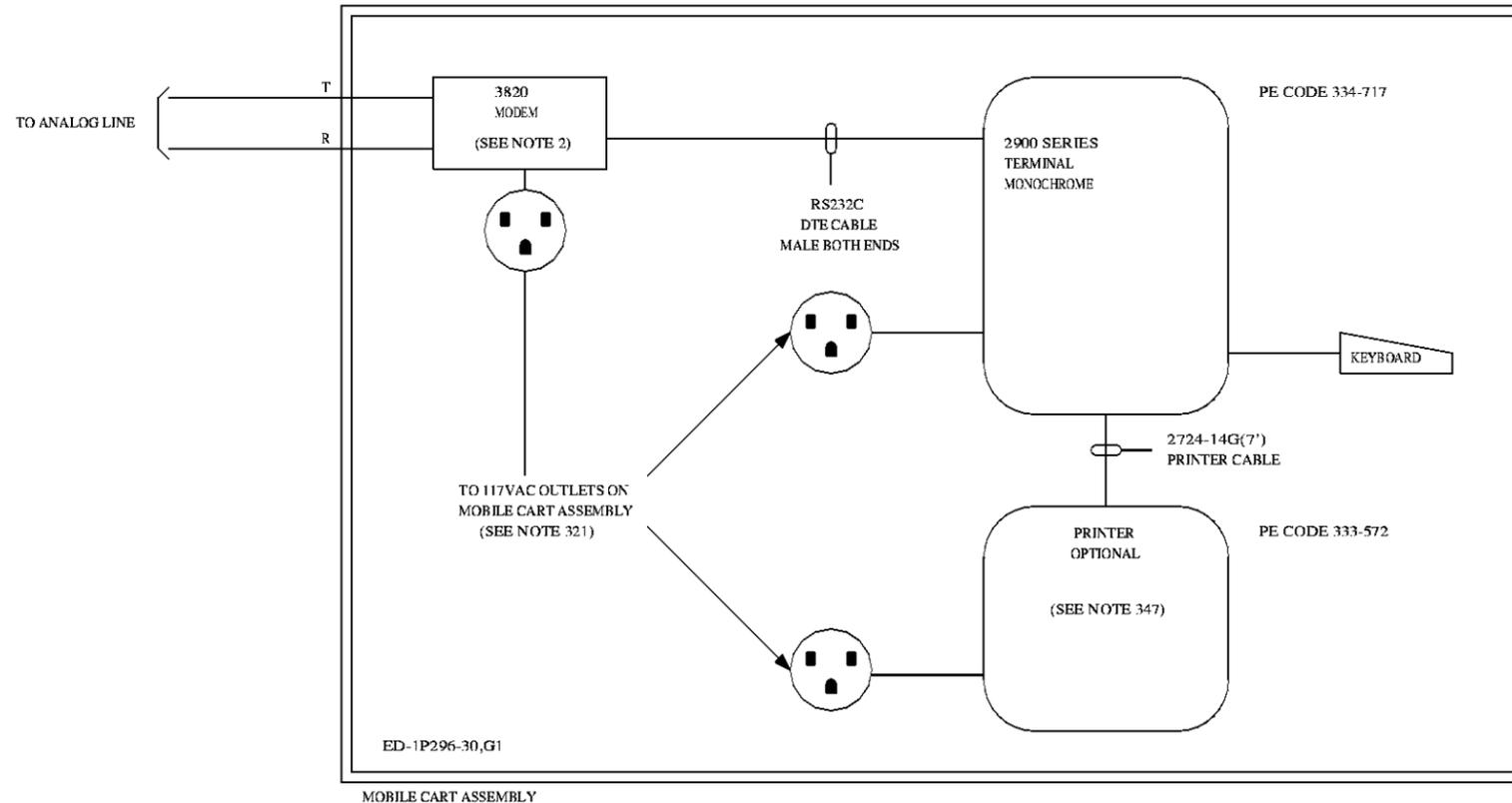
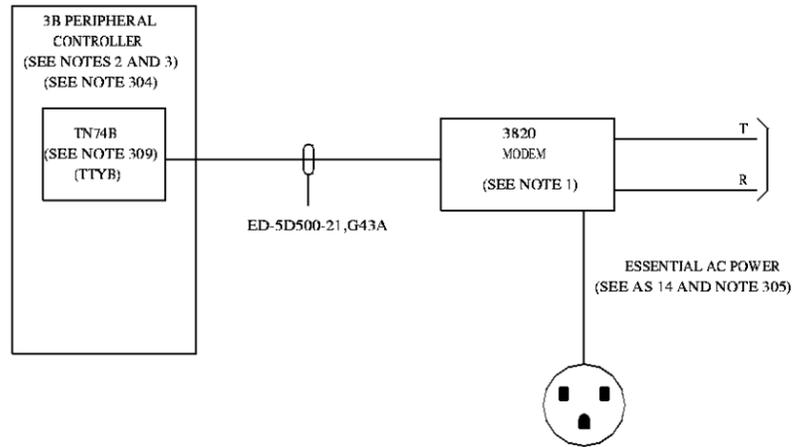
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B14B

# P/O AS 12

MOBILE CART  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE NO. 5ESS BELTLINE  
(SEE NOTE 336)

NOTES:

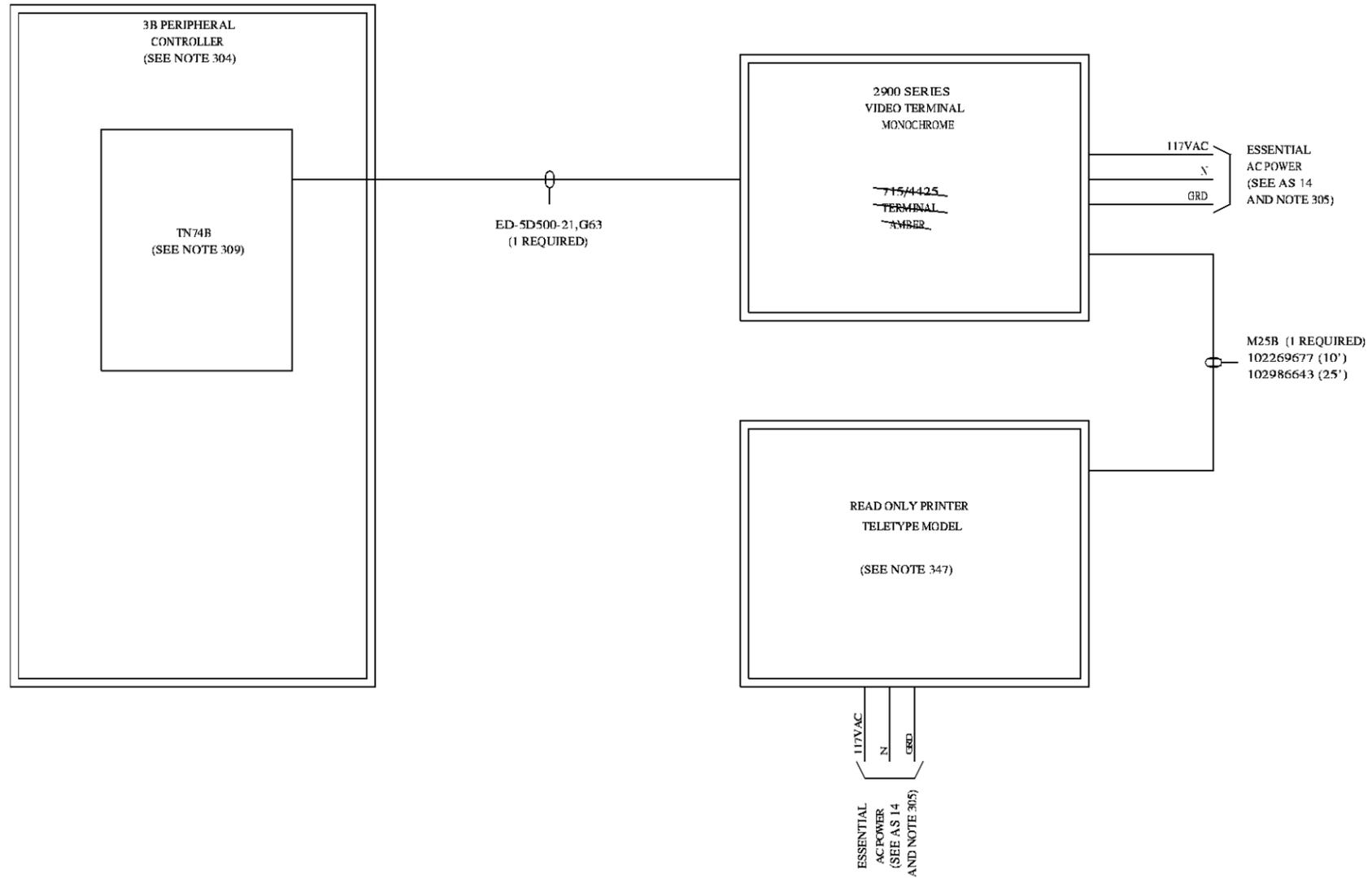
1. TO CONFIGURE THE 3820 MODEM FOR 2 WIRE (DIAL-UP) APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "ASYNC\_DIAL"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:
    - FOR ASYNC DTE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION
    - FOR DTR ACTION - SELECT: "Standrd RS232"
    - FOR DSR CONTROL - SELECT: "Standrd RS232"
  - f) GO INTO THE DTE DIALER MENU:
    - FOR DTE DIALER TYPE - SELECT: "Disable"
  - g) GO INTO THE LINE DIALER MENU:
    - FOR NO DATA DISCONNECT - SELECT: "Disable"
  - h) GO INTO THE DIAL LINE MENU:
    - FOR DIAL LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - i) SAVE THE NEW SETTINGS.
2. ON INITIAL SETUP ONLY
  - SELECT: "ASYNC DIAL" FROM THE MODEM FROM THE KEYBOARD TYPE: "AT"
  - TYPE: "AT & F & D2 & W"
  - TO DIAL THE PHONE NUMBER
  - TYPE: "ATDT (+PHONE NUMBER)"
3. THE TTYB PORT IN THE 3B20D OR 3B21D MUST BE CHANGED TO 2400 BAUD AND HANGS UP ON LOSS OF LINE.
4. SECURITY MUST BE USED ON THIS PORT WITH SWITCHED ACCESS. SEE 5ESS SWITCH UNIX SYSTEM REFERENCE MANUAL 235-700-200 FOR MORE INFORMATION.



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B14C

# P/O AS 13

RCV-LOCAL  
 TYPICAL DATA SET ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
 (SEE NOTES 304,322,336)

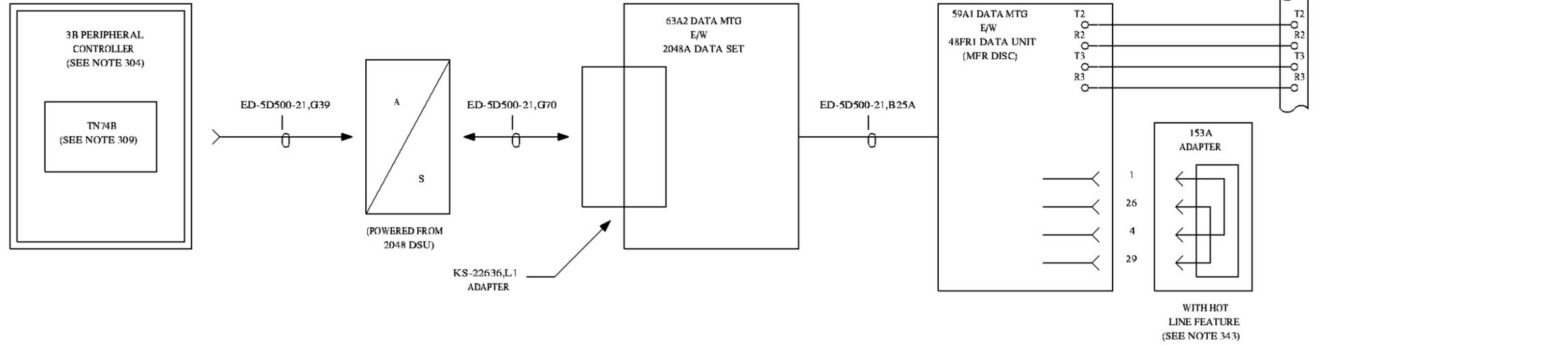


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B15

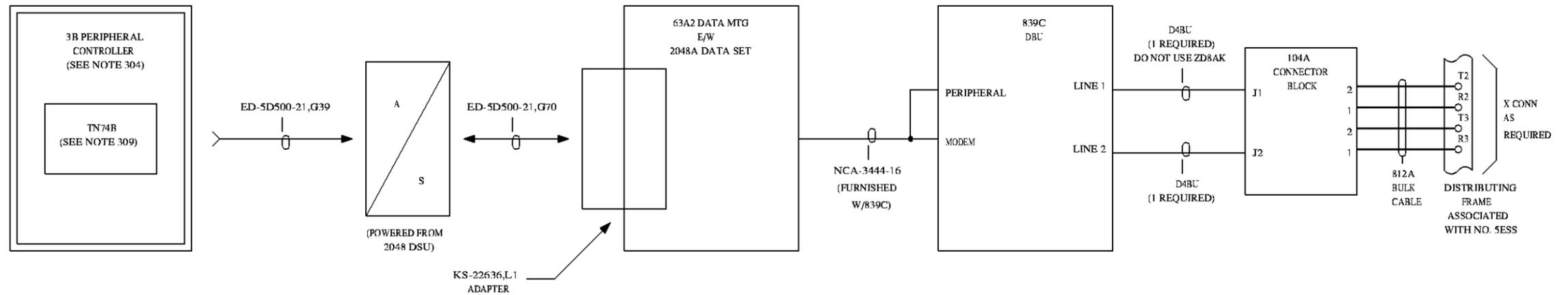
# P/O AS 13 (DA'D)

RCV (DIAL UP)  
 TYPICAL DATA SET ARRANGEMENT  
 FOR INTERFACING TO THE 3B20D PROCESSOR  
 (SEE NOTES 306,307,308,322,324,337)

FOR APPLICATIONS USING THE 48FR1 DATA UNIT



FOR APPLICATIONS USING THE 839C DIAL BACKUP UNIT



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE		DWG SIZE <b>C2</b>
Lucent Technologies		ISSUE <b>11B</b>
SD-5D071-01		SHEET B16

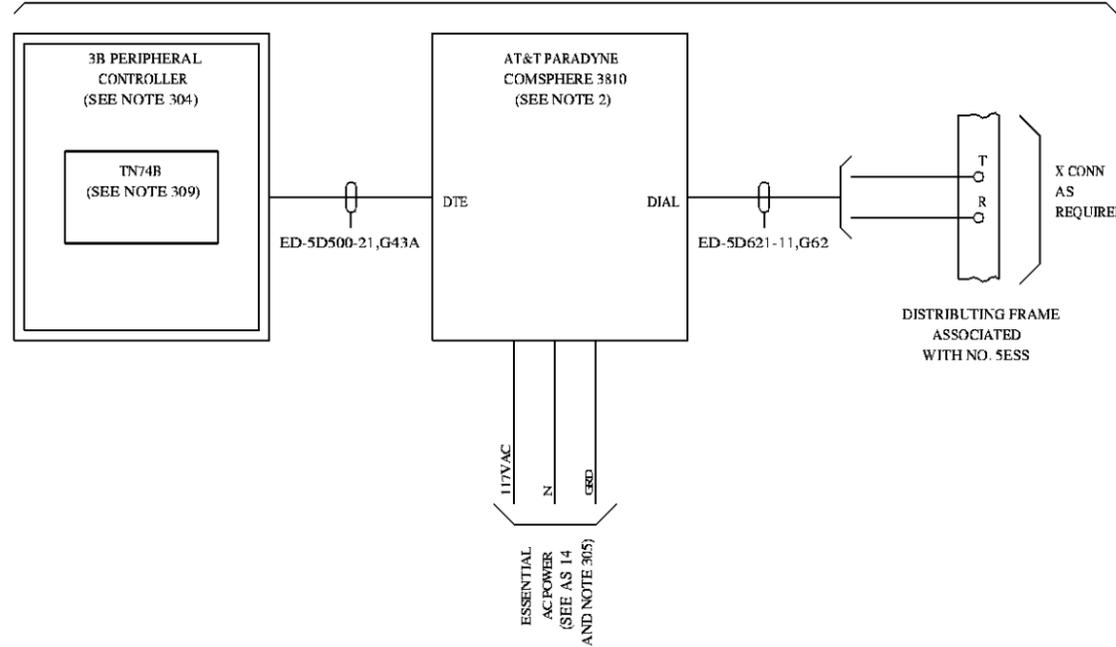
# P/O AS 13

RECENT CHANGE VERIFY (RCV)  
(DIAL UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTE 307,322,324,344,346)

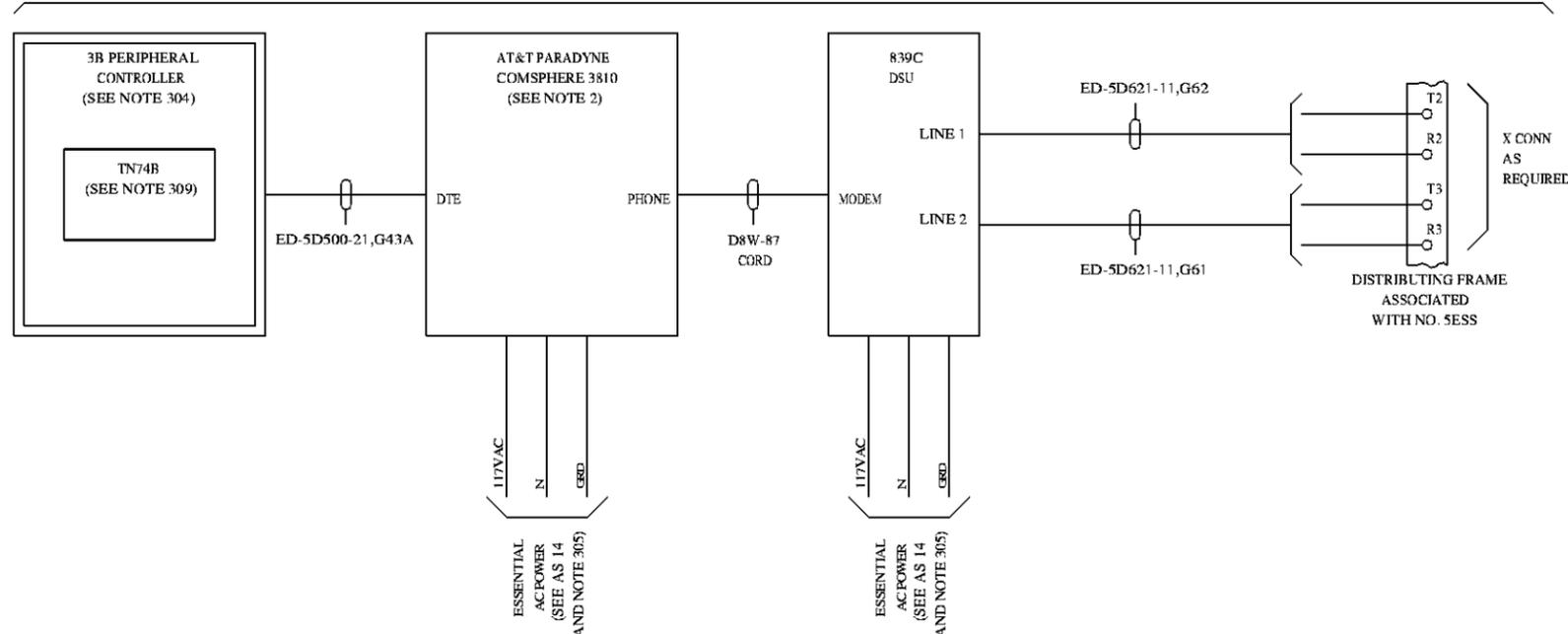
NOTES:

