

ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH AT&T PRACTICES - NONE.
52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.
53. OFFICE RECORD PRINTER MODEL B6100150 IS USED FOR SINGAPORE APPLICATION ONLY.
54. GROUPS 6 AND 7 ARE MUTUALLY EXCLUSIVE.
55. SEE DATA SET CABINET (J5X099A-1) FOR ORDERING INFORMATION.
56. FOR ORDERING INFORMATION FOR THE ROUTE STATUS DISPLAY SYSTEM SEE NJ00524A1 AND J5X099A-1 FOR MODEM REQUIREMENTS.
57. GROUPS 18 AND 19 ARE MUTUALLY EXCLUSIVE.
58. IN TABLE A, DESCRIPTION FIELD, INFORMATION ENCLOSED IN < > IS FOR REPORT PURPOSES ONLY.
59. DOLLAR SIGNS (\$) IN FRONT OF AND BEHIND WORDS, SENTENCES, PARAGRAPHS, AND/OR CHARACTERS INDICATE HORIZONTALLY LINED OUT INFORMATION.
60. AT&T PARADYNE 3830 OR HAYES SMARTMODEM 2400 MAY BE USED IN PLACE OF THE AT&T 3820 MODEMS. AT&T PARADYNE 3820'S AND 3830'S MAY BE CONFIGURED REMOTELY USING THE CONTROL PANEL ON A AT&T PARADYNE MODEM. THE HAYES SMARTMODEM NEEDS A TERMINAL FOR INITIAL CONFIGURATION.
61. MAY BE OBTAINED FROM:  
 HAYES MICROCOMPUTER PRODUCTS, INC.  
 P.O. BOX 100229  
 ATLANTA, GA 30348  
 (404) 840-9200
62. MODEL NUMBERS FOR THE 220V VERSION OF THE 3820 OR 3830 MAY BE DIFFERENT FOR EACH COUNTRY, FOR CORRECT ORDERING INFORMATION FOR EACH COUNTRY CONTACT YOUR LOCAL AT&T PARADYNE REPRESENTATIVE.
63. WHEN USING AT&T PARADYNE 3820 OR 3830 MODEMS FOR PCDA AT 9600 BPS REMOVE THE STRAP BETWEEN 045 AND 145 ON THE CABLE.
64. PILOT SOFTWARE MAY BE OBTAINED FROM CUSTOMER INFORMATION CENTER (CIC) AT 317-322-6416

ISSUE NOTES (CONTINUED)

- DA'D GRP'S 8, 18, 23 AND 29A AND ADDED GRP'S 32 AND 33. LINED OUT ITEMS 1860 AND 3020 AND REPLACED THEM WITH ITEMS 1861 AND 3021.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-7 CHANGE CLASS: B  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 10/14/96 ISSUE: 11
- LINED OUT ITEMS 1740 AND 3510 AND ADDED 1741 AND 3511
- ORIG ISS: 02/01/91 CHANGE CLASS: ME  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 11/25/96 ISSUE: 12
- H8150 - REPLACED GRP'S 32 AND 33 WITH 32A AND 33A AND ADDED GRP'S KBL TO KB6.  
 CHTOW3- DA'D ALL GPI (500) TYPE GROUPS.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-8 CHANGE CLASS: B  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/14/97 ISSUE: 13
- H8618: PER POINT ISSUE 13.1, REMOVE THE "S" NOTE FROM ALL STOCKLIST ITEMS.  
 RERATED GROUPS 33A, A, B AND K FROM GA TO DA.  
 ADDED GRP 33A WITH ITEM 1886 (NEW) AND ITEM 1840.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-9 CHANGE CLASS: MF  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 08/11/99 ISSUE: 14

ISSUE NOTES

- ORIG ISS: 02/01/91 NDD NBR: NDD5X099NW-3 CHANGE CLASS:  
 DRAFT: TMR ENGR: TMR SUPV: CERTIFIED: 02/01/91 ISSUE: 1
- NOTE 59 ADDED; TABLE A GROUPS 6 & 7 DESCRIPTION COL COLORS LINED OUT, GROUP 11 REF TO PRINTER LINED OUT; MFG NOTE 14 ADDED, IN SL ITEMS 1205 & 1215 ADDED, ITEM 1410 LIST READ 11, 1500, 1540 & 1570 REMVD.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-2 CHANGE CLASS: ME  
 DRAFT: TMR ENGR: TMR SUPV: EJZ CERTIFIED: 10/18/91 ISSUE: 2
- GROUPS 21, 22, 23, 24, F & G ADDED, C, D & E RATING WAS STANDARD; SL ITEMS 1030, 1230, 1600 & 1585 THRU 1640 LINED OUT; SHEET B6, "FIG. 8" ADDED.
- ORIG ISS: 02/01/91 NDD NBR: NDD5S099NW-10 CHANGE CLASS: B  
 DRAFT: TMR ENGR: TMR SUPV: PK CERTIFIED: 07/02/93 ISSUE: 3
- H7158 - NOTES 60 THROUGH 63 ADDED, GROUPS 1, 2, 3 & 4 RATING WAS "STANDARD", GROUPS 25, 26, H, J & K ADDED.
- ORIG ISS: 02/01/91 CHANGE CLASS: B  
 DRAFT: TMR ENGR: OW SUPV: FNG CERTIFIED: 02/04/94 ISSUE: 4
- ADD INFORMATION FOR GRP 29 PC BASED TLWS, GRP 27 AND 28 FOR 110 & 220V 577 PRINTERS.
- ORIG ISS: 02/01/91 CHANGE CLASS: B  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 01/10/95 ISSUE: 5
- "DA'D" GRP'S 5,6,7,9,10,21 AND 25. ADDED GRP'S. 30 AND 31 CHG'D ITEMS 1360 & 1800. CHG'D ITEMS 1810, 1830 & 1835 TO "S".
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-4 CHANGE CLASS: B  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 02/17/95 ISSUE: 6
- ADDED 500 GRP'S FOR GPI DATE 2 AND ITEMS 3000 TO 3510
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-5 CHANGE CLASS: MF  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 03/24/95 ISSUE: 7
- DA'D GRP'S 11, 12, 13, 29 AND 30, AND REPLACED THEM WITH GRP'S 11A, 29A AND 30A. ADD "S" NOTE TO ITEMS 1680 & 1840.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-6 CHANGE CLASS: MF  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 09/22/95 ISSUE: 8
- UPDATE SHEET INDEX FOR B6, B7 AND B8.
- ORIG ISS: 02/01/91 NDD NBR: NDD5X235NW-6 CHANGE CLASS: MF  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 09/25/95 ISSUE: 9
- UPDATE SHEET INDEX FOR CIMANAGER
- ORIG ISS: 02/01/91 CHANGE CLASS: MF  
 DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 10/16/95 ISSUE: 10

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BT13

5ESS\* SWITCHING EQUIPMENT  
 SPECIFICATION FOR  
 PERIPHERAL AND PROCESSOR I/O CONNECTION  
 FOR OPERATING SUPPORT SYSTEM (OSS)  
 EXPORT  
 \* LUCENT TECHNOLOGIES TRADEMARK