1. TO CONFIGURE THE 3810 MODEM FOR RCV  
2 WIRE (DIAL UP) APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "ASYNC\_DIAL"
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR ASYNC DTE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.  
FOR DTR ACTION - SELECT: "Stdnd RS232"  
FOR DSR CONTROL - SELECT: "Stdnd RS232"
  - f) GO INTO THE DTE DIALER MENU:  
FOR DTE DIALER TYPE - SELECT: "Disable"
  - g) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - h) GO INTO THE DIAL LINE MENU:  
FOR DIAL LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - i) SAVE THE NEW SETTINGS.
2. IF A 3811 MODEM IS USED A NETWORK INTERFACE MODULE MUST BE INSTALLED AS PART OF THE 3000 SERIES CARRIER. (SEE NOTE 349)
3. TO CONFIGURE THE 3810 MODEM FOR RCV  
4 WIRE (DIAL UP) W/839C APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"
  - FOR CHOOSE MODE - SELECT: "Answer"  
(THE OTHER END MUST BE SET TO "Orig")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR ASYNC/SYNC MODE - SELECT: "ASYNC"  
FOR ASYNC DTE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.  
FOR CTS CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
  - g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION.
  - h) GO INTO THE V42/MNP/BUFFER MENU:  
FOR ERR CONTROL MODE - SELECT: "V42/MNP/Bfr"
  - i) SAVE THE NEW SETTINGS.
4. TO CONFIGURE THE 839C DSU FOR RCV USING  
AUTO ANSWER 1st CALL - ORIGINATE 2nd CALL:
  - a) PHONE NUMBER MUST BE LOADED IN AT THE FACTORY IN ORDER TO ORIGINATE THE CALL
  - b) SET SWITCHES ON THE BACK OF THE 839C UNIT TO:  
OFF, ON, ON, ON  
("ON" BEING UP TOWARDS THE NUMBERS)

2 WIRE (DIAL UP) APPLICATIONS



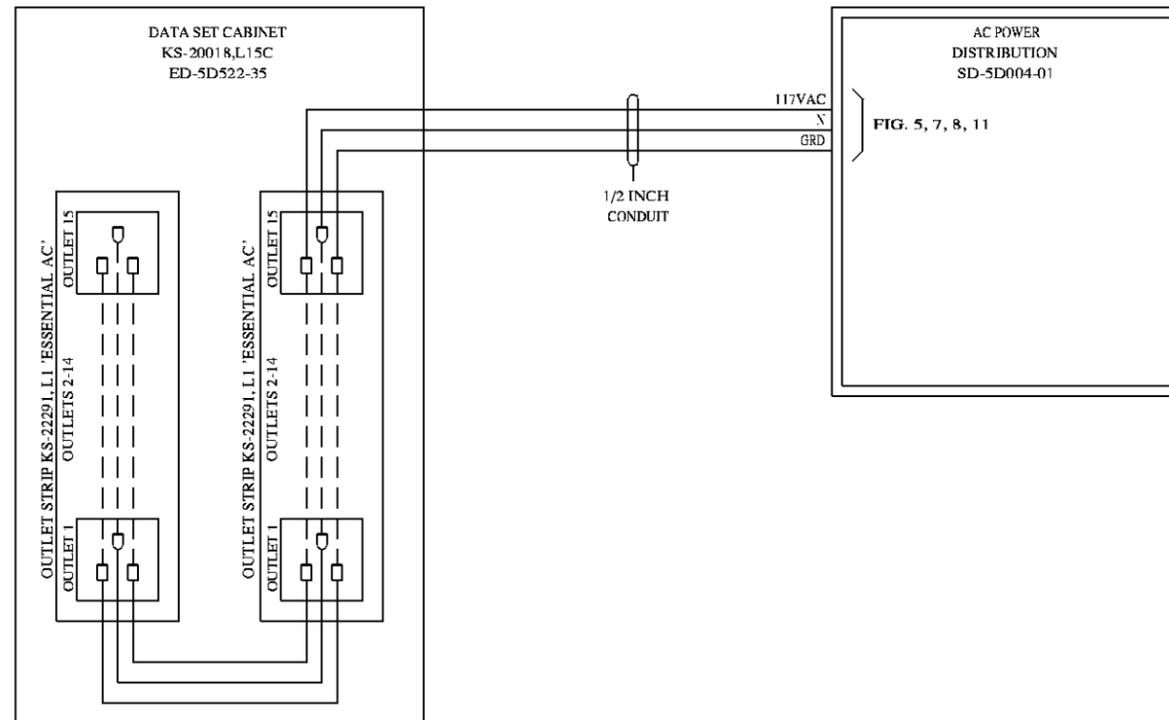
4 WIRE (DIAL UP) W/839C APPLICATIONS:



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B16A

# AS 14

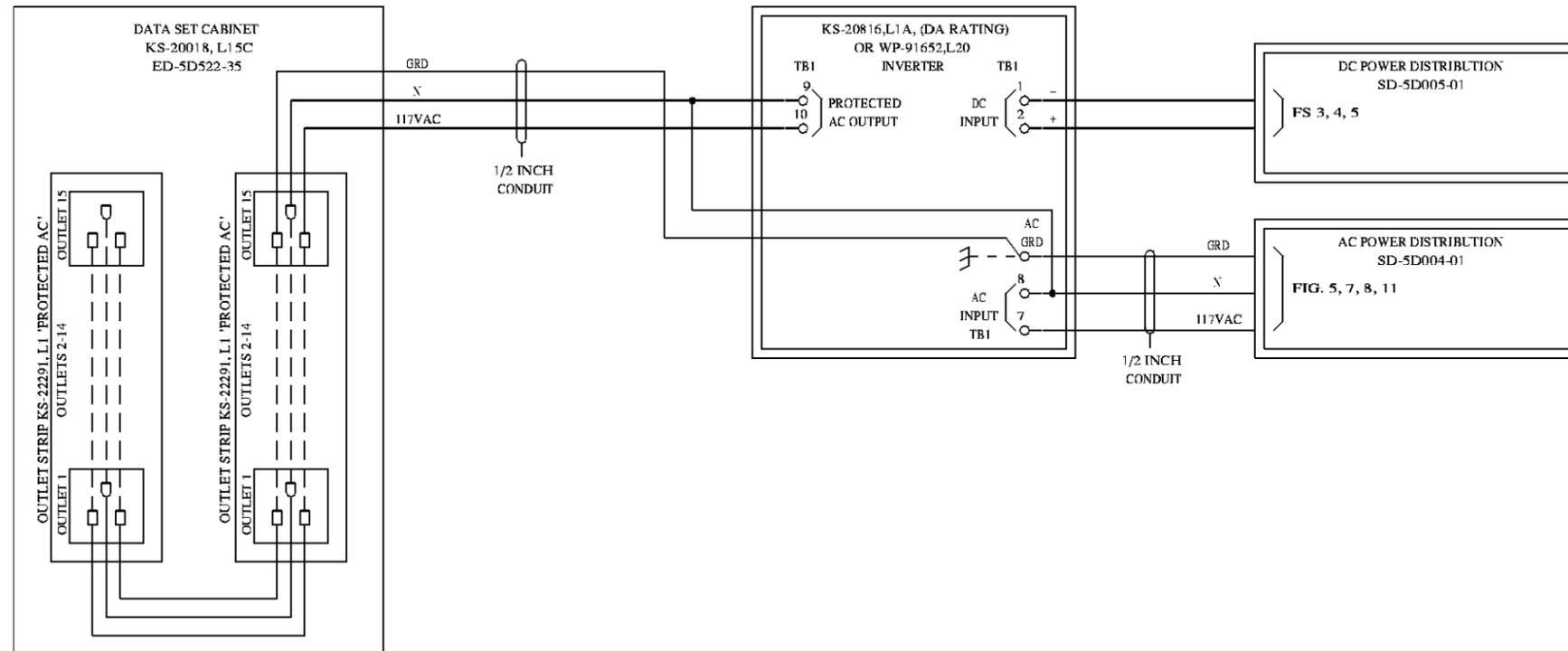
'ESSENTIAL AC' POWER  
FOR DATA SET CABINET ED-5D522-31  
(SEE NOTES 305 AND 307)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	14M
Lucent Technologies	SD-5D071-01	SHEET B17

# AS 15

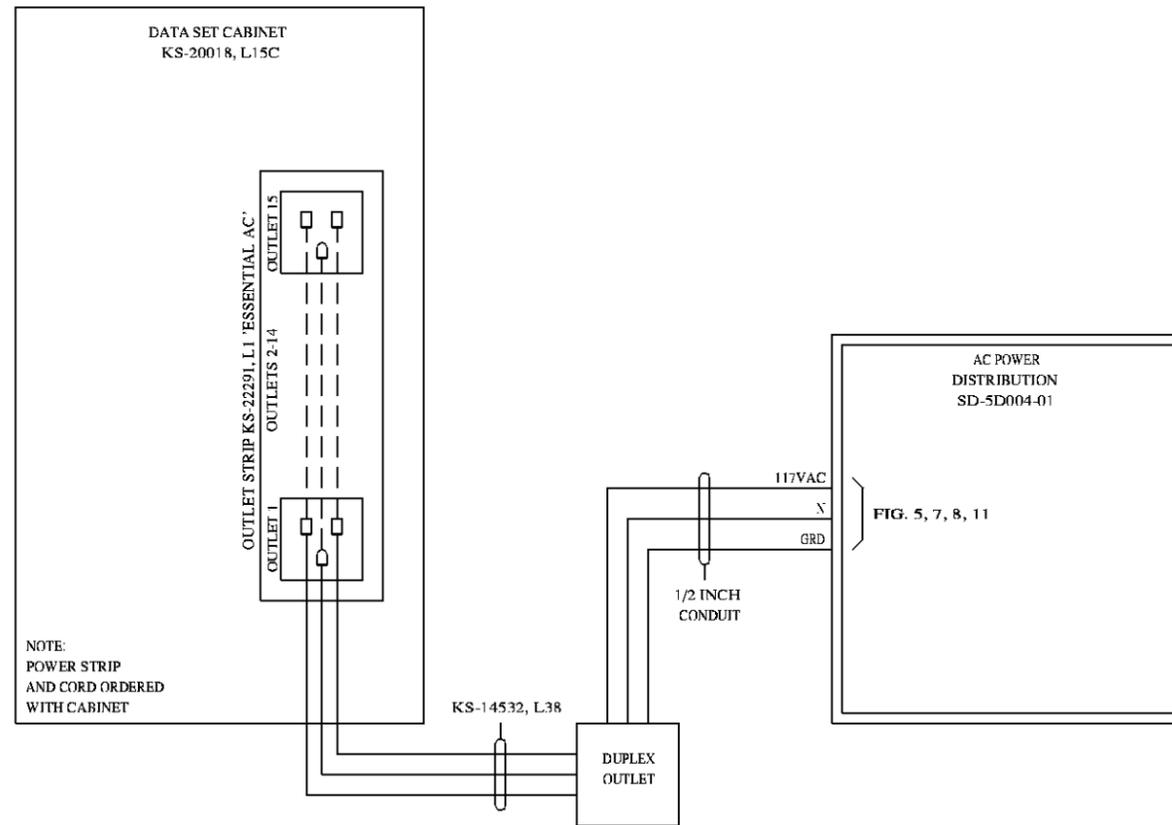
'PROTECTED AC' POWER  
FOR DATA SET CABINET ED-5D522-31  
(SEE NOTES 305 AND 307)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	14M
Lucent Technologies	SD-5D071-01	SHEET B18

# AS 16

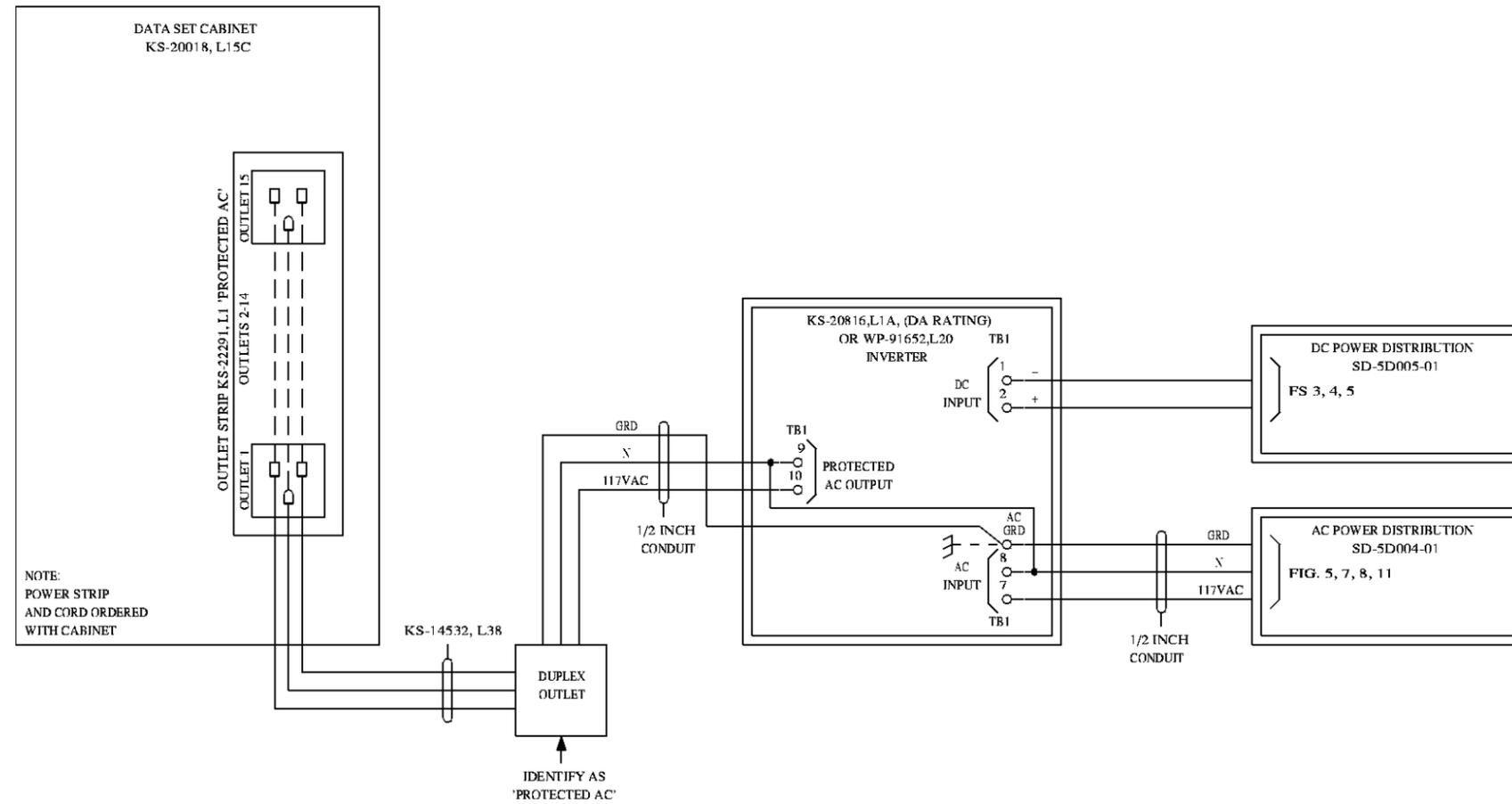
'ESSENTIAL AC' POWER  
FOR DATA SET CABINET KS-20018, L15C  
(SEE NOTES 305 AND 307)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	6B
Lucent Technologies	SD-5D071-01	SHEET B19

# AS 17

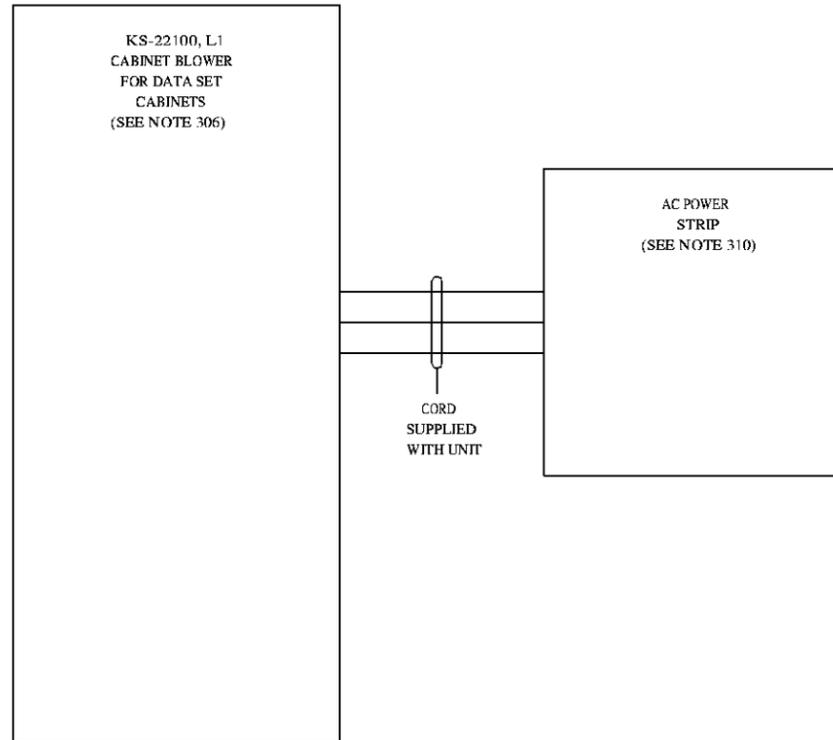
'PROTECTED AC' POWER  
FOR DATA SET CABINET KS-20018, L15C  
(SEE NOTES 305 AND 307)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B20

# AS 18

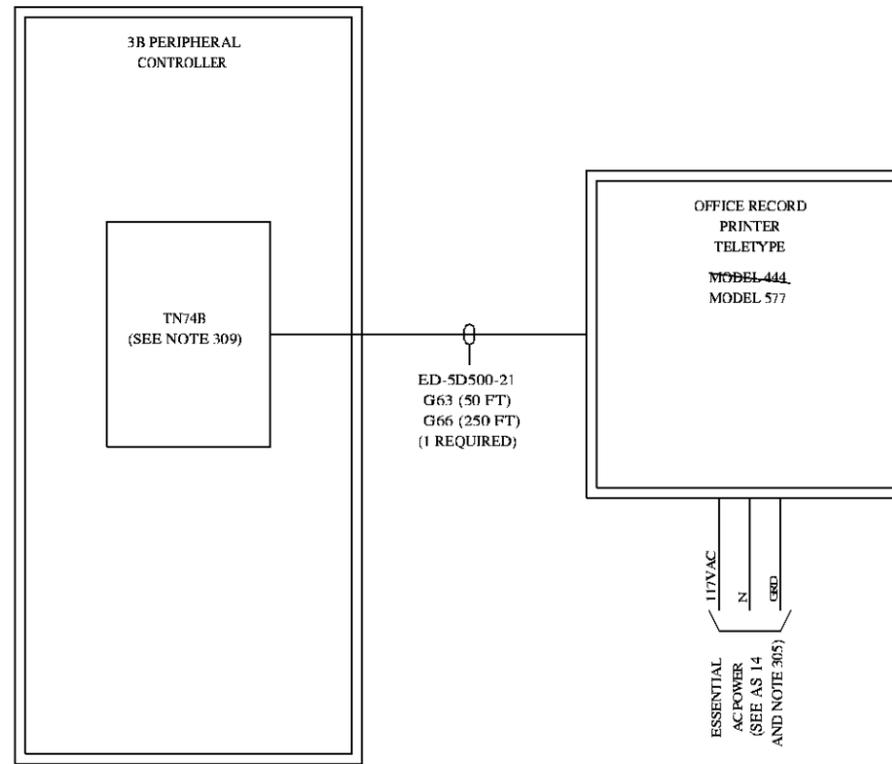
TYPICAL ARRANGEMENT FOR  
DATA SET CABINET BLOWER  
(SEE NOTE 307)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	6B
Lucent Technologies	SD-5D071-01	SHEET B21