DWG SIZE C2 ISSUE 14

LUCENT TECHNOLOGIES INC ED5X235-30 SHEET 14 OF 15

TABLE A-FEATURES											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED FOR ONE REMOTE ELECTRONIC STORAGE DEVICE (RES). BASIC SERVICE, DA EFF:02/04/94 FE/RA:NONE		DA	1	1	ED5X235-30	FIG. 1			SD5X215-02	AS10	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 FOR EXPORT APPLICATION. DA EFF:02/04/94 FE/RA:NONE		DA	2	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 FOR 110VAC, 60HZ APPLICATION. DA EFF:02/04/94 FE/RA:NONE		DA	3	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 FOR 220VAC, 50HZ APPLICATION. DA EFF:02/04/94 FE/RA:NONE		DA	4	1							
EQUIPMENT REQUIRED TO PROVIDE ONE SUPPLEMENTARY TRUNK LINE WORK STATION (STLWS), USING A MONOCHROME VIDEO TERMINAL. 220V, 50 HZ APPLICATION. DA EFF:02/17/95 FE:ED5X235-30,G30		DA	5	1	ED5X235-30	FIG. 2					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 5 TO REPLACE MONOCHROME \$GREEN\$ AMBER MONITORS. (SEE NOTE 54) DA EFF:02/17/95 FE:ED5X325-30,G30	54 59	DA	6	1	ED5X235-30	FIG. 2					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 5 TO REPLACE MONOCHROME \$AMBER\$ GREEN MONITORS. (SEE NOTE 54) DA EFF:02/17/95 FE:ED5X235-30,G30	54 59	DA	7	1	ED5X235-30	FIG. 2					
REQUIRED IN ADDITION TO GROUP 5 TO REPLACE 98 KEY KEYBOARD WITH A 103 KEY KEYBOARD. DA EFF:10/14/96 FE/RA:NONE		DA	8	1	ED5X235-30	FIG. 2					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 5 TO PROVIDE ONE SUPPLEMENTARY TRUNK LINE WORK STATION (STLWS), USING A COLOR VIDEO TERMINAL. 220V, 50HZ APPLICATIONS. DA EFF:02/17/95 FE:ED5X235-30,G31		DA	9	1	ED5X235-30	FIG. 3					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 9 TO REPLACE THE COLOR MONITOR. DA EFF:02/17/95 FE:ED5X235-30,G31		DA	10	1	ED5X235-30	FIG. 3					
EQUIPMENT REQUIRED FOR ONE RECENT CHANGE/VERIFY LOCAL ARRANGEMENT (RC/V) TO PROVIDE ONE VIDEO TERMINAL \$AND ONE PRINTER\$. DA EFF:09/22/95 FE:ED5X235-30,G11A	59	DA	11	1	ED5X235-30	FIG. 4					
EQUIPMENT REQUIRED FOR ONE RECENT CHANGE/VERIFY LOCAL ARRANGEMENT (RC/V) TO PROVIDE ONE VIDEO TERMINAL 220V 50HZ REPL:ED5X235-30,G11			11A	1	ED5X235-30	FIG. 4					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 11 TO REPLACE MONOCHROME MONITORS. DA EFF:09/22/95 FE:ED5X235-30,G11A		DA	12	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 11 TO REPLACE KEYBOARD. DA EFF:09/22/95 FE:ED5X235-30,G11A		DA	13	1							

TABLE-A CONTINUED

ED5X235-30

TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED FOR ONE RECENT CHANGE VERIFY MODULE, TYPICAL MODEM ARRANGEMENT FOR INTERFACING TO THE 3B2D PROCESSOR. (SEE NOTE 55)				14	1	ED5D235-30	FIG. 5				
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 5,9 OR 11 TO PROVIDE ONE 5310 PRINTER.		DA	15	1	ED5D235-30	FIG. 2,3,4					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 5,9 OR 11 TO PROVIDE ONE 572 PRINTER 220V, 50HZ.				16	1	ED5X235-30	FIG. 2,3,4				
EQUIPMENT REQUIRED FOR ONE OFFICE RECORD PRINTER ARRANGEMENT (ORP) LOCATED WITHIN 50 FEET OF THE 3B2D PROCESSOR.		DA	17	1	ED5X235-30	FIG. 7					
EQUIPMENT REQUIRED FOR ONE OFFICE RECORD PRINTER ARRANGEMENT (ORP) LOCATED WITHIN 50 FEET OF THE 3B2D PROCESSOR. PROVIDES ONE 444 ACOUSTIC TRIPLE INTERFACE PRINTER. (SEE NOTE 57). DA EFF:10/15/96 FE/RA:NONE		DA	18	1	ED5X235-30	FIG. 7					
EQUIPMENT REQUIRED FOR ONE OFFICE RECORD PRINTER ARRANGEMENT (ORP) LOCATED WITHIN 50 FEET OF THE 3B2D PROCESSOR. PROVIDES ONE 444 ACOUSTIC TRIPLE INTERFACE PRINTER WITH TOP PAPER EXIT. (SEE NOTE 57).				19	1	ED5X235-30	FIG. 7				
EQUIPMENT REQUIRED TO PROVIDE ONE ROUTE STATUS DISPLAY SYSTEM (RES). (SEE NOTE 56).				20	1	ED5X235-30	FIG. 6				
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVICE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE, 110V, 60HZ APPLICATION. DA EFF:02/17/95 FE:ED5X235-30,G25		DA	21								
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVICE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE, 220V, 50HZ APPLICATION. DA EFF:02/17/95 FE:ED5X235-30,G26		DA	22	1	ED5X235-30	FIG. 8					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 21 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVICE (PDCA) PRINTER FOR CUSTOMER PREMISE, 110V, 60HZ APPLICATION. DA EFF:10/14/96 FE/RA:NONE		DA	23	1	ED5X235-30	FIG. 8					

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 22 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PDCA) PRINTER FOR CUSTOMER PREMISE, 220V, 50HZ APPLICATION. DA EFF:02/17/95 FE:ED5X235-30,G27		DA	24	1	ED5X235-30	FIG. 8						
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE. 110V 60HZ APPLICATION. REPL:NONE	60 62 63		25	1	ED5X235-30	FIG. 9						
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE. 220V 50HZ APPLICATION. REPL:NONE	60 62 63		26	1	ED5X235-30	FIG. 9						
EQUIPMENT REQUIRED TO PROVIDE ONE 220V 50HZ MEDIUM DUTY PRINTER			27									
EQUIPMENT REQUIRED TO PROVIDE ONE 110V 60HZ MEDIUM DUTY PRINTER			28									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 486SX33 PC. DA EFF:09/22/95 FE:ED5X235-30,G29A		DA	29									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 486DX2/66. REPL:ED5X235-30,G29 DA EFF:10/14/96 FE:ED5X235-30,G32		DA	29A									
EQUIPMENT FOR ONE SUPPLEMENTARY TRUNK LINE WORK STATION TERMINAL 220V 50HZ. APPLICATION USING AN AMBER TERMINAL DA EFF:09/22/95 FE:ED5X235-30,G30A		DA	30		ED5X235-30	FIG 2						
EQUIPMENT FOR ONE SUPPLEMENTARY TRUNK LINE WORK STATION TERMINAL 220V 50HZ. APPLICATION USING A WHITE TERMINAL REPL:ED5X235-30,30			30A		ED5X235-30	FIG 2						
EQUIPMENT REQUIRED TO PROVIDE 1 SUPPLEMENTARY TRUNK LINE WORK STATION (STLWS), USING A COLOR VIDEO TERMINAL. 220V, 50HZ APPLICATIONS.			31	1	ED5X235-30	FIG. 3						
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 100MHZ. PENTIUM. PROCESSOR E/W A 15" MONITOR REPL:ED5X235-30,G29A DA EFF:05/23/97 FE:ED5X235-30,G32A		DA	32									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 166MHZ. PENTIUM. PROCESSOR E/W A 17" MONITOR LESS KEYBOARD. REPL:ED5X235-30,G32			32A									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 100MHZ. PENTIUM. PROCESSOR E/W A 17" MONITOR REPL:ED5X235-30,G29A DA EFF:05/23/97 FE:ED5X235-30,G33A		DA	33									

TABLE-A CONTINUED

ED5X235-30

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 166MHZ. PENTIUM. PROCESSOR E/W A 17" MONITOR E/W ENGLISH PC KEYBOARD. REPL:ED5X235-30,G33A DA EFF:06/30/99 FE:ED5X235-30,G33B		DA	33A									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 400MHZ. PENTIUM II PROCESSOR E/W A 17" MONITOR E/W ENGLISH PC KEYBOARD. REPL:ED5X235-30,G33A			33B									
EQUIPMENT REQUIRED TO PROVIDE A BASIC TRUNK LINE WORK STATION USING A 486SX33 PC. DA EFF:05/16/97 FE/RA:NONE		DA	500									
EQUIPMENT FOR ONE SUPPLEMENTARY TRUNK LINE WORK STATION TERMINAL 220V 50HZ. APPLICATION USING AN AMBER TERMINAL DA EFF:05/16/97 FE/RA:NONE		DA	504		ED5X235-30	FIG 2						
EQUIPMENT FOR ONE SUPPLEMENTARY TRUNK LINE WORK STATION TERMINAL 220V 50HZ. APPLICATION USING A COLOR VIDEO TERMINAL DA EFF:05/16/97 FE/RA:NONE		DA	506	1	ED5X235-30	FIG 3						
EQUIPMENT REQUIRED TO PROVIDE ONE 220V 50HZ MEDIUM DUTY PRINTER DA EFF:05/16/97 FE/RA:NONE		DA	510									
EQUIPMENT REQUIRED TO PROVIDE ONE 110V 60HZ MEDIUM DUTY PRINTER DA EFF:05/16/97 FE/RA:NONE		DA	512									
EQUIPMENT REQUIRED TO PROVIDE ONE 572 PRINTER 220V, 50HZ. LIGHT TO MEDIUM DUTY DA EFF:05/16/97 FE/RA:NONE		DA	514	1	ED5X235-30	FIG. 4						
EQUIPMENT REQUIRED FOR PRINTOUT CHARGE AND DURATION ADVISE (PDCA) PRINTER FOR CUSTOMER PREMISE, 110V, 60HZ APPLICATION. DA EFF:05/16/97 FE/RA:NONE		DA	516	1	ED5X235-30	FIG. 4						
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE. 110V 60HZ APPLICATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	60 62 63	DA	520	1	ED5X235-30	FIG. 9						

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TABLE A-FEATURES (CONTINUED)												
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DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE. 220V 50HZ APPLICATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	60 62 63	DA	522	1	ED5X235-30	FIG. 9						
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUP 520 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 110V 60HZ APPLICATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	60 62 63	DA	524	1	ED5X235-30	FIG. 9						
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUP 522 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 220V 50HZ APPLICATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	60 62 63	DA	526	1	ED5X235-30	FIG. 9						
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUPS 524 OR 526 FOR PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 110V 60HZ APPLICATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	60 61	DA	528	1	ED5X235-30	FIG. 9						
POWER CABLE REQUIRED FOR PRINTER APPLICATIONS FOR THE UK, 10A/240V, 50HZ. PLUG CONTAINS BS1362 13A FUSE. DA EFF:05/16/97 FE/RA:NONE		DA	550									
POWER CABLE REQUIRED FOR PRINTER APPLICATIONS FOR CONTINENTAL EUROPE, 10A/220V-230V, 50HZ. DA EFF:05/16/97 FE/RA:NONE		DA	552									
REQUIRED IN ADDITION TO GROUP 4 TO PROVIDE A GREEN MONITOR. DA EFF:06/30/99 FE/RA:NONE		DA	A	1								
REQUIRED IN ADDITION TO GROUP 4 TO PROVIDE A 101 KEY KEYBOARD. DA EFF:06/30/99 FE/RA:NONE		DA	B	1								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 5, 9 OR 11 TO PROVIDE ONE 250 FOOT (76,200 MM) LONG CABLE. DA EFF:07/02/93 FE/RA:NONE		DA	C	1								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 15 OR 16 TO PROVIDE ONE 250 FOOT (76,200 MM) LONG CABLE DA EFF:07/02/93 FE/RA:NONE		DA	D	1								
REQUIRED IN ADDITION TO GROUP 20 TO PROVIDE A 250 FOOT (76,200 MM) CABLE. DA EFF:07/02/93 FE/RA:NONE		DA	E	1								
POWER CABLE REQUIRED FOR PRINTER APPLICATIONS FOR THE UK, 10A/240V, 50HZ. PLUG CONTAINS BS1362 13A FUSE.			F									

TABLE-A CONTINUED

ED5X235-30

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
POWER CABLE REQUIRED FOR PRINTER APPLICATIONS FOR CONTINENTAL EUROPE, 10A/220V-230V, 50HZ.			G									
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUP 25 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 110V 60HZ APPLICATION. REPL:NONE	60 62 63		H	1	ED5X235-30	FIG. 9						
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUP 26 TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 220V 50HZ APPLICATION. REPL:NONE	60 62 63		J	1	ED5X235-30	FIG. 9						
OPTIONAL EQUIPMENT THAT MAY BE USED IN PLACE OF GROUP H TO PROVIDE PRINTOUT CHARGE AND DURATION ADVISE (PCDA) FOR STAND-ALONE MODEM REQUIRED FOR OFFICE OR CUSTOMER PREMISE 110V 60HZ APPLICATION. REPL:NONE DA EFF:06/30/99 FE/RA:NONE	60 61	DA	K	1	ED5X235-30	FIG. 9						
KEYBOARD REQUIRED IN ADDITION TO GROUP 32A TO PROVIDE A ENGLISH KEYBOARD 102 KEYS FOR THE UK. REPL:NONE			NRTO									
KEYBOARD REQUIRED IN ADDITION TO GROUP 32A, TO PROVIDE A SPANISH KEYBOARD 102 KEYS. REPL:NONE			NRTO									
KEYBOARD REQUIRED IN ADDITION TO GROUP 32A, TO PROVIDE A CHINESE CHARACTER KEYBOARD, 101 KEYS. REPL:NONE			NRTO									
KEYBOARD REQUIRED IN ADDITION TO GROUP 32A, TO PROVIDE A PORTUGUESE KEYBOARD. 102 KEYS. REPL:NONE			NRTO									
KEYBOARD REQUIRED IN ADDITION TO GROUP 32A, TO PROVIDE AN ARABIC KEYBOARD. 101 KEYS. REPL:NONE			NRTO									

END OF TABLE-A

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FIG. 2  
 SUPPLEMENTARY TRUNK LINE WORK STATION  
 STLWS-0  
 TYPICAL ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR

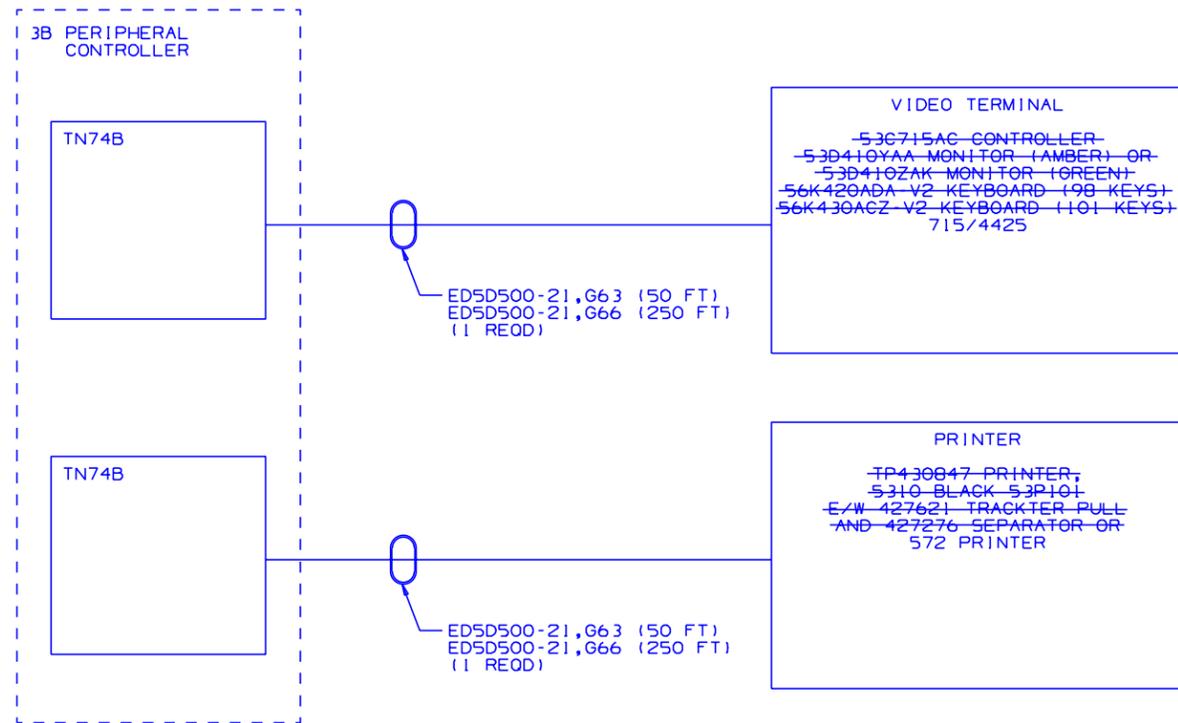


FIG. 3  
 SUPPLEMENTARY TRUNK LINE WORK STATION  
 STLWS-1  
 TYPICAL ARRANGEMENT FOR  
 INTERFACING TO THE 3B20D PROCESSOR  
 COLOR TERMINAL