# AS 19

TYPICAL ARRANGEMENT FOR  
OFFICE RECORD PRINTER (ORP)  
LOCATED WITHIN 50 FEET OF  
THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 326,336)



Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS  
INTERFACE

DWG SIZE  
**C2**

ISSUE  
**15B**

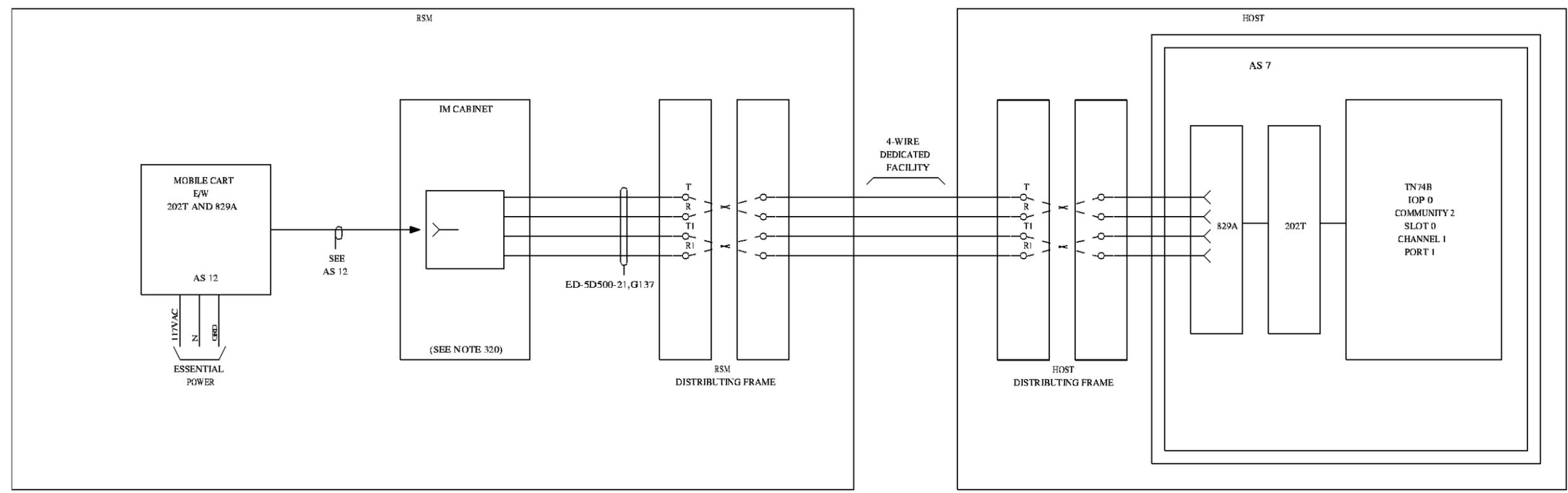
Lucent Technologies

**SD-5D071-01**

SHEET  
**B22**

# P/O AS 20 (DA'D)

TYPICAL DATA SET ARRANGEMENT FOR  
RSM INTERFACING TO THE 3B20D-2 PROCESSOR  
(SEE NOTE 336)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B23

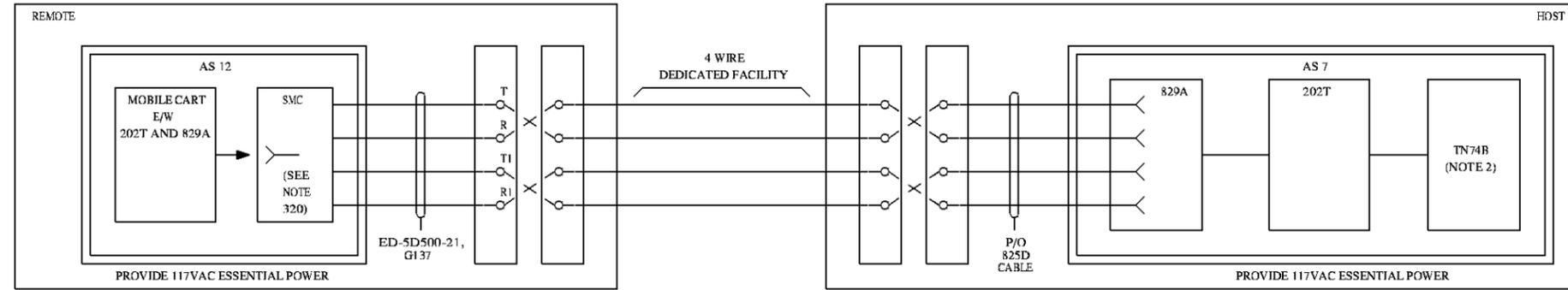
# P/O AS 20 (DA'D)

TYPICAL DATA SET ARRANGEMENT FOR REMOTE MAINTENANCE VIA BELT LINE TTY-B CHANNEL  
(SEE NOTE 336)

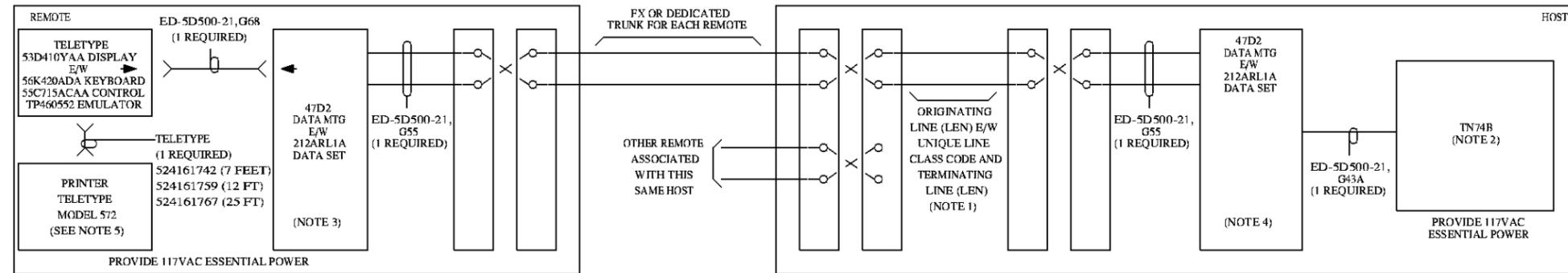
**NOTES:**

- SPECIAL ROUTING IS REQUIRED TO PERMIT ONLY THE BELT LINE ORIGINATING LEN TO ACCESS THIS TERMINATING LEN.
- THESE ARRANGEMENTS USE THE TTY-B CHANNEL AND THE TTY-A WILL BE USED AT THE HOST FOR BELT LINE MAINTENANCE.
- REQUIRES DATA PHONE TO ORIGINATE AND MONITOR FOR A BUSY. THE 212A DATA SET NEEDS LOW SPEED (300 BAUD), ORIGINATE MODE AND DISCONNECT ON LOSS OF CARRIER OPTIONS.
- THE 212A DATA SET AT TERMINATING END NEEDS DISCONNECT ON LOSS OF CARRIER, 300 BAUD, AND ANSWER MODE OPTIONS.
- THE 572 PRINTER AND CONNECTING CABLE IS ONLY REQUIRED WHEN PAPER PRINT OUTS ARE DESIRED OF THE INFORMATION BEING DISPLAYED ON THE 53D410YAA DISPLAY TERMINAL.

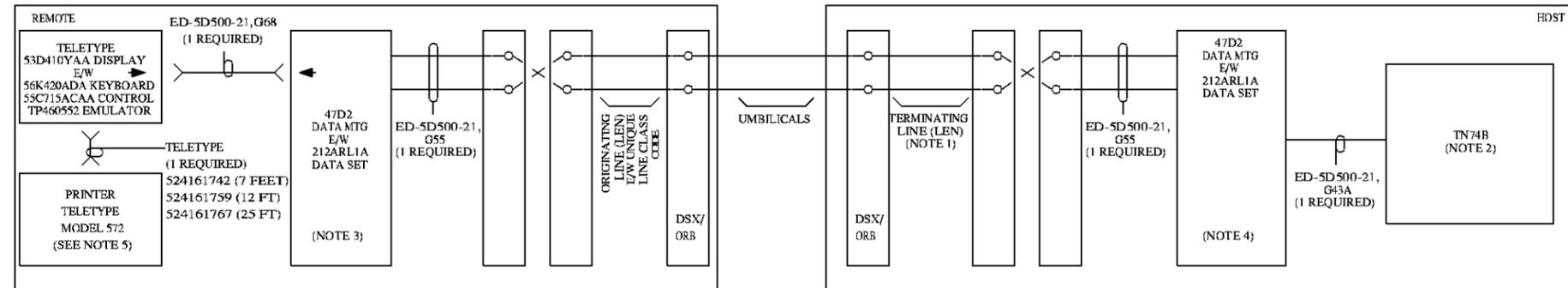
## SINGLE DEDICATED REMOTE (DA'D)



## HOST PROVIDES SWITCHED ACCESS (DA'D)



## REMOTE PROVIDES SWITCHED ACCESS (DA'D)



Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS  
INTERFACE

DWG SIZE	ISSUE
C2	15B

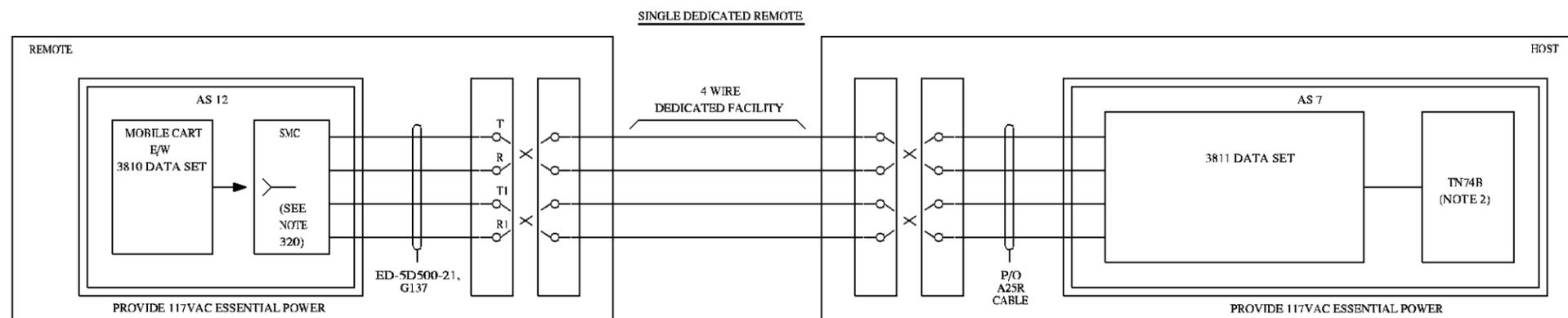
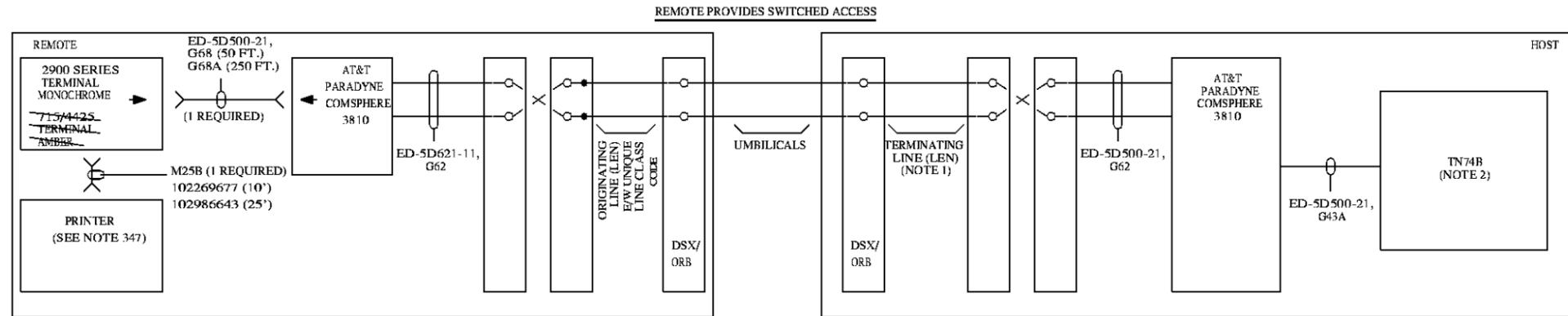
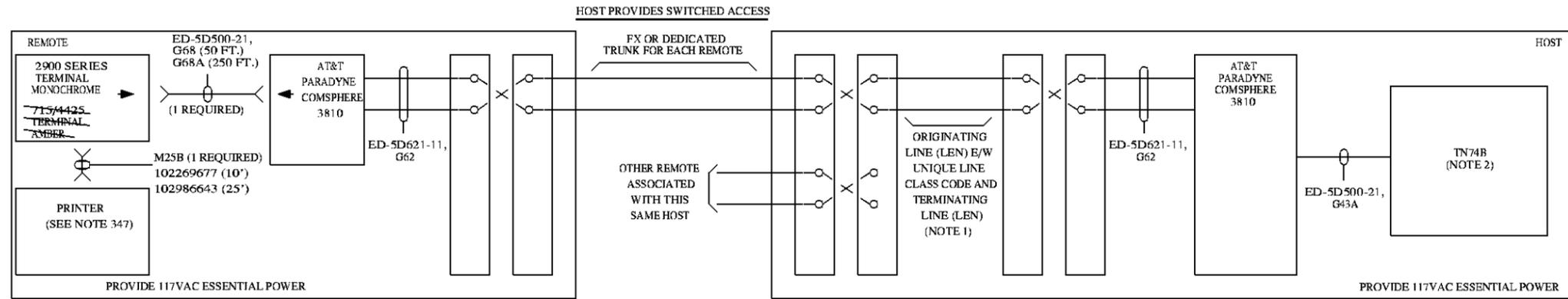
Lucent Technologies	SD-5D071-01	SHEET B24
---------------------	-------------	-----------

# P/O AS 20

TYPICAL DATA SET ARRANGEMENT FOR REMOTE MAINTENANCE VIA BELT LINE TTY-B CHANNEL  
(SEE NOTE 336, 344)

**NOTES:**

1. SPECIAL ROUTING IS REQUIRED TO PERMIT ONLY THE BELT LINE ORIGINATING LEN TO ACCESS THIS TERMINATING LEN.
2. THESE ARRANGEMENTS USE THE TTY-B CHANNEL AND THE TTY-A WILL BE USED AT THE HOST FOR BELTLINE MAINTENANCE.
3. THE PRINTER AND CONNECTING CABLE IS ONLY REQUIRED WHEN PAPER PRINT OUTS ARE DESIRED OF THE INFORMATION BEING DISPLAYED ON THE DISPLAY TERMINAL.
4. TO CONFIGURE THE 3810 MODEM FOR BELT LINE APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT "SYNC\_LEASED" FOR CHOOSE MODE SELECT: "Answer" (THE OTHER END MUST BE SET TO "orig")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU: FOR ASYNC/SYNC MODE - SELECT "Async" FOR ASYNC DTE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION. FOR ASYNC #DATA BITS - SELECT: "7" FOR ASYNC PARITY BIT - SELECT "Even" FOR CTS CONTROL - SELECT "Forced On"
  - f) GO INTO THE LEASED LINE MENU: FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION. FOR LEASED TX LEVEL - SELECT: "-13"
  - g) SAVE THE SETTINGS.

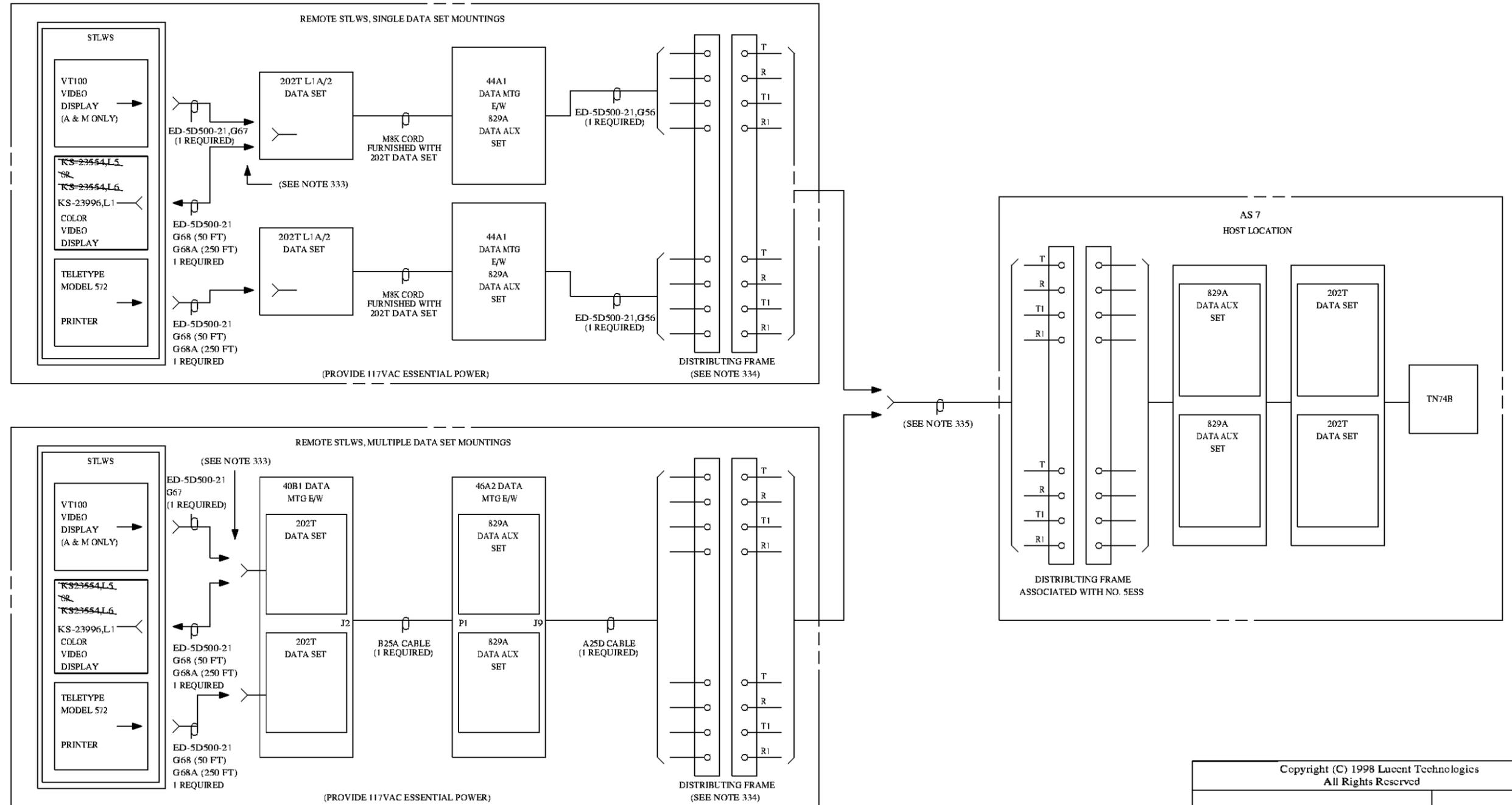


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B24A

# P/O AS 21 (DA'D)

TYPICAL DATA SET ARRANGEMENT FOR  
REMOTE STLWS (OVER 250 FT)  
(SEE NOTES 322, 336, 338, 339, 340)

## DEDICATED REMOTE STLWS

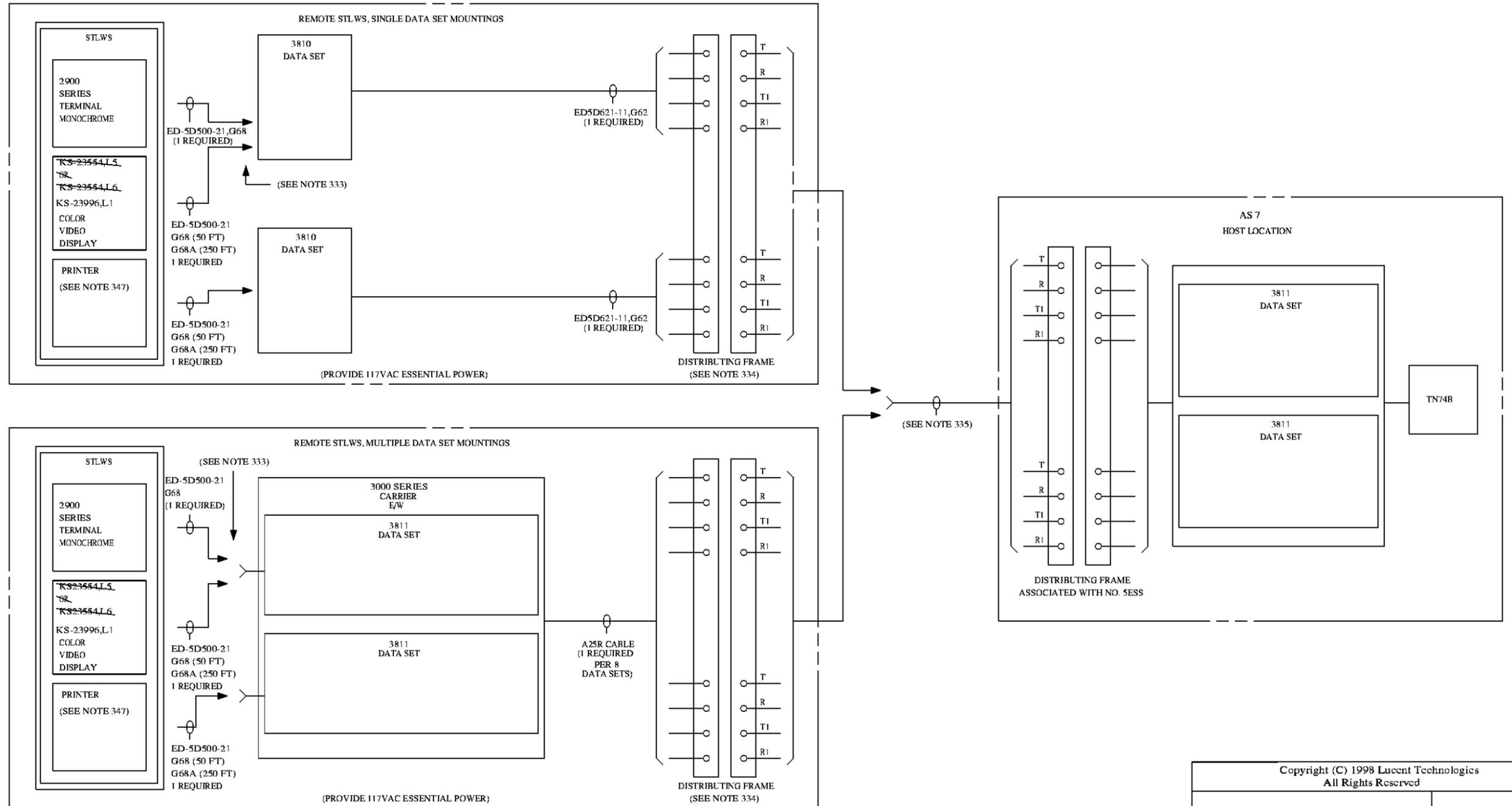


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B25

# P/O AS 21

TYPICAL DATA SET ARRANGEMENT FOR  
REMOTE STLWS (OVER 250 FT)  
(SEE NOTES 322, 336, 338, 339, 340, 348)

## DEDICATED REMOTE STLWS



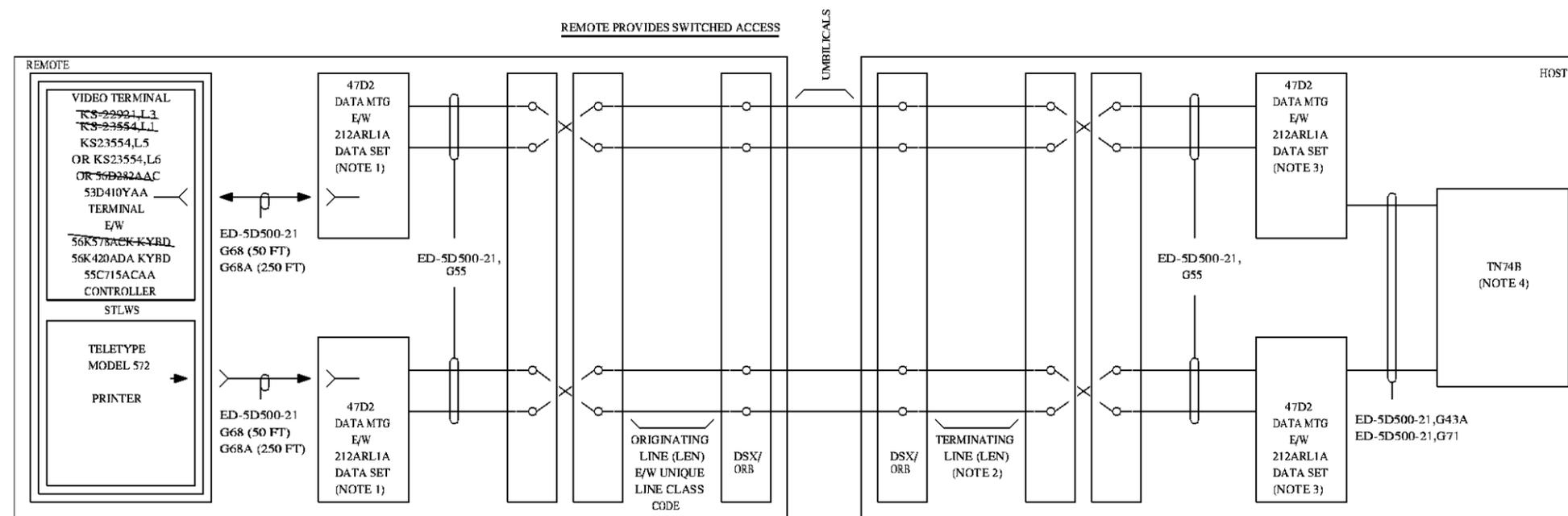
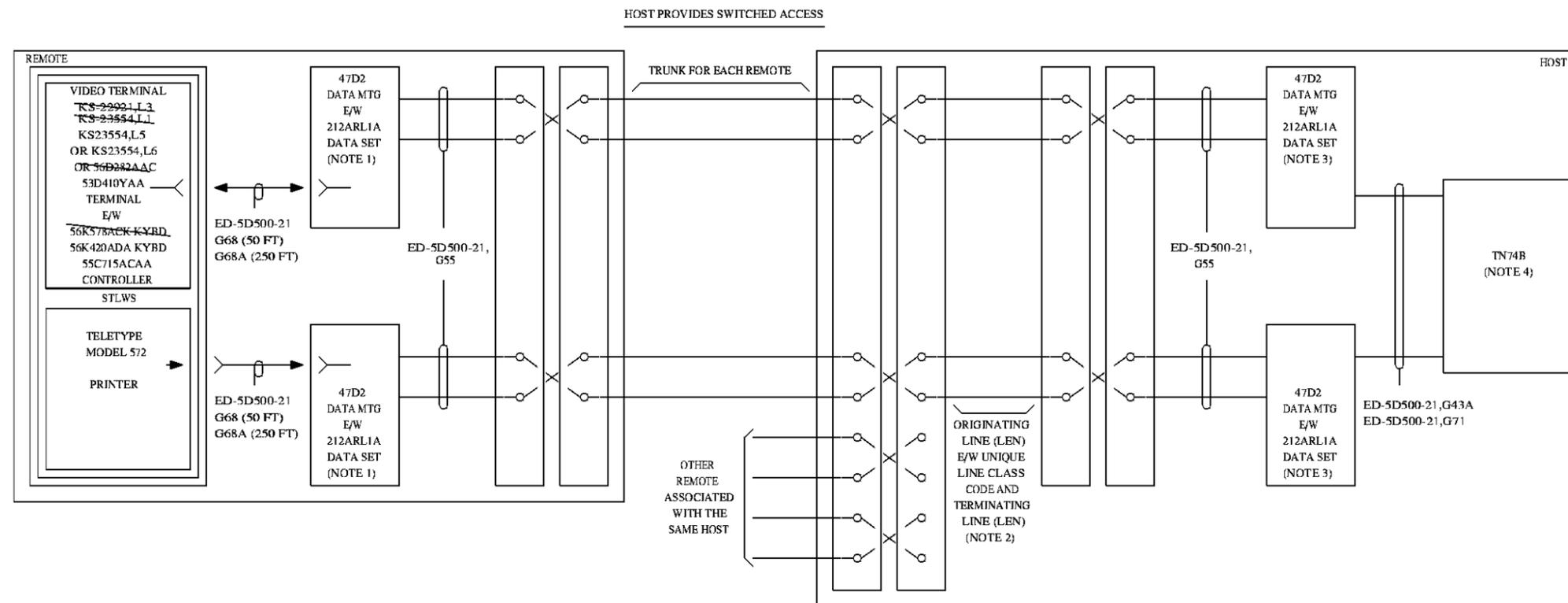
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B25A

# P/O AS 21 (DA'D)

TYPICAL DATA SET ARRANGEMENT FOR  
FOR REMOTE STLWS (OVER 250 FT)  
(SEE NOTES 322,336,338,339,340)

NOTES:

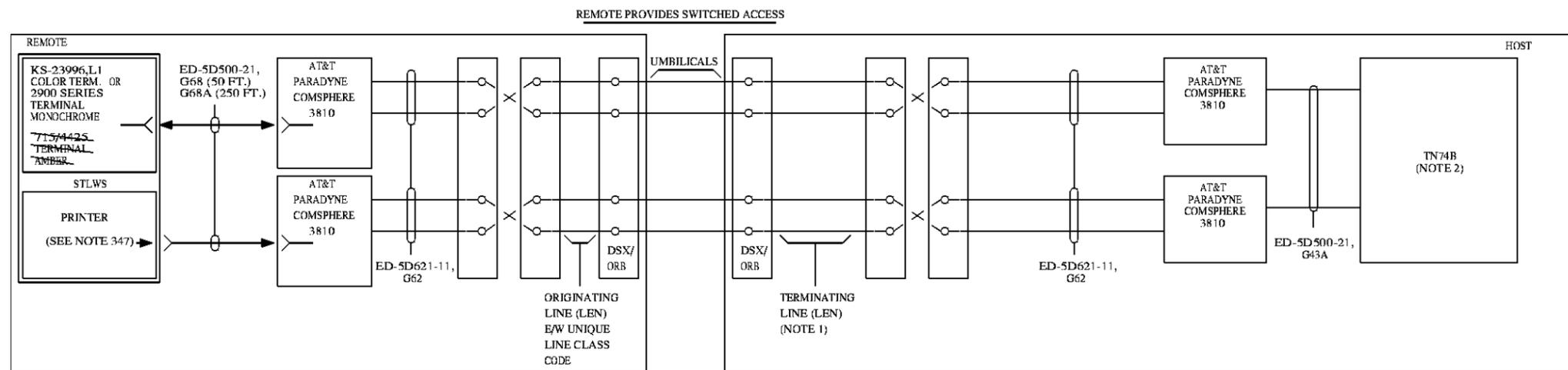
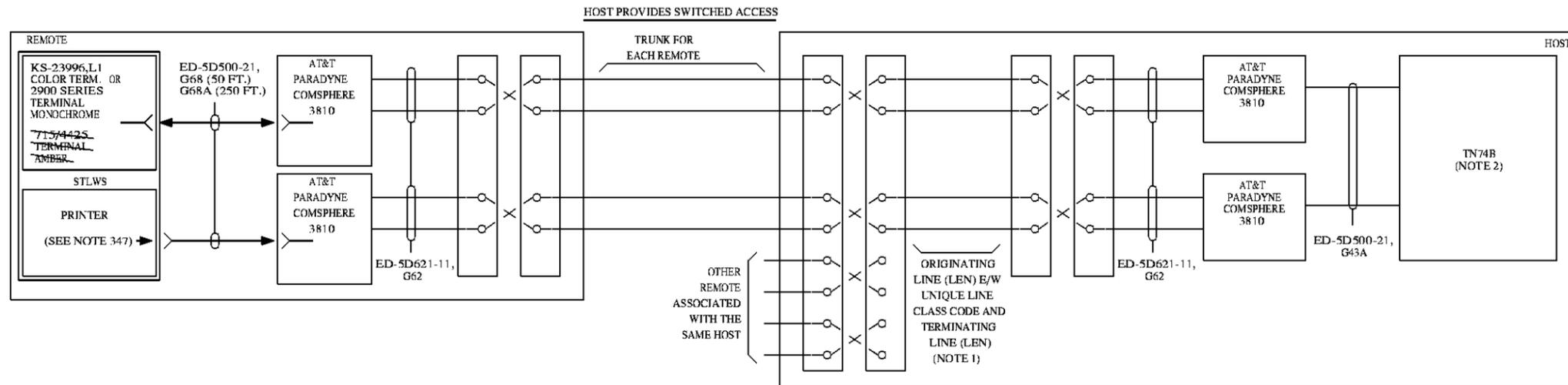
1. DATA PHONE IS REQUIRED TO ORIGINATE CALL  
THE 212A DATA SET WILL OPERATE AT 1200 BAUD.
2. SPECIAL TERMINATING SCREENING SHOULD BE USED  
TO PERMIT ONLY LINES WITH A PARTICULAR LINE  
CLASS CODE TO ACCESS THIS LINE.
3. THE 212A DATA SET MUST BE OPTIONED TO  
DISCONNECT UPON LOSS OF CARRIER, 1200 BAUD  
OPERATION AND ANSWER MODE.
4. SEPARATE PORTS OF THE TN74B CIRCUIT PACK ARE  
USED FOR PRINTERS AND VIDEO DISPLAY  
TERMINALS. (SEE AS 11)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE <b>C2</b>	ISSUE <b>11B</b>
Lucent Technologies	<b>SD-5D071-01</b>	SHEET <b>B26</b>

# P/O AS 21

TYPICAL DATA SET ARRANGEMENT FOR REMOTE  
STLWS (OVER 250 FT.)  
(SEE NOTES 322, 336, 338, 339, 344)



**NOTES:**

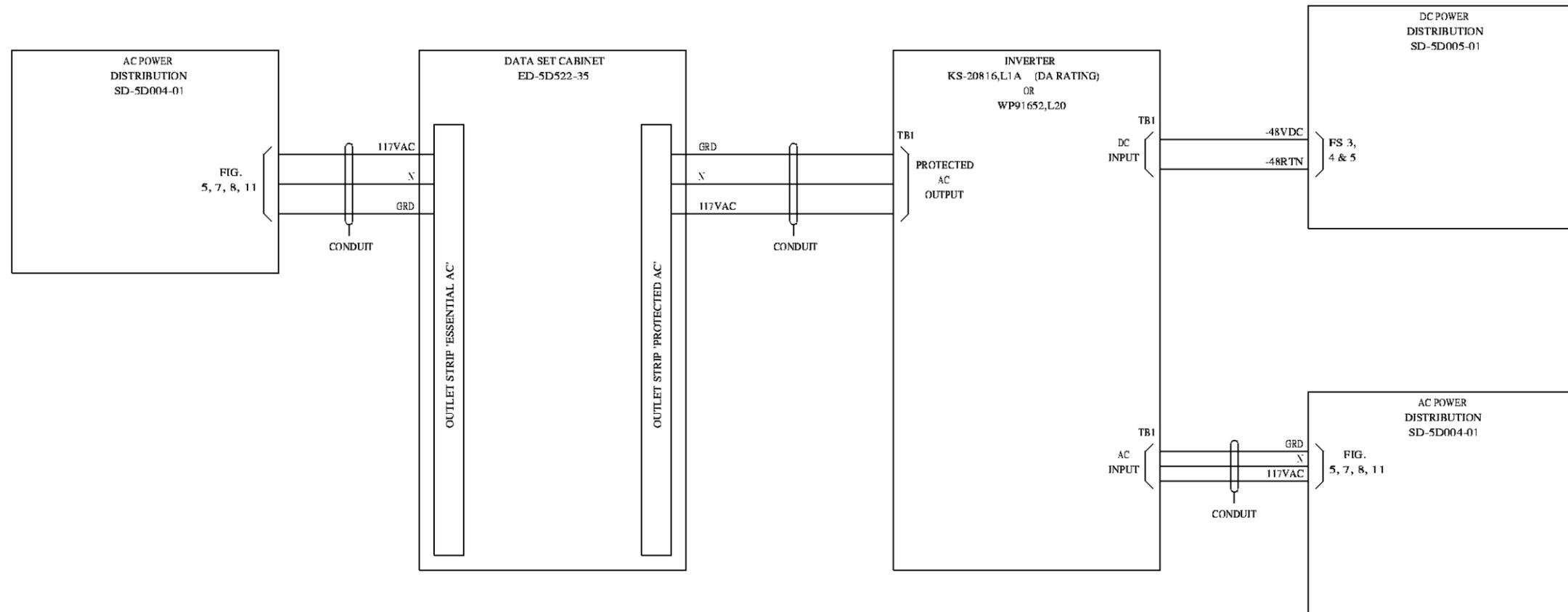
1. SPECIAL TERMINATING SCREENING SHOULD BE USED TO PERMIT ONLY LINES WITH A PARTICULAR LINE CLASS CODE TO ACCESS THIS LINE.
2. SEPERATE PORTS OF THE TN74B CIRCUIT PACK ARE USED FOR PRINTERS AND VIDEO DISPLAY TERMINALS. (SEE AS 11)
3. TO CONFIGURE THE 3810 MODEM FOR STLWS APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT "SYNC\_LEASED" FOR CHOOSE MODE SELECT: "Answer" (THE OTHER END MUST BE SET TO "Orig")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU: FOR ASYNC/SYNC MODE - SELECT: "Async" FOR ASYNC DTE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION. FOR ASYNC #DATA BITS - SELECT: "7" FOR ASYNC PARITY BIT - SELECT: "Even" FOR CTS CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LEASED LINE MENU: FOR LEASED LINE RATE - SELECT THE APPROPRIATE RATE BASED ON THE PORT SPEED AND APPLICATION. FOR LEASED TX LEVEL - SELECT: "-13"
  - g) SAVE THE SETTINGS.

Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS INTERFACE		DWG SIZE	ISSUE
		C2	16M
Lucent Technologies	SD-5D071-01	SHEET B26A	

# AS 22

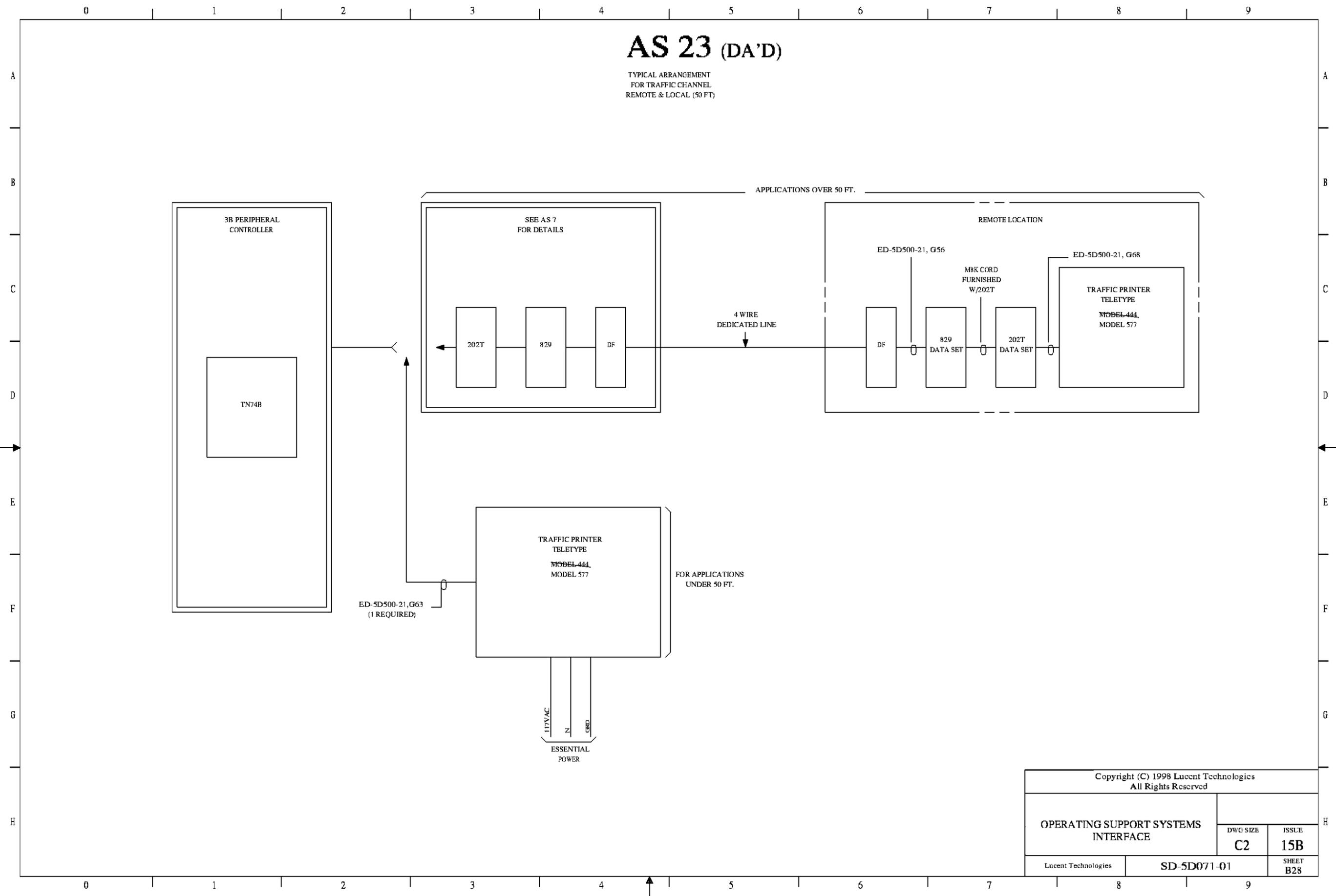
PROTECTED & ESSENTIAL  
POWER IN ONE CABINET  
(SEE NOTE 341 & 342)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	14M
Lucent Technologies	SD-5D071-01	SHEET B27

# AS 23 (DA'D)

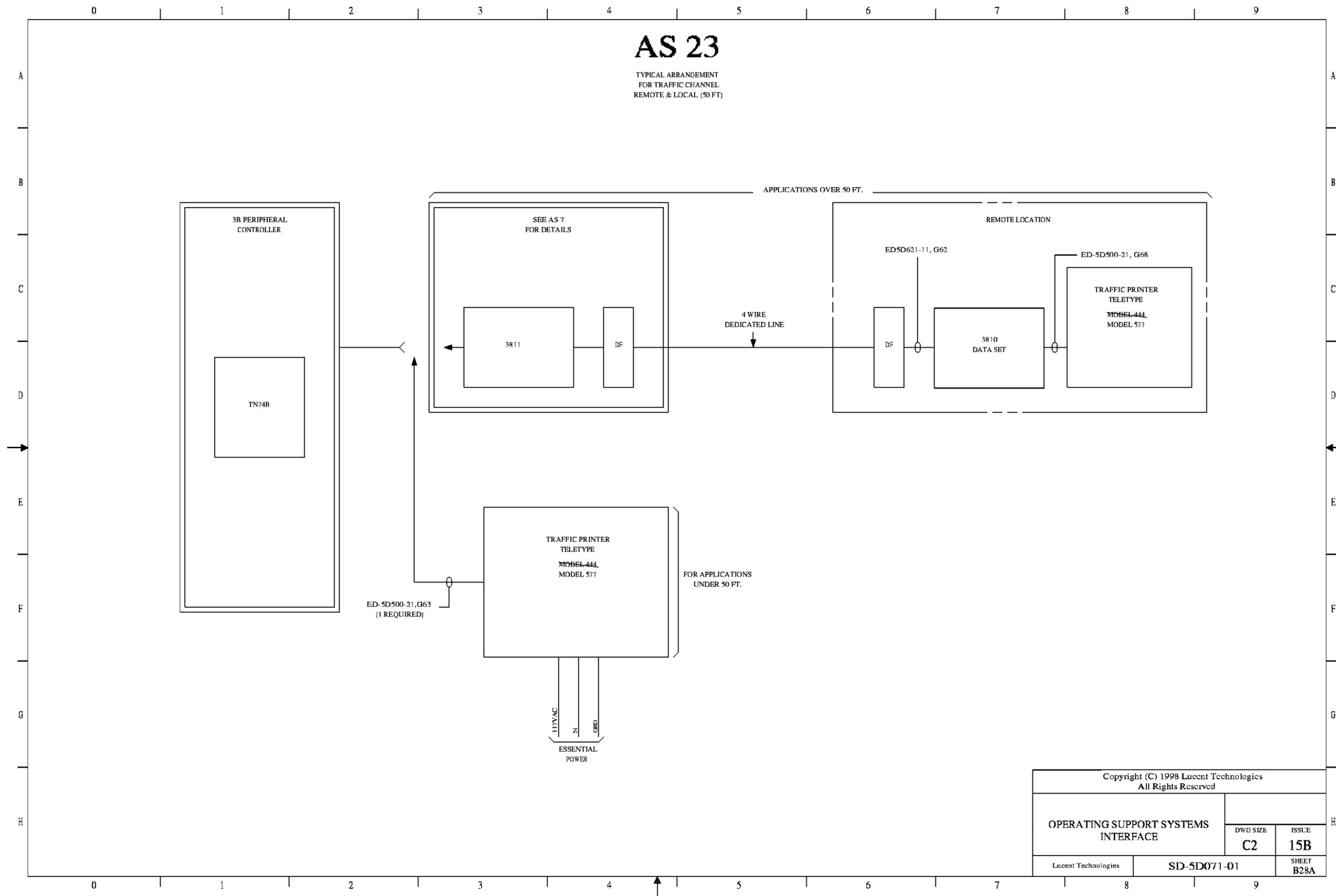
TYPICAL ARRANGEMENT  
FOR TRAFFIC CHANNEL  
REMOTE & LOCAL (50 FT)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B28

# AS 23

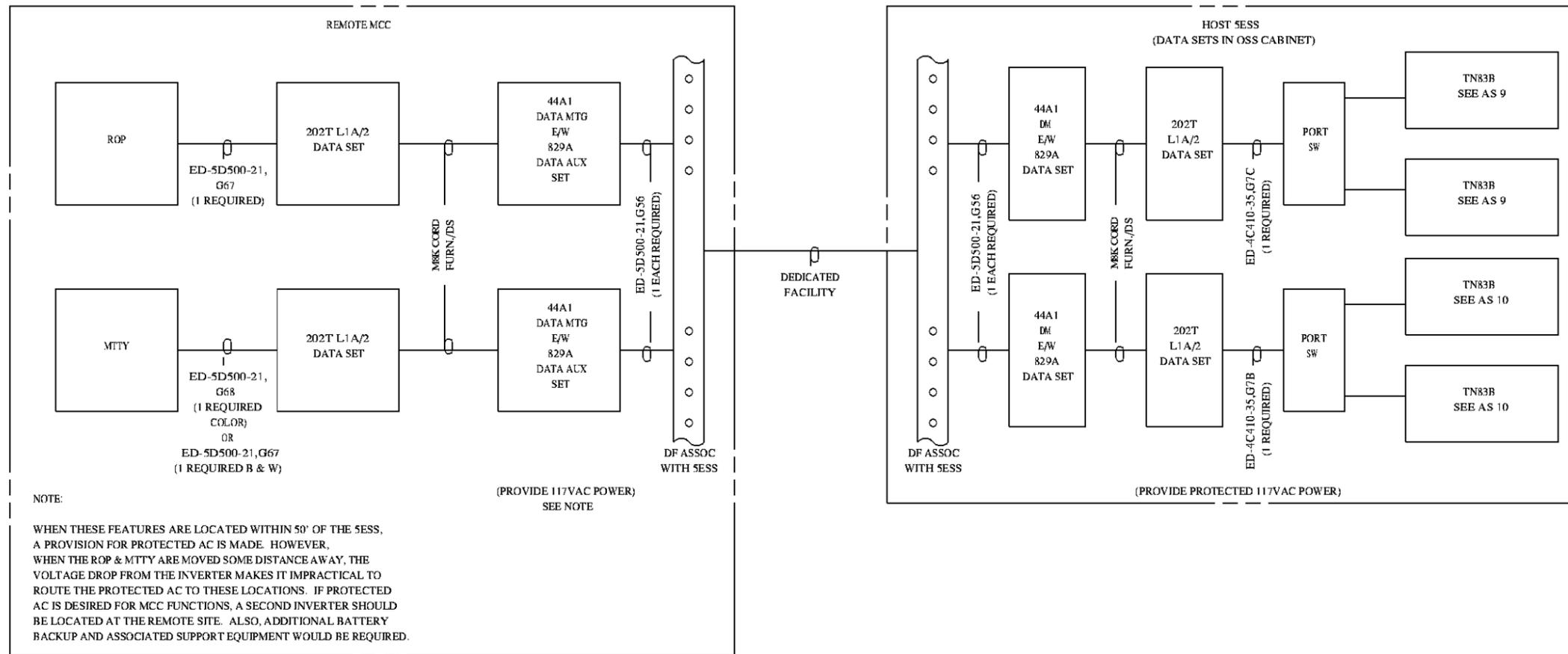
TYPICAL ARRANGEMENT  
FOR TRAFFIC CHANNEL  
REMOTE & LOCAL (50 FT)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B28A

# AS 24 (DA'D)

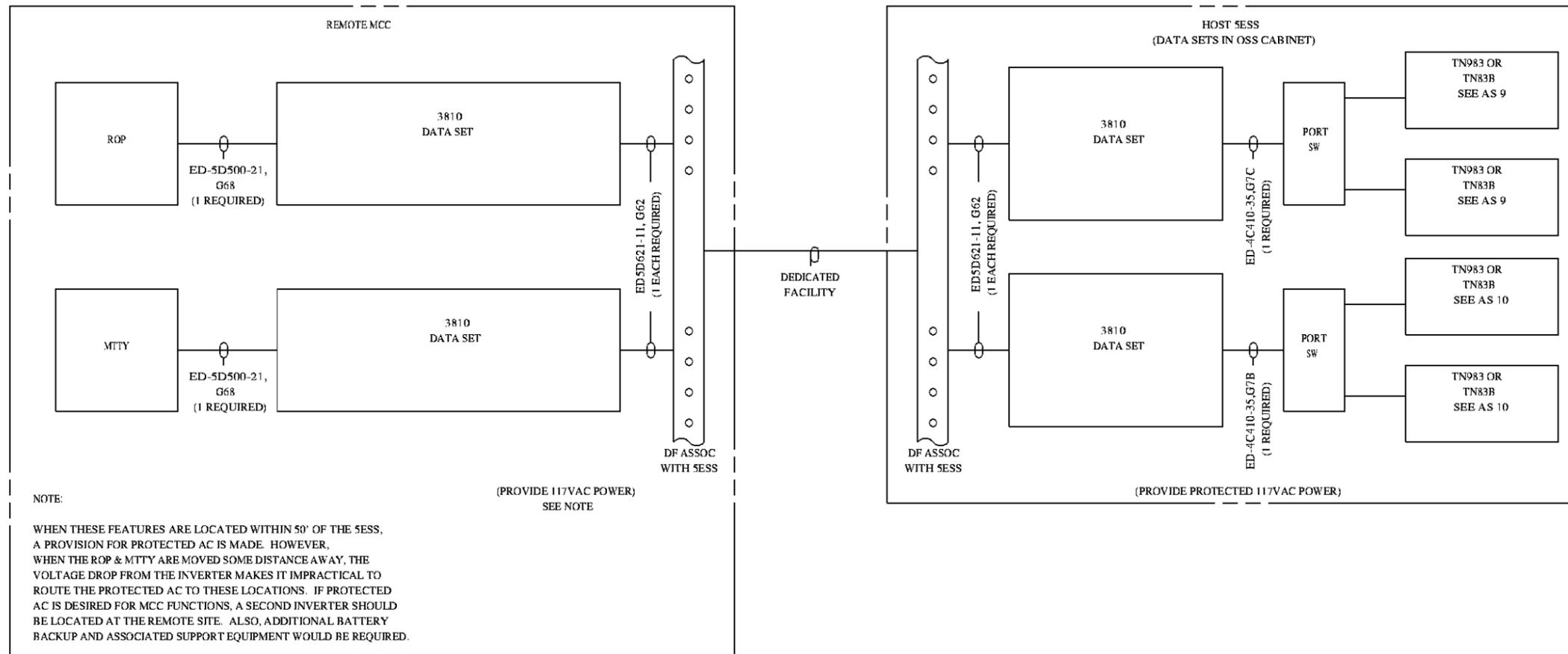
TYPICAL DATA SET ARRANGEMENT FOR  
THE MCC OVER 50 FEET  
(SEE NOTES 339 & 340)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B29

# AS 24

TYPICAL DATA SET ARRANGEMENT FOR  
THE MCC OVER 50 FEET  
(SEE NOTES 339, 340, 348)

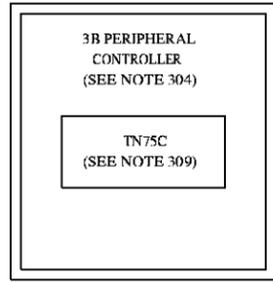


Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B29A

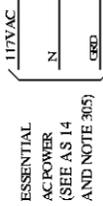
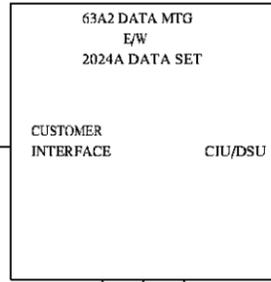
# P/O AS 25 (DA'D)

MLT2  
(DIAL BACK UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D PROCESSOR  
(SEE NOTE 306,307,332,337)

FOR APPLICATIONS USING THE 48FR1 DATA UNIT

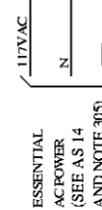
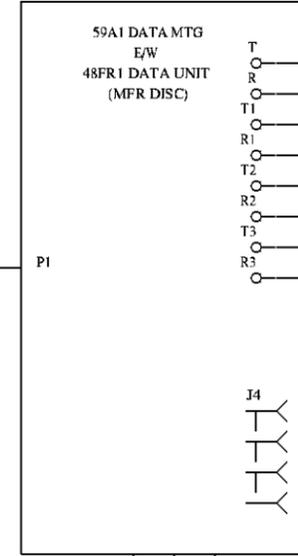


ED-5D500-21, G40  
(1 REQUIRED)  
(SEE NOTE 327)



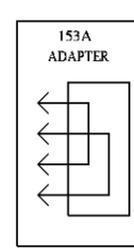
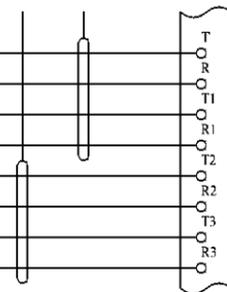
ESSENTIAL  
AC POWER  
(SEE AS 14  
AND NOTE 305)

B25A CABLE  
(1 REQUIRED)



ESSENTIAL  
AC POWER  
(SEE AS 14  
AND NOTE 305)

ED-5D500-21, G56A  
(1 REQUIRED)

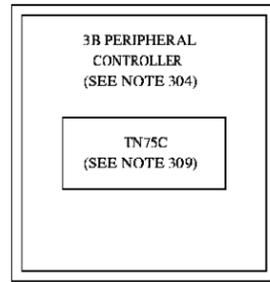


WITH  
HOTLINE  
FEATURE  
(SEE NOTE 343)

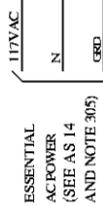
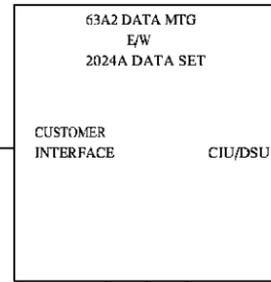
DEDICATED FOUR  
WIRE BACKUP  
SYSTEM

DISTRIBUTING FRAME  
ASSOCIATED  
WITH NO. 5ESS

FOR APPLICATIONS USING THE 839C DIAL BACKUP UNIT

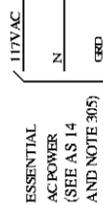
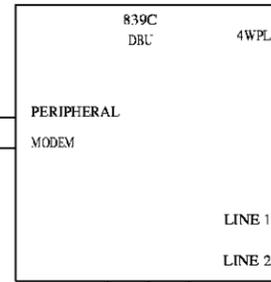


ED-5D500-21, G40  
(1 REQUIRED)  
(SEE NOTE 327)



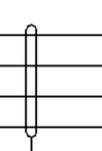
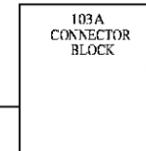
ESSENTIAL  
AC POWER  
(SEE AS 14  
AND NOTE 305)

NCA-3444-16  
(FURNISHED W/839C)