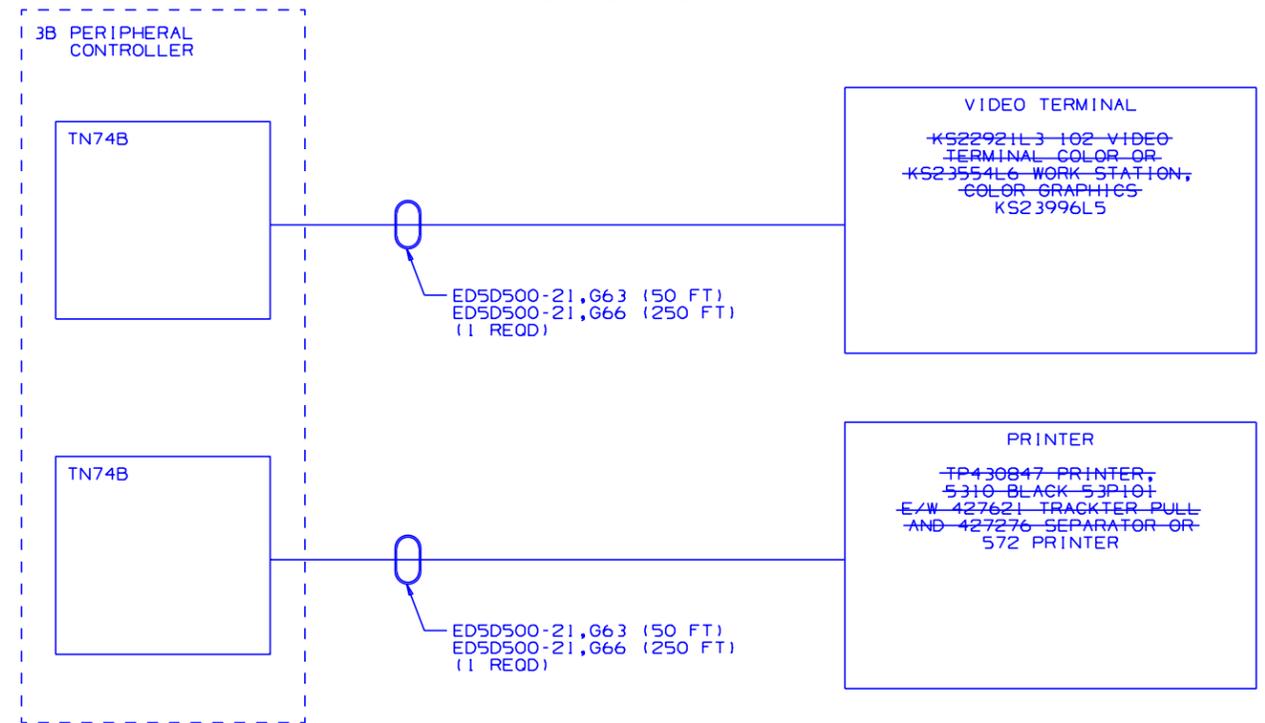


FIG. 4  
RCV LOCAL  
TYPICAL ARRANGEMENT FOR  
INTERFACING TO THE 3B2 D PROCESSOR

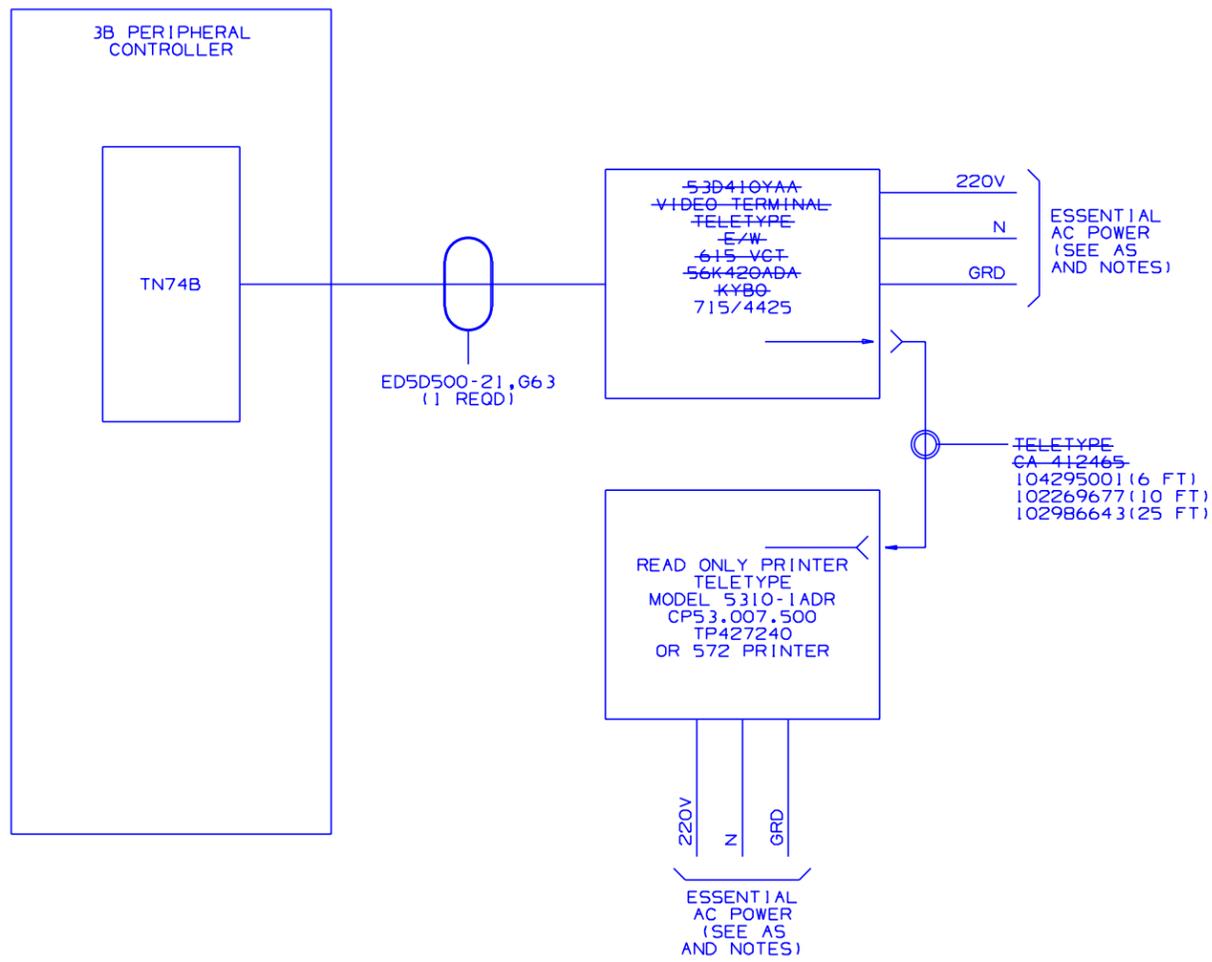


FIG. 5  
RCM  
RECENT CHANGE/VERIFY MODULE  
TYPICAL MODEM ARRANGEMENT  
FOR INTERFACING TO THE  
3B20 PROCESSOR

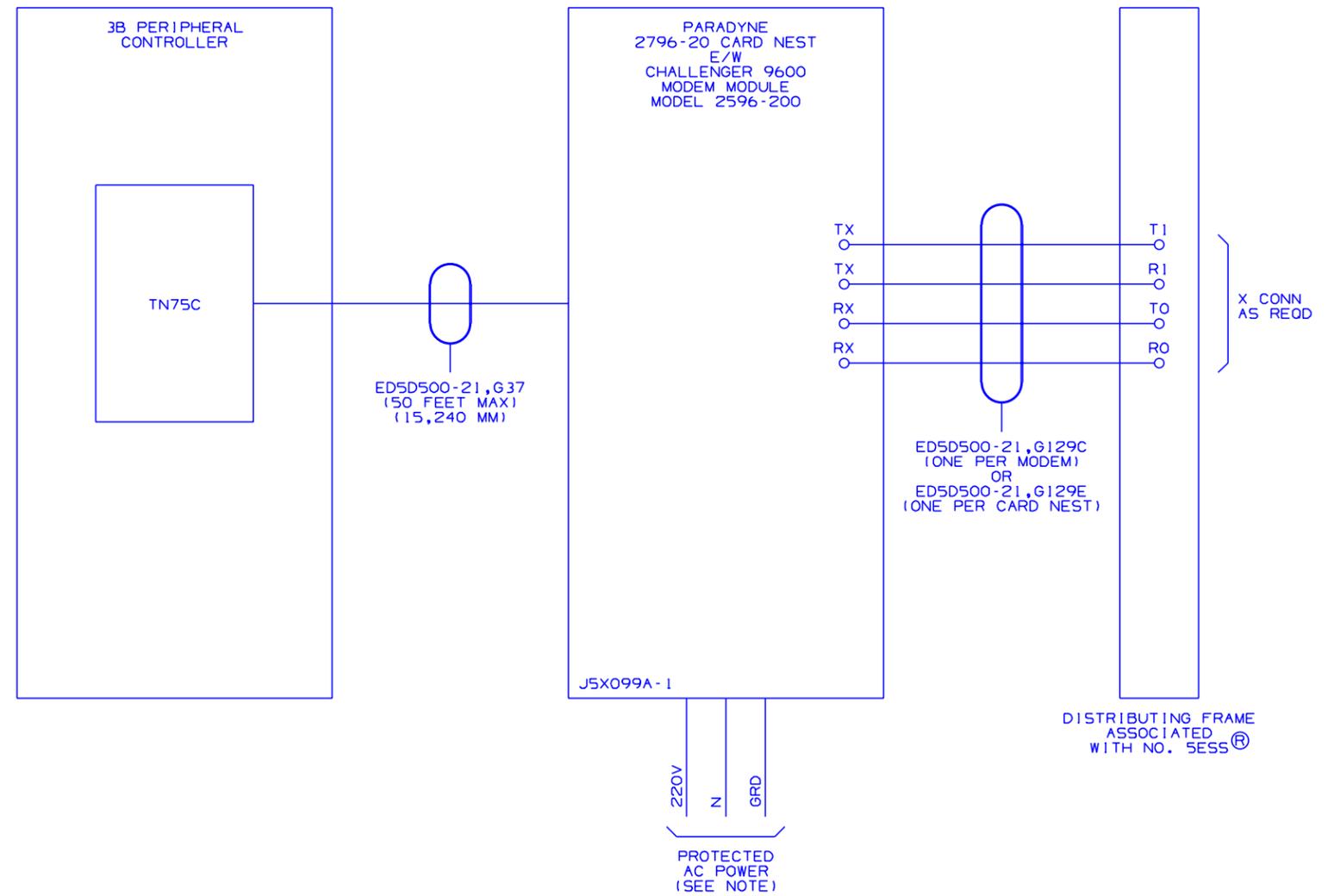


FIG. 6  
 RSDS  
 ROUTE STATUS DISPLAY SYSTEM  
 TYPICAL MODEM ARRANGEMENT  
 FOR INTERFACING TO THE  
 3B2D PROCESSORS  
 (SEE NOTE 56)