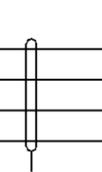
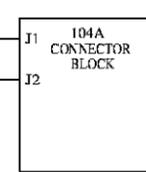
ESSENTIAL  
AC POWER  
(SEE AS 14  
AND NOTE 305)

D8W  
(1 REQUIRED)



X CONN  
AS  
REQUIRED

D4BC  
(1 REQUIRED)  
DO NOT USE ZD8AK



X CONN  
AS  
REQUIRED

DISTRIBUTING FRAME  
ASSOCIATED  
WITH NO. 5ESS

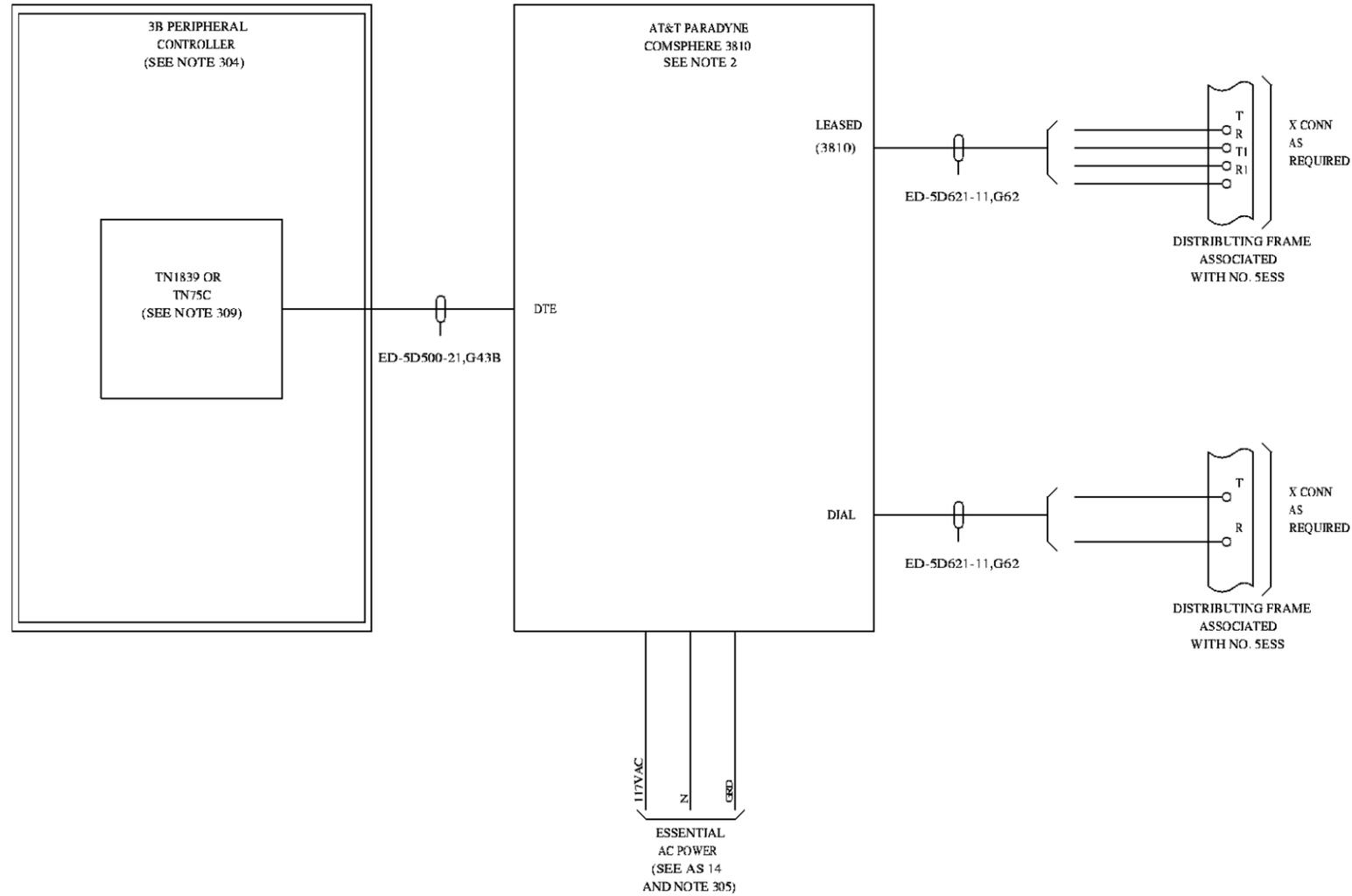
Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	11B
Lucent Technologies	SD-5D071-01	SHEET B30

# P/O AS 25

MLT-2  
(DIAL BACK-UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTES 307, 322, 324, 344, 346)

NOTES:

1. TO CONFIGURE THE 3810 MODEM FOR MLT-2 DIAL BACK-UP APPLICATIONS:
  - a) GO INTO THE "CONFIGURE" MODE
  - b) SELECT: "FACTORY"
  - c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE - SELECT "Answer"  
(THE OTHER END MUST BE SET TO "Orig")
  - d) SELECT: "EDIT"
  - e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS ACTION - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
  - f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT "Disable"
  - g) GO INTO THE DIAL LINE MENU:  
FOR DIAL LINE RATE - SELECT:  
(SAME RATE AS SELECTED FOR LEASED LINE RATE)
  - h) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE  
RATE BASED ON THE PORT SPEED AND APPLICATION.  
FOR AUTO DIAL BACK SELECT: "Enable"  
(ORIGINATING MODEM ONLY)  
FOR AUTO DIAL STANDBY - SELECT: "15 min"
  - i) SAVE THE NEW SETTINGS.
  - j) GO INTO THE "CALL SETUP" MODE  
THE ORIGINATING AND REMOTE MODEMS MUST SELECT  
THE MODEM TO DO THE DIALING
  - k) SELECT: "CHANGE DIRECTORY"
  - l) STORE PHONE NUMBER IN DIRECTORY LOCATION #1  
(ORIGINATING MODEM ONLY)
2. IF A 3811 MODEM IS USED A NETWORK INTERFACE  
MODULE MUST BE INSTALLED AS PART OF THE  
3000 SERIES CARRIER.  
(SEE NOTE 349)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B30A

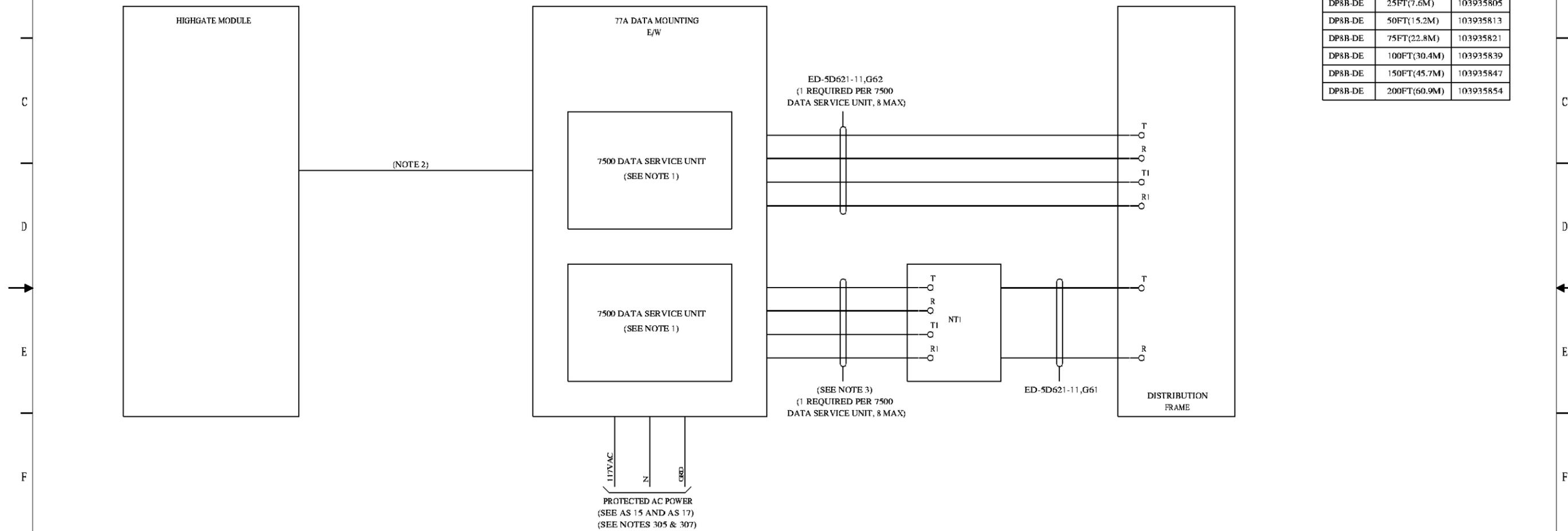
# AS 26

TYPICAL DATA SET ARRANGEMENT  
FOR INTERFACING TO THE HIGHGATE MODULE

NOTES:

1. A MAXIMUM OF EIGHT 7500A DATA SERVICE UNITS MAY BE EQUIPPED PER EACH 77A DATA MOUNTING.
2. ALL CABLING RUNNING BETWEEN THE HIGHGATE MODULE AND THE 7500A DATA SERVICE UNITS CAN BE FOUND IN ED-5P055-31.
3. CABLE INFORMATION (NT1 TO 7500 DATA SERVICE UNIT):

CODE NO.	LENGTH	COMCODE
DP8B-DE	10FT(3.0M)	103935797
DP8B-DE	25FT(7.6M)	103935805
DP8B-DE	50FT(15.2M)	103935813
DP8B-DE	75FT(22.8M)	103935821
DP8B-DE	100FT(30.4M)	103935839
DP8B-DE	150FT(45.7M)	103935847
DP8B-DE	200FT(60.9M)	103935854

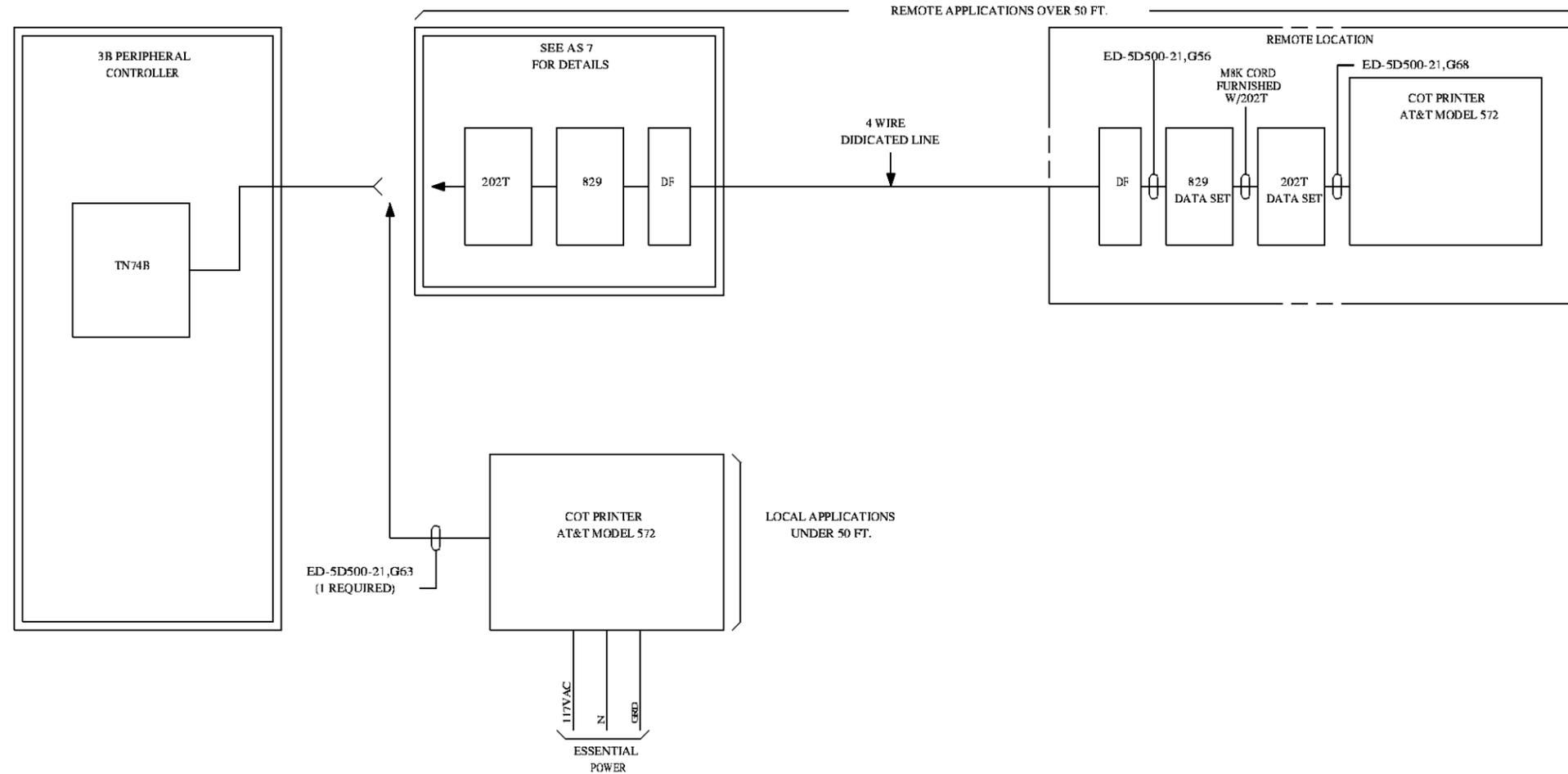


Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	6B
Lucent Technologies	SD-5D071-01	SHEET B31

# AS 27 (DA'D)

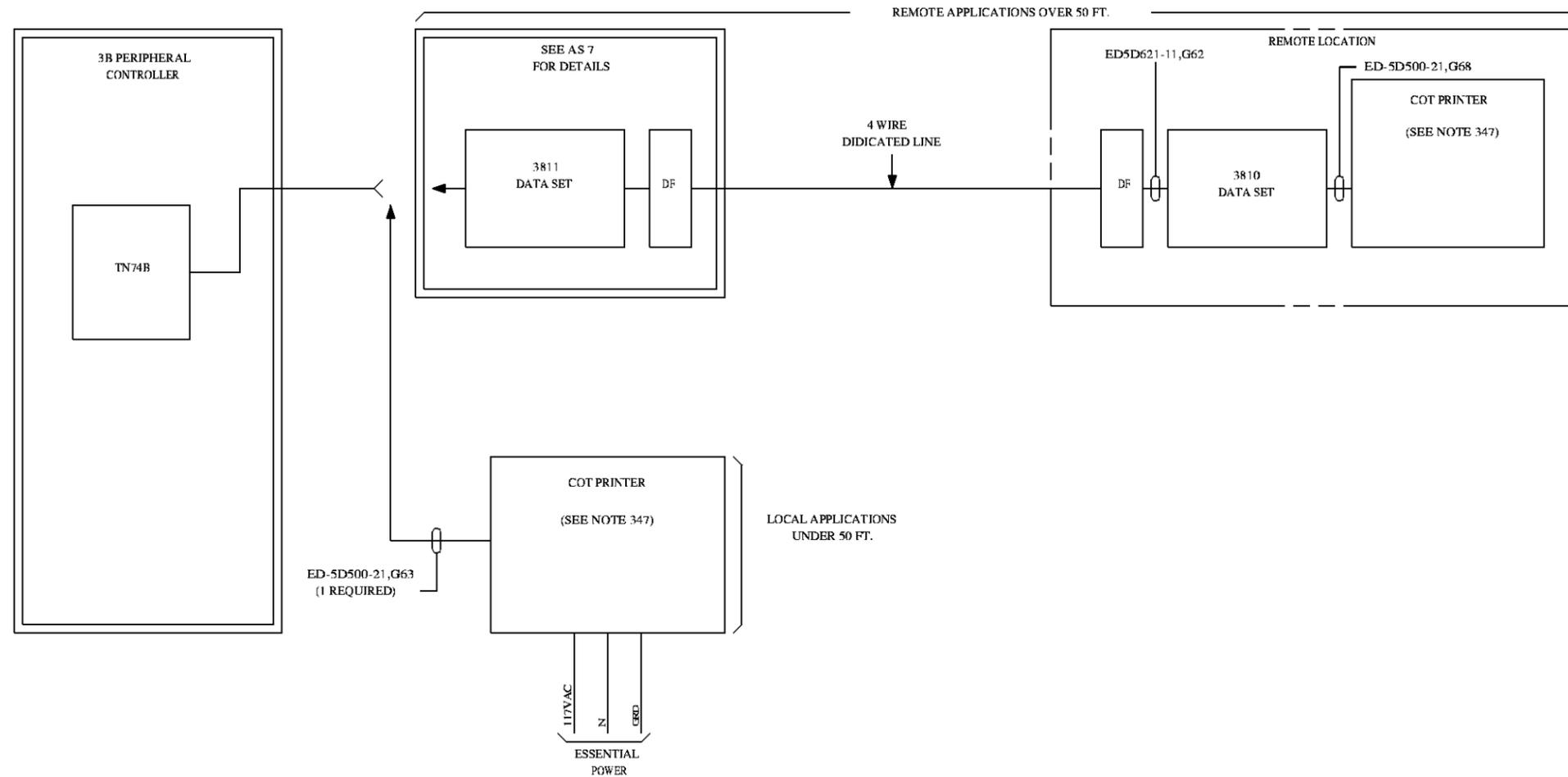
TYPICAL DATA SET ARRANGEMENT  
FOR COT  
(LOCAL AND REMOTE)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B32

# AS 27

TYPICAL DATA SET ARRANGEMENT  
FOR COT  
(LOCAL AND REMOTE)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	16M
Lucent Technologies	SD-5D071-01	SHEET B32A

# AS 28

BILLDATS  
(DIAL UP)  
TYPICAL DATA SET ARRANGEMENT FOR  
INTERFACING TO THE 3B20D OR 3B21D PROCESSOR  
(SEE NOTE 307,322,324,344,346)

NOTES:

1. TO CONFIGURE THE 3810 MODEM FOR BILLDATS  
2 WIRE (DIAL UP) APPLICATIONS:

- a) GO INTO THE "CONFIGURE" MODE
- b) SELECT: "FACTORY"
- c) SELECT: "ASYNC\_DIAL"
- d) SELECT: "EDIT"
- e) GO INTO THE DTE INTERFACE MENU:  
FOR ASYNC/SYNC MODE - SELECT: "SYNC"  
FOR DTR ACTION - SELECT: "Stdnd RS232"  
FOR DSR CONTROL - SELECT: "Stdnd RS232"  
FOR RTS ACTION - SELECT: "Stdnd RS232"  
FOR LSD CONTROL - SELECT: "Forced On"
- f) GO INTO THE DTE DIALER MENU:  
FOR DTE DIALER TYPE - SELECT: "Disable"
- g) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
- h) GO INTO THE DIAL LINE MENU:  
FOR DIAL LINE RATE - SELECT THE APPROPRIATE  
RATE BASED ON THE PORT SPEED AND APPLICATION.
- i) SAVE THE NEW SETTINGS.