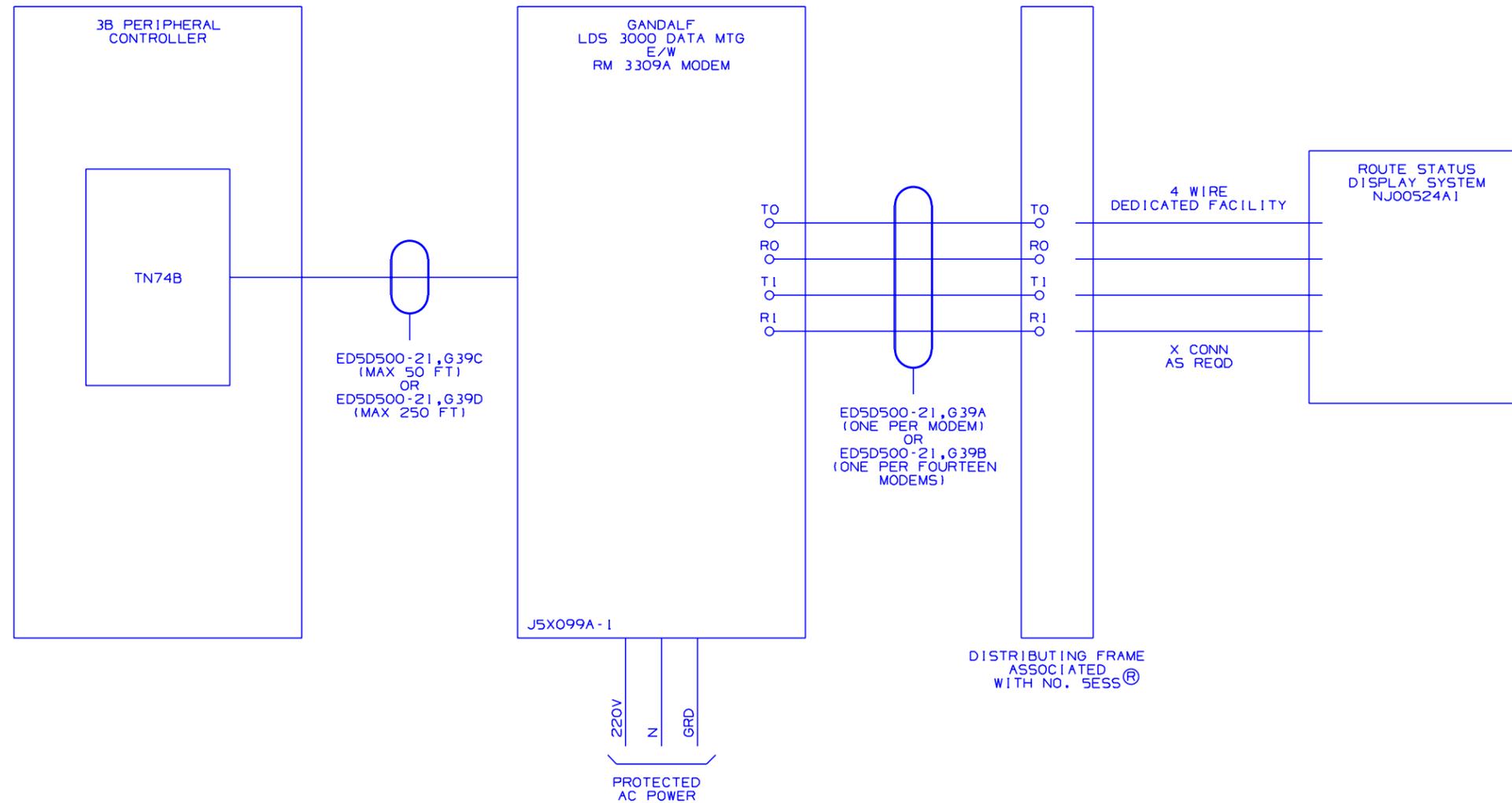
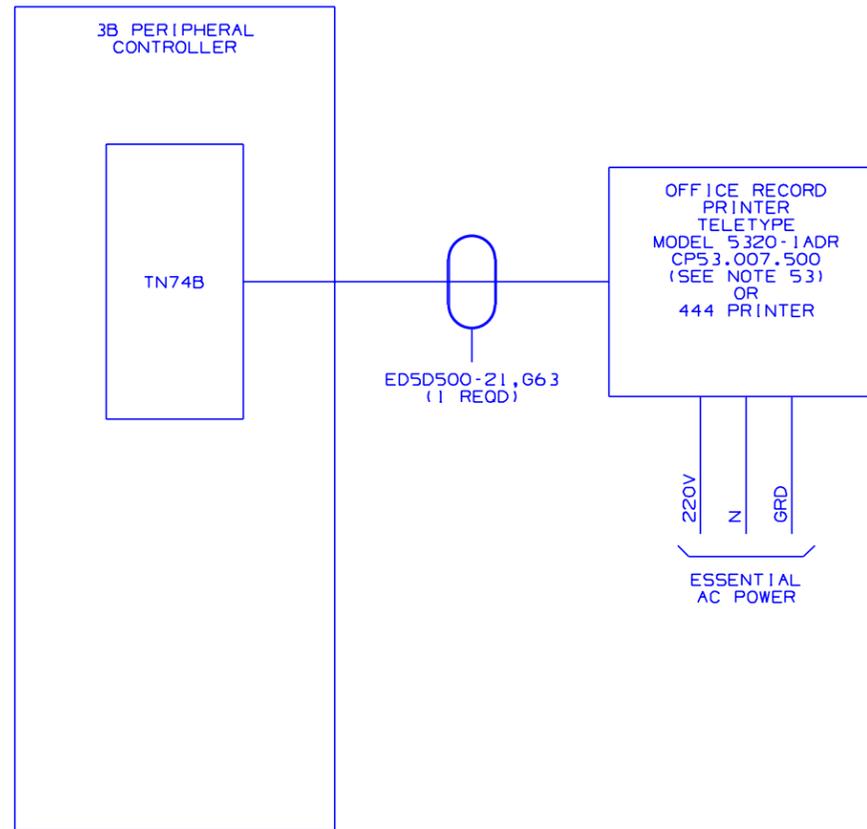


FIG. 7  
 TYPICAL ARRANGEMENT FOR  
 OFFICE RECORD PRINTER (ORP)  
 LOCATED WITHIN 50 FEET (15,240 MM)  
 OF THE 3B20D PROCESSOR



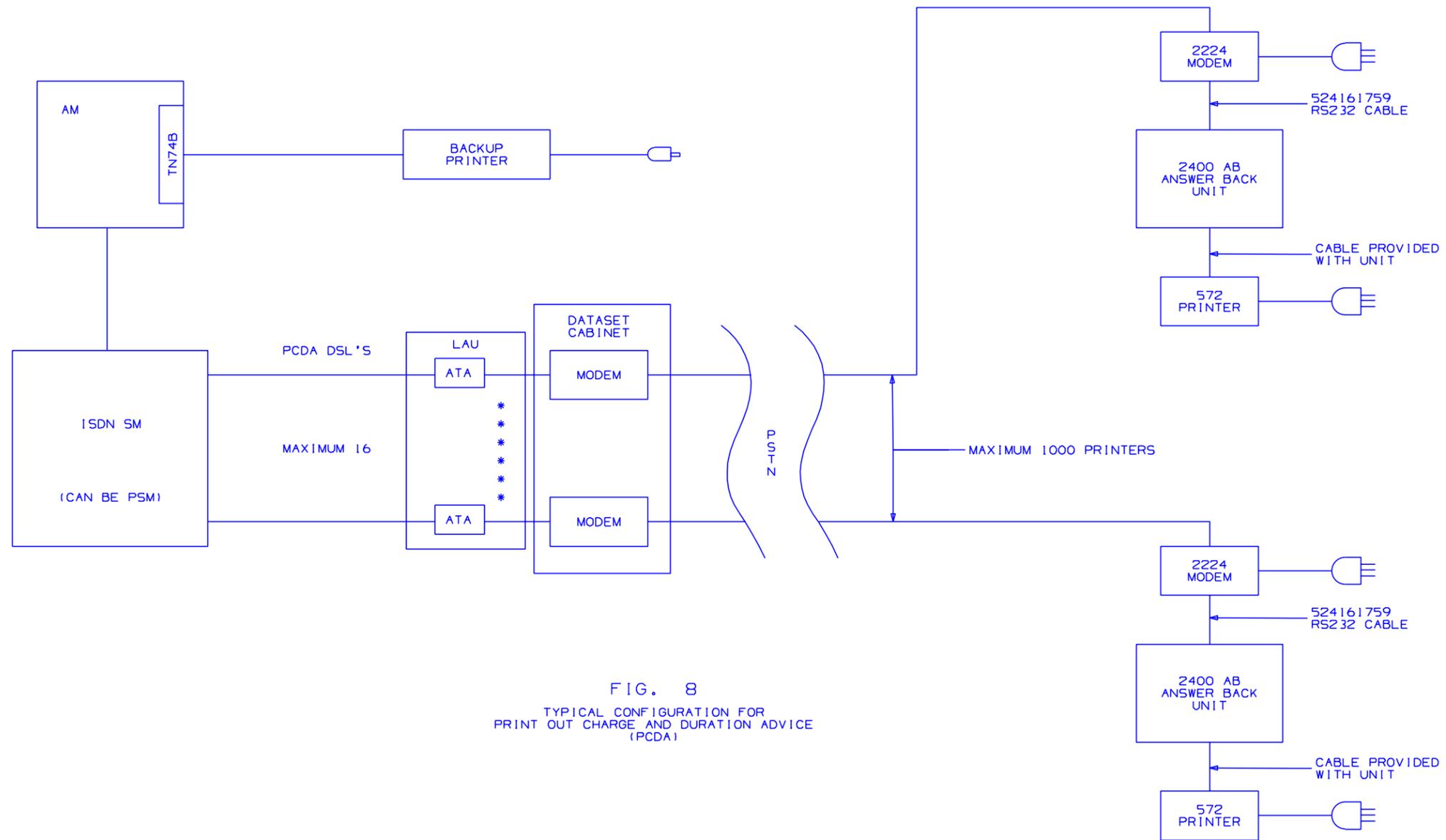


FIG. 8  
 TYPICAL CONFIGURATION FOR  
 PRINT OUT CHARGE AND DURATION ADVICE  
 (PCDA)

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I/O CONNECTION  
 FOR OSS

DWG SIZE	ISSUE
C2	11

LUCENT TECHNOLOGIES INC	ED5X235 - 30	SHEET
	PRINTED IN U.S.A.	B6

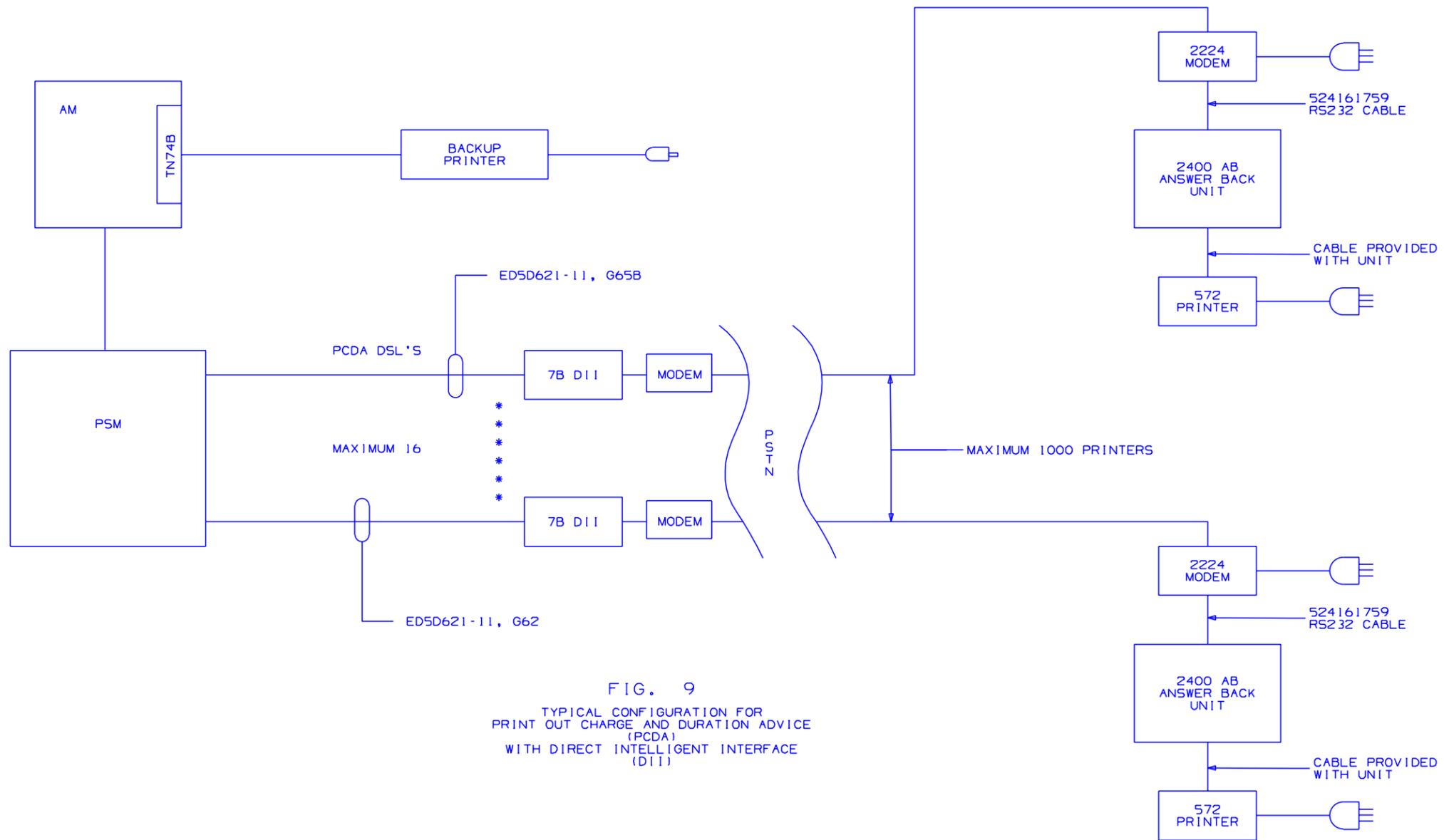


FIG. 9  
 TYPICAL CONFIGURATION FOR  
 PRINT OUT CHARGE AND DURATION ADVICE  
 (PCDA)  
 WITH DIRECT INTELLIGENT INTERFACE  
 (DII)

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I/O CONNECTION FOR OSS	DWG SIZE	ISSUE
	C2	11
LUCENT TECHNOLOGIES INC	ED5X235-30	SHEET B7