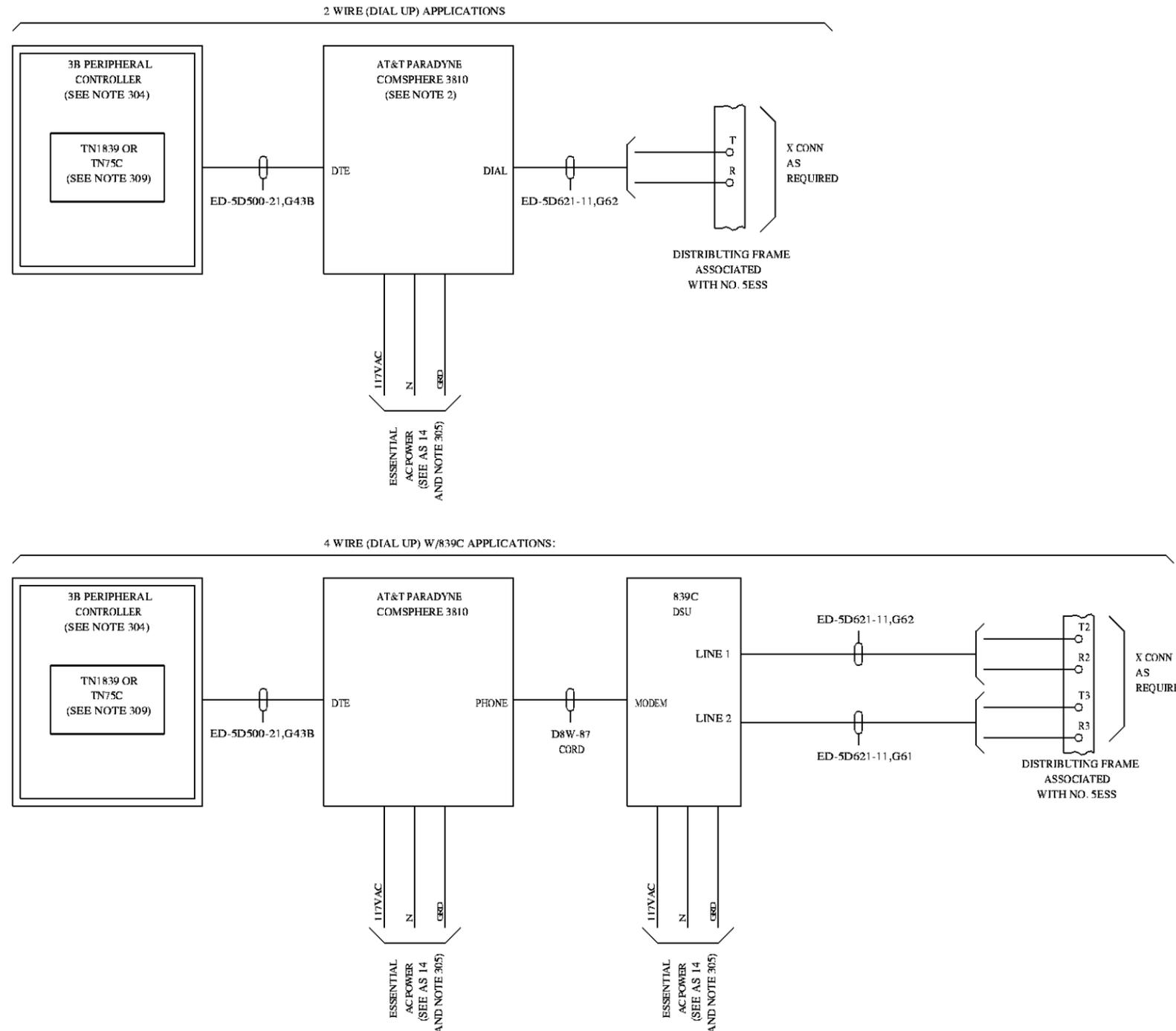
2. IF A 3811 MODEM IS USED A NETWORK INTERFACE  
MODULE MUST BE INSTALLED AS PART OF THE  
3000 CARRIER. (SEE NOTE 349)

3. TO CONFIGURE THE 3810 MODEM FOR BILLDATS  
4 WIRE (DIAL UP) W/839C APPLICATIONS:

- a) GO INTO THE "CONFIGURE" MODE
- b) SELECT: "FACTORY"
- c) SELECT: "SYNC\_LEASED"  
FOR CHOOSE MODE - SELECT: "Answer"  
(THE OTHER END MUST BE SET TO "Orig")
- d) SELECT: "EDIT"
- e) GO INTO THE DTE INTERFACE MENU:  
FOR CTS CONTROL - SELECT: "Forced On"  
FOR LSD CONTROL - SELECT: "Forced On"
- f) GO INTO THE LINE DIALER MENU:  
FOR NO DATA DISCONNECT - SELECT: "Disable"
- g) GO INTO THE LEASED LINE MENU:  
FOR LEASED LINE RATE - SELECT THE APPROPRIATE  
RATE BASED ON THE PORT SPEED AND APPLICATION.
- h) SAVE THE NEW SETTINGS.

4. TO CONFIGURE THE 839C DSU FOR BILLDATS USING  
AUTO ANSWER 1st CALL - ORIGINATE 2nd CALL:

- a) PHONE NUMBER MUST BE LOADED IN AT THE  
FACTORY IN ORDER TO ORIGINATE THE CALL
- b) SET SWITCHES ON THE BACK OF THE 839C UNIT TO:  
OFF, ON, ON, ON  
("ON" BEING UP TOWARDS THE NUMBERS)



Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET B33

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.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WRG	QUANTITY

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	
				AVAIL	DA

304. SD-5D014-02 IS THE CONTROLLING DOCUMENT FOR ALL 3B IOP PERIPHERAL CONTROL SLOT ASSIGNMENTS. INFORMATION SHOWN IN THIS DOCUMENT IS FOR REFERENCE ONLY.

305. POWER STRIPS ARE PROVIDED IN EACH DATA SET CABINET. IF POWER IS MIXED A LABEL MUST BE ATTACHED TO THE POWER STRIPS TO IDENTIFY THE TYPE OF POWER, ESSENTIAL OR PROTECTED. PROTECTED POWER IS OBTAINED FROM EITHER A KS-20816,L1A OR A WP-91652,L20A INVERTER LOCATED IN THE MISCELLANEOUS CABINET.

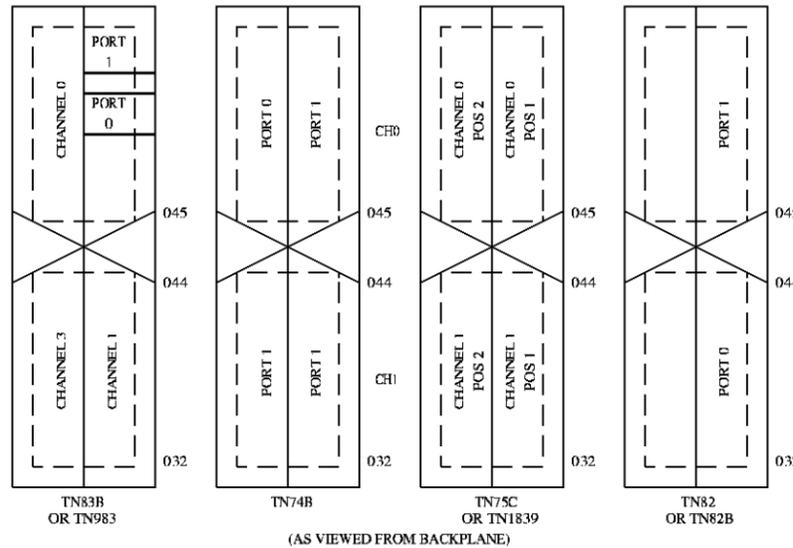
306. FOR THERMAL CONSIDERATIONS REFER TO BSP SECTION 590-010-201 SECTION 6, DATA SETS MULTIPLE INSTALLATION.

307. ED-5D522-35 PROVIDES INFORMATION FOR AN UNEQUIPPED SIX FOOT IN LINE NO. 5ESS DATA SET CABINET. EQUIPPING OF THIS CABINET IS DONE ON A JOB BASIS WITH POSITIONS OF DATA MOUNTINGS AND SLOTS WITHIN MULTIPLE DATA MOUNTINGS DONE BY THE APPROPRIATE EQUIPMENT ENGINEER. ED-5D522-35 PROVIDES THE NECESSARY LIST STRUCTURES FOR ORDERING.

308. AMATPS MAY OPERATE VIA A 4800 BPS DIAL UP LINK OR VIA A 9600 OR 56K BPS PRIVATE LINE. A 9600 BPS DIAL UP LINK MAY BE USED FOR AMATPS PROVIDED HIGH QUALITY DIRECT DISTANCE DIALING (DDD) LINES ARE USED. THIS DECISION IS MADE BY TELCO'S BASED ON AMA RECORDS VOLUME.

INFORMATION NOTES (CONT):

309. CHANNEL AND PORT DESIGNATION MAP AS VIEWED FROM THE BACKPLANE FOR TN74B, TN75C OR TN1839, TN83B OR TN983, AND TN82 OR TN82B. CIRCUIT PACKS.



310. KS BLOWER MAY BE POWERED BY EITHER ESSENTIAL OR PROTECTED AC DEPENDING ON WHICH CABINET IT IS USED ON.

311. BSP 598-082-200 FIGURE 21 SHOWS COMPLETE CONNECTION INFORMATION.

OSS FEATURE	GENERIC RELEASE
AMATPS (DU)	5E1(2)1
CTIC	5E1(2)2
AMARC (DPU) 2400 OR 4800	5E1(1)
NO. 2 SCCS AMARC 2400 OR 4800 AMATPS	5E1(2)1 5E1(1) 5E1(2)1
EADAS	5E1(1)1
RMAS	5E1(2)1
SES-2	5E1(2)1
MLT-2	5E2(2)
SCANS (DU)	5E1(1)
ALIT-RSB	5E1(1)
VFY RSB LTD	5E1(1)
TTY A&B	5E1(1)
RCV SCC NAC CTR	5E1(1)
CAROT	5E1(2)1
MLT-1	5E1(1)
MCC-ROP TTY	5E1(1)
STLWS 1-6	5E1(2)1
MOBILE CART	5E1(1)
RCV-LOCAL	5E1(1)
TMT	5E1(2)2
ORP	5E1(2)2
RSM	5E1(1)
STLWS(OVER 250 FT)	5E1(2)1
TRAFFIC CHAN	5E1(2)3

INFORMATION NOTES (CONT):

313. CABLE EQUIVALENTS FOR OSS INTERFACES

DESCRIPTION	CABLE CODE	
	ED-5D061-50, CABINET	ED-5D522-35, CABINET
DATA PHONE II TO TN83	ED-5D100-11, G21	ED-5D500-21, G38
DATA PHONE II TO TN75	ED-5D100-11, G23	ED-5D500-21, G40
212AR DATA SET TO TN75	ED-5D100-11, G25	ED-5D500-21, G43
202T DATA SET TO TN74	ED-5D100-11, G22	ED-5D500-21, G39
ROP TO TN83	ED-4C258-31, G16	ED-3T053-20, G7C, G7E, G7G
MTTY TO TN83	ED-4C258-31, G16	ED-4C410-35, G7B
RSM TO DISTRIBUTING FRAME		ED-5D500-21, G137
ORP TO TN74		ED-5D500-21, G63
KS-22921 L1 OR L3 TO 202T		ED-5D500-21, G68
VT100 TO 202T		ED-5D500-21, G67
ROP TO 202T		ED-5D500-21, G68
MOBILE CART	TEL	KS-21386 L1 ADAPT
	SP	KS-21387 LF ADAPT
	TTY	ED-5D061-30, G2
715 VDT TO TN74B		ED-5D500-21, G63
715 & 615 MT TO 572 PRINTER		AT&T 524161742
3800 SERIES MODEMS TO TN75C OR TN1839		ED-5D500-21, G43B
3800 SERIES MODEMS TO TN83B OR TN983		ED-5D500-21, G38
3800 SERIES MODEMS TO TN74B		ED-5D500-21, G43A (DIAL)
3510 OR 2556B DSU TO TN82 OR TN82B		ED-5D500-21, G72
715 VDT TO 3800 SERIES MODEM		ED-5D500-21, G68, G68A
3800 SERIES MODEM TO TN74B		ED-5D500-21, G39 (LEASED)
3000 CARRIER TO DIST. FRAME		A25R

314. THE 67A2, 64A3 AND 46A2 DATA MOUNTINGS WILL HOUSE UP TO EIGHT DATA SETS. THE 3000 CARRIER WILL HOUSE UP TO SIXTEEN DATA SETS. EQUIPPING OF THESE MOUNTINGS IS DONE ON A JOB BASIS.

315. THIS FUNCTION NOT USED IN THE 5E2 GENERIC AND THE IOP IS ASSIGNED TO MLT2 FOR GENERIC 5E2.2.

316. A 40B DATA MOUNTING HOUSES A MAXIMUM OF SIXTEEN DATA SETS (202T TYPE). CONNECTOR J1 CONNECTS TO DATA SETS 1 THRU 8 AND J2 CONNECTS TO DATA SETS 9 THRU 16.

317. THIS FIGURE SHOWS DATA SET ARRANGEMENTS. INFORMATION FOR MOUNTING CAN BE FOUND IN SD-5D114-01 (J5D002A) AND SD-5D101-01 (ED-5D039-35).

318. THIS FIGURE SHOWS DATA SET ARRANGEMENTS. INFORMATION FOR MOUNTING CAN BE FOUND IN SD-5D142-01 AND J5D002A-01.

319. FOR USE IN THE NO. 5ESS REFER TO SD-5D139-01.

320. REFER TO SD-5D139-01 FOR DETAILS OF JACK LOCATIONS.

321. MOBILE CART PROVIDES MULTIPLE 117VAC OUTLETS. THE CART IS PLUGGED INTO ANY ESSENTIAL POWER CONVENIENCE OUTLET.

322. MAXIMUM CABLE LENGTHS TO BE 50 FEET. CABLE LENGTHS TO DISTRIBUTING FRAME MAY BE UP TO 500 FEET.

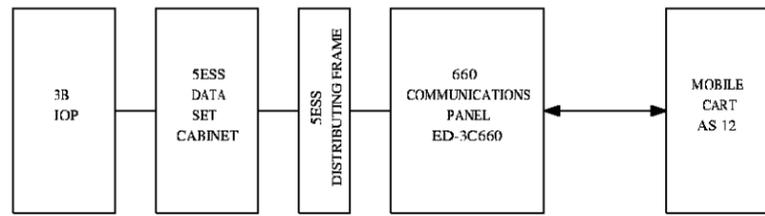
323. IN CASES WHERE AN INTERFACE IS A 25 PIN PLUG, THE 37 TO 25 PIN ADAPTER MUST BE USED. THIS ITEM IS ORDERED SEPARATE.

324. USE KS-20018 L9D SHELF FOR MOUNTING.

Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET D1

INFORMATION NOTES (CONT):

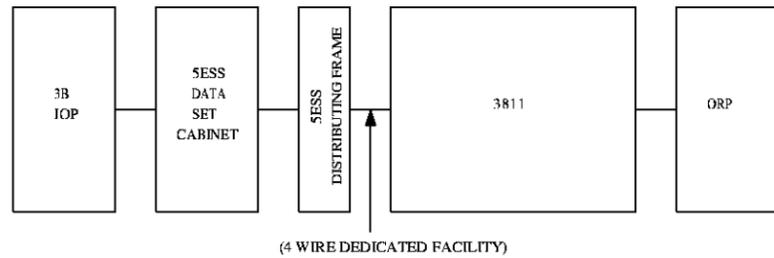
325. THE FOLLOWING FIGURE SHOWS THE TMT TTY ACCESS FOR MAINTENANCE:



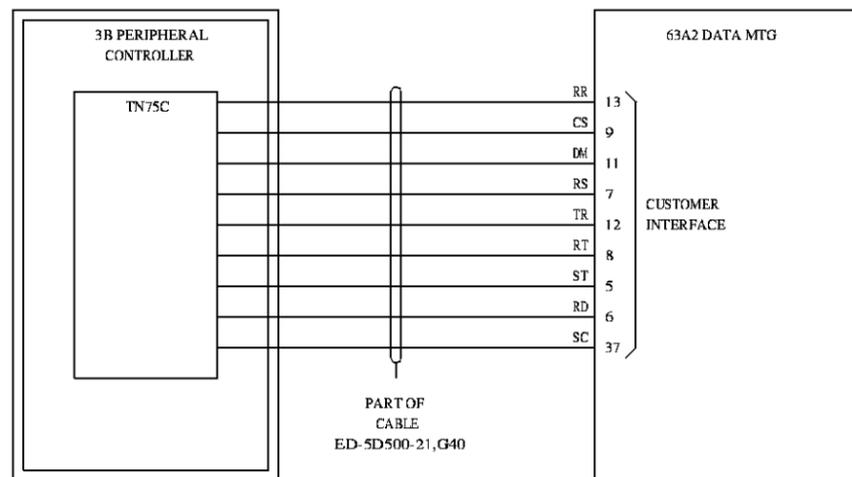
NOTE: IF ED-3C660 IS NOT USED, JACKS SHOULD BE MOUNTED IN OR NEAR DSX BAY.

A JACK ARRANGEMENT SIMILAR TO THE ED-6C100-1,E/W KS-21463, L1 AND KS-21001, L1 JACKS SHOULD BE USED.

326. USE DATA SET ARRANGEMENT (AS 7) WHEN THE OFFICE RECORD PRINTER (ORP) IS MORE THAN 50 FEET FROM THE IOP.

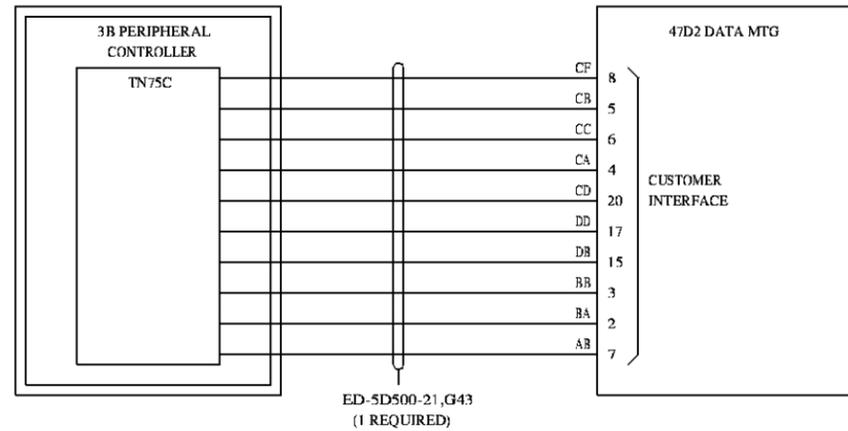


327. THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 63A2 DATA MTG.

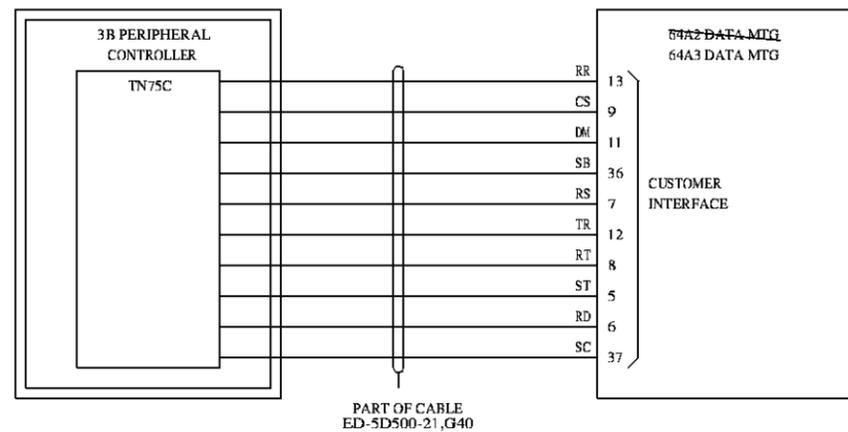
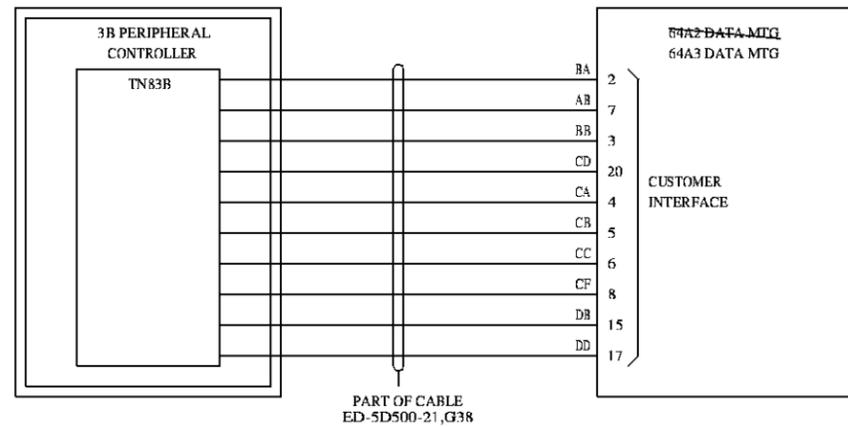


INFORMATION NOTES (CONT):

328. THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 47D2 DATA MTG.

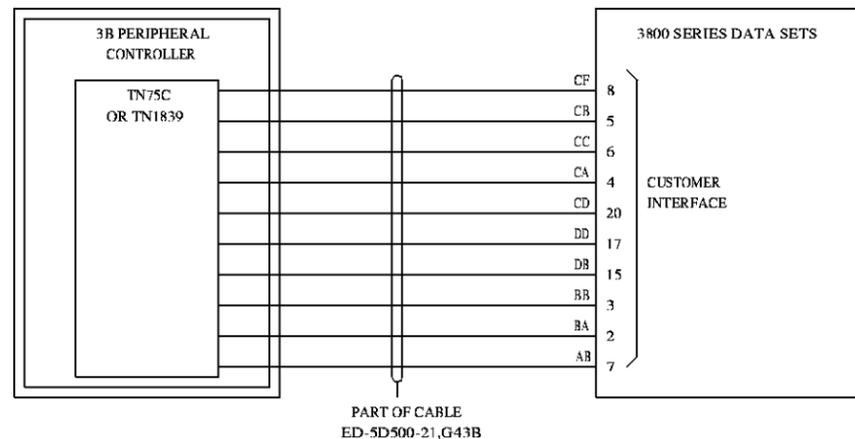


329. THE FOLLOWING FIGURES SHOW THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 64A2 64A3 DATA MTG.



INFORMATION NOTES (CONT):

329. (CONT): THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 3800 SERIES DATA SETS

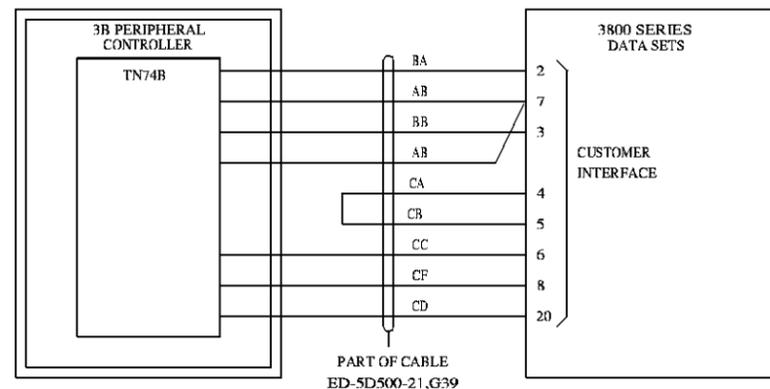


THE FOLLOWING CHART SHOWS THE EIA - 232D PIN ASSIGNMENTS FOR THE 3800 SERIES MODEMS

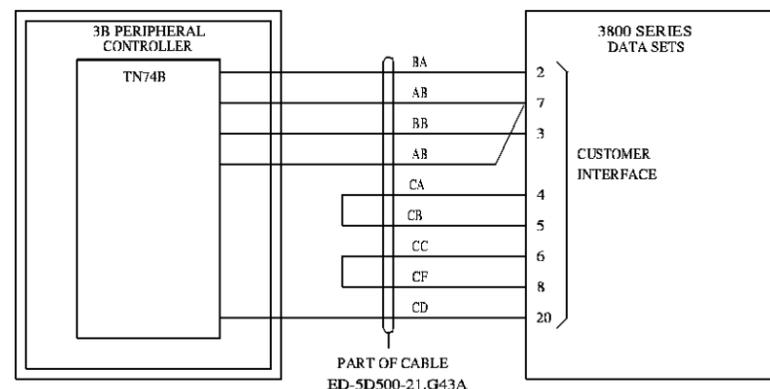
RS-232 PIN	NAME	EIA CIRCUIT	CCITT	SIGNAL SOURCE	CIRCUIT FUNCTION
1	-	AA	101	-	SHIELD
2	TXD	BA	103	DTE	TRANSMIT DATA
3	RXD	BB	104	DCE	RECEIVE DATA
4	RTS	CA	105	DTE	REQUEST-TO-SEND
5	CTS	CB	106	DCE	CLEAR-TO-SEND
6	DSR	CC	107	DCE	DATA SET READY
7	SG	AB	102	-	SIGNAL GROUND
8	LSD	CF	109	DCE	LINE SIGNAL DETECT
9	+10V	-	-	-	RESERVED FOR TEST PURPOSES (MAY BE USED TO DRIVE ONE RS232 LOAD)
10	-10V	-	-	-	RESERVED FOR TEST PURPOSES (MAY BE USED TO DRIVE ONE RS232 LOAD)
11	-	-	-	-	UNASSIGNED
12	CT112	CI	112	DCE	DATA SIGNAL RATE SELECT
13	-	-	-	-	RESERVED FOR FUTURE FUNCTION
14	-	-	-	-	RESERVED FOR FUTURE FUNCTION
15	TXC	DB	114	DCE	TRANSMIT CLOCK
16	-	-	-	-	RESERVED FOR FUTURE FUNCTION
17	RXC	DD	115	DCE	RECEIVE CLOCK
18	CT141	LL	141	DTE	LOCAL LOOPBACK
20	DTR	CD	108	DTE	DATA TERMINAL READY
21	CT140	RL	140	DTE	REMOTE LOOPBACK
22	R1	CE	125	DCE	RING INDICATOR
23	CT111	CH	111	DTE	DATA RATE SELECTOR
24	XTXC	DA	113	DTE	EXTERNAL CLOCK
25	TEST	TM	142	DCE	TEST MODE

INFORMATION NOTES (CONT):

329. (CONT): THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 3800 SERIES DATA SETS IN A LEASED LINE APPLICATION.

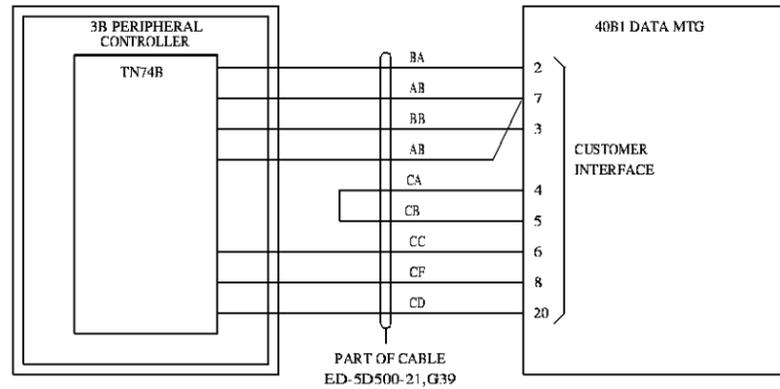


329. (CONT): THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 3800 SERIES DATA SETS IN A DIAL-UP APPLICATION.



INFORMATION NOTES (CONT):

330. THE FOLLOWING FIGURE SHOWS THE TYPICAL WIRING BETWEEN THE 3B PERIPHERAL CONTROLLER AND THE 40B1 DATA MTG.



331. THE IOP ASSIGNMENTS FOR STLWS OR REMOTE STLWS ARE THE SAME, HOWEVER, ONLY SIX ARE AVAILABLE IN ANY COMBINATION.

332. IN A PARTIALLY FILLED 64-TYPE DATA MOUNTING A STATIC DISCHARGE PROTECTION PLATE SHOULD BE INSERTED IN THE SLOT DIRECTLY TO THE RIGHT OF EVERY DATA SET THAT DOES NOT HAVE ANOTHER DATA SET TO ITS RIGHT.

333. THE STLWS OR REMOTE STLWS VIDEO DISPLAY MAY BE EITHER BLACK AND WHITE (2900 SERIES TERMINAL) OR COLOR (KS23996, L1 TERMINAL).

334. THE DISTRIBUTING FRAME USED FOR THE REMOTE STLWS MAY BE THE 5ESS OR ANOTHER IN AN OFFICE AS DETERMINED APPROPRIATE FOR WIRING NEEDS.

335. TWO 4-WIRE DEDICATED FACILITIES MUST BE USED. ANALOG OR DIGITAL FACILITIES MAY BE USED, HOWEVER, WHEN DIGITAL FACILITIES ARE USED, 3600 SERIES DSU'S WOULD BE REQUIRED.

336. ED-5D522-34 PROVIDES THE NECESSARY LIST STRUCTURES FOR ORDERING.

337. THE FOLLOWING IS A LIST OF OPTIONS USED ON DATA SETS AND RELATED OSS FUNCTION:

DATA SET	APPLICATION(S)	OPTIONS
48FR1	AMATPS,MLT2	E,N,A
839C	SCANS,AMARC(DBU)	ON,OFF,OFF,OFF
48FR1	SCANS,AMARC (DBU)	D,N,T
839C	AMATPS,MLT2,RCV	ON,ON,OFF,OFF
202T	ALL 202T APPLICATIONS	ZK,Y,Q,M,B F,ZM,ZO,ZF,Z
2024	AMARC (DBU)	A2,B1,C5,D1,D7
2024	ALL OTHER APPLICATIONS	A2,B1,C5,D1
2048	SCANS	A2,B1,C5,D1,D7
2048	ALL OTHER APPLICATIONS	A2,B1,C5,D1
2096	AMATPS DIAL-UP	A2,B1,C5,D1,D7
212AR	CTTC	YD,YH,YO,*
* REMAINING OPTIONS ARE FACTORY INSTALLED		

338. EACH REMOTE STLWS REQUIRES A DATA SET ARRANGEMENT AS SHOWN.

339. THE TEST ACCESS UNIT (TAU) MAY BE USED WITH A REMOTE STLWS OR MCC IF THE MAXIMUM DC LOOP FOR THE DC JACKS REMAINS UNDER 3000 OHMS. THIS RESISTANCE LIMIT INCLUDES THE TOTAL LOOP OF THE LINE OR TRUNK, FOR EXAMPLE A REMOTE STLWS COULD BE 200 FEET FROM THE IOP IN A MULTIFLOOR OFFICE AND STILL HAVE A TAU.

340. WHEN THE REMOTE STLWS OR MCC IS USED, THE 3B20D EQUIPMENT CONFIGURATION DATA BASE (ECD) MUST BE CHANGED ON SITE TO REFLECT 1200 BAUD OPERATION. THE REMOTE PRINTER AND REMOTE STLWS BOTH OPERATE AT 1200 BAUD.

INFORMATION NOTES (CONT):

341. CURRENT DRAIN FOR 5ESS EQUIPMENT AMPS =  $\frac{\text{WATTS}}{117V}$

INFORMATION SOURCE	EQUIPMENT		WATTS	AMPS
KS-22100, L1	KS-22100, L1 (BLOWER)		140	1.196
BSP-590-102-160	63A2 SINGLE (DATAPHONE II)	MFR DISC MTG ONLY	80	.683
BSP-590-102-160	64A2 MULT (DATAPHONE II)	(MFR DISC)	76	.65
BSP-590-010-201 PG.48	46A2 MULT (829 DS)		1.4	.011
BSP-590-010-201 PG.48	40B1 MULT (202T DS)		7	.059
TRANSFORMER'S (GENERAL)				
BSP-592-039-100 PG.3	212AR,L1A	MFR DISC WITH MTG	8	.068
BSP-590-010-201 PG.71	(DATAPHONE II)	2024A,L1	MFR DISC MULTIPLE STANDALONE	35 .299 50 .427
		2048A,L1	MFR DISC MULTIPLE ALONE	45 .384 60 .512
		2096A,L1	MFR DISC MULTIPLE ALONE	53 .452 65 .555
BSP-590-010-201 PG.48	202T,L1A		6 MAX.	.052
BSP-590-010-201 PG.9	829A,L1A		1.2	.01
839B USER'S MANUAL	839C	ALONE	8	.068
2224 CEO MODEM USERS MANUAL	2224 CEO MODEM		9	.076
615MT USER GUIDE CIC: 999-300-302IS	615MT	(MFR DISC)	60	.52
COLOR SCAN 2 DATA SHEET	KS-23554,L5 (VDT COLOR) KS-23554,L6 (VDT COLOR)		83.1	.74
TELETYPE USER GUIDE	MOD 5310/PRINTER 5320	(MFR DISC)	66	.55
OKIDATA SETUP GUIDE 320 PRINTER	320 TURBO PRINTER		120	.90
AT & T USER GUIDE	572 PRINTER	(MFR DISC)	120	1.026
	577 PRINTER		140	1.197
	444 LINE PRINTER		550	4.701
715MT USERS GUIDE	715MT		40	.342
3000 SERIES INSTALLATION MANUAL 3000-A2-GA31-20	3000 SERIES CARRIER	MAX. CAPACITY	175	1.496
COMSPHERE 3800 SERIES SD MODEM 3810-A2-GB91-20	3811 MODEM	MULTIPLE	4.25	.036
	3810 MODEM	STAND ALONE	5.25	.045
ISDN 7500B USER'S MODULE ADDENDUM ISSUE 1 PG 2 (1989)	77A DATA MTG. (MULTI. 7500 DSU)	MAX. CAPACITY	110	2.0 MAX.
2500 SERIES DSU'S USER'S MANUAL P & B	2556A LIA	ALONE	10	.085
KS23996 PRODUCT SPEC. ISSUE 1	KS23996,L1 (VDT COLOR)		260	2.2 MAX.

INFORMATION NOTES (CONT):

342. THIS ARRANGEMENT SHOULD ONLY BE USED IN 'SMALL OFFICE' APPLICATIONS AND CAUTION SHOULD BE USED NOT TO OVERLOAD THE 8 AMP MAX PROTECTED POWER.

343. THE HOT LINE FEATURE IS A SEIZED TELEPHONE LINE (PROVIDE BY 153A STRAPS) THAT IS SOFTWARE CONTROLLED WITH A PRESET DIRECTORY NUMBER (DN).

344. DATA SET STRAPS WHICH TIE SIGNAL GROUND TO EQUIPMENT OR CHASSIS GROUND SHALL BE REMOVED.

345. GROUNDING MUST BE IN ACCORDANCE WITH BSP 802-001-195 AND BSP 802-001-196.

346. ALL MODEMS IN POINT TO POINT LINKS MUST BE LINE SIGNAL COMPATIBLE. THE DATAPHONE II APL MODEMS (2024A, 2048A & 2096A AND THE 202T DATA SETS) ARE NOT LINE SIGNAL COMPATIBLE WITH THE AT&T PARADYNE 3800 SERIES MODEMS (3810, 3811, 3820, & 3830).

347. THE 572 PRINTER HAS BEEN "DA" AND REPLACED WITH AN 320 TURBO, OKIDATA. ED5D522-34 FOR ORDERING INFORMATION.

Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE		ISSUE <b>16M</b>
Lucent Technologies	SD-5D071-01	SHEET D3

INFORMATION NOTES (CONT):

347. THE FOLLOWING TABLES SHOW THE PIN ASSIGNMENTS FOR THE 3000 SERIES CARRIER

TABLE A-1  
DIGITAL OR ANALOG LEASED-LINE NETWORK INTERFACE

SLOT	PIN			
	RECEIVE CIRCUITS		TRANSMIT CIRCUITS	
	T	R	TI	RI
1 OR 9	26	1	27	2
2 OR 10	28	3	29	4
3 OR 11	30	5	31	6
4 OR 12	32	7	33	8
5 OR 13	34	9	35	10
6 OR 14	36	11	37	12
7 OR 15	38	13	39	14
8 OR 16	40	15	41	16

TABLE A-2  
RJ21X (PERMISSIVE) DIAL NETWORK INTERFACE MODULE

SLOT	PIN	
	T	R
1 OR 9	26	1
2 OR 10	27	2
3 OR 11	28	3
4 OR 12	29	4
5 OR 13	30	5
6 OR 14	31	6
7 OR 15	32	7
8 OR 16	33	8

347. (CONT)

THE FOLLOWING TABLE SHOWS THE PIN ASSIGNMENTS FOR THE 46A2 DATA MTG.

TABLE B

DAS 829 TYPE CIU INSERTED IN POSITION DESIGNATED (N)	PIN NUMBERS ON STANDARD 50 PIN CONNECTORS					
	DT(N)	DR(N)	DT1(N)	DR1(N)	TEK5(N)	TEK6(N)
1 OR 9	26	1	27	2	28	3
2 OR 10	29	4	30	5	31	6
3 OR 11	32	7	33	8	34	9
4 OR 12	35	10	36	11	37	12
5 OR 13	38	13	39	14	40	15
6 OR 14	41	16	42	17	43	18
7 OR 15	44	19	45	20	46	21
8 OR 16	47	22	48	23	49	24

348. TO PERFORM REMOTE LOOPBACK TESTING WITH THE 3800 SERIES MODEMS:

- a) GO INTO THE "CONFIGURE" MODE  
SELECT: "ACTIV"  
SELECT: "EDIT"
- b) GO INTO THE "V42/MNP/BUFFER" MODE  
SELECT: "DRECT MODE"  
PUSH THE DOUBLE ARROW KEY ONCE  
SELECT: "SAVESTRAPS"  
SELECT: "YES"  
SELECT: "ACTIVE"
- c) GO INTO THE TEST MENU  
SELECT: "TEST"  
SELECT: "REM\_DIGITAL\_LOOP"  
PUSH THE SINGLE UP ARROW KEY ONCE  
SELECT: "PATTERN"  
(THE BLOCK ERROR SCREEN WILL APPEAR)  
CHECK FOR ERRORS
- d) REFER TO THE USER'S MANUAL FOR ADDITIONAL INFORMATION.
- e) VF PARAMETERS CAN ALSO BE EXTRACTED UNDER THE MODEM'S "STATUS" MENU.

Copyright (C) 1998 Lucent Technologies All Rights Reserved		
OPERATING SUPPORT SYSTEMS INTERFACE	DWG SIZE	ISSUE
	C2	15B
Lucent Technologies	SD-5D071-01	SHEET D4

0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES (CONT):

349.



00

00

00



A

B

C

D

E

F

G

H

A

B

C

D

E

F

G

H

Copyright (C) 1998 Lucent Technologies  
All Rights Reserved

OPERATING SUPPORT SYSTEMS  
INTERFACE

DWG SIZE  
**C2**

ISSUE  
**15B**

Lucent Technologies

**SD-5D071-01**

SHEET  
D5

0 1 2 3 4 5 6 7 8 9