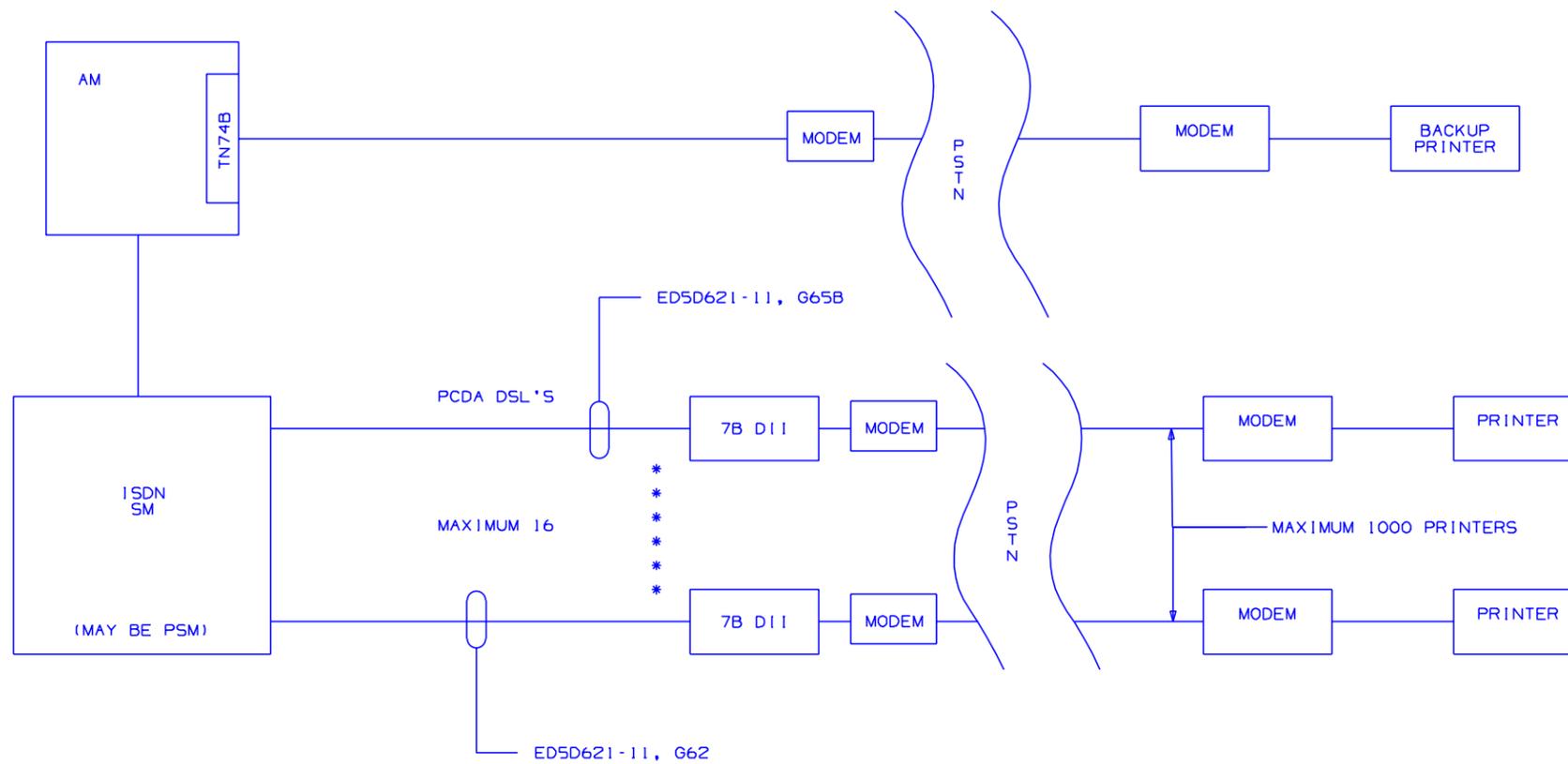


FIG. 9A  
 TYPICAL CONFIGURATION FOR  
 PRINT OUT CHARGE AND DURATION ADVICE  
 (PCDA)  
 WITH DIRECT INTELLIGENT INTERFACE  
 (DII)

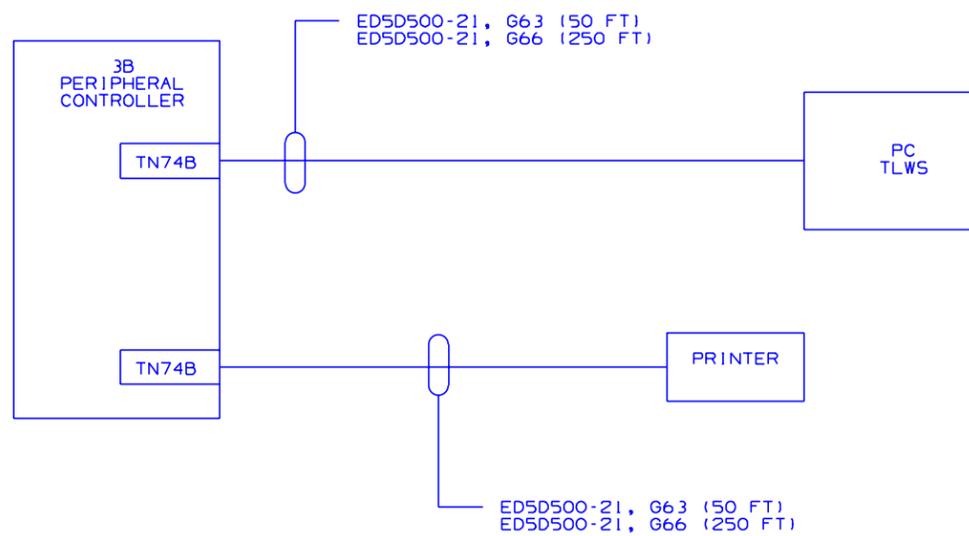


FIG. 10  
 TYPICAL CONFIGURATION FOR TLWS  
 USING A PC

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1	1	105439889	3B2/400	PACKAGE DOMESTIC SOLUTION "D2" AY			
1010	2	1	105008288		KIT, EXPANSION 2MB 3B2			
1020	2	1	104245956	3B2	KIT, CONTROLLER INTELLIGENT SERIAL CLEI = NCGQ018AAA			
1030	2	1	ED5D621-11,G65C		CABLING, INTERCABINET		S	
1040	2	1	105330278	BR2	SOFTWARE 3B2 X.25 PACKAGE SOFTWARE AND DOCUMENTATION			13
1060	3	1	406312066		MODEM #LDM-409 GANDALF			
1070	4	1	406312074		MODEM #DM-49 GANDALF			
1080	3,4	2	501006878	55C715ACAA	CONTROLLER 615 MT CLEI = GCPQAH7AAA			
1090	3,4	2	501007983	53D410YAA	MONITOR VERSION 3 14 IN, AMBER, 110 VAC CLEI = XCPQ44L1AA			
1100	3,4	2	501004865	56K420ADA-V2	KEYBOARD			
1110	3,4	2	524605524	TP460552	CARTRIDGE 4425 EMULATION			
1115	3,4	2	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.			
1120	4	2	524203189	TP420318	CABLE 2500MM IN-LINE UK TELETYPE			
1130	A	OMIT 2	501007983	53D410YAA	MONITOR VERSION 3 14 IN, AMBER, 110 VAC CLEI = XCPQ44L1AA			
1140	A	2	501006472	53D410ZAA	MONITOR 14INCH GREEN 110VAC			
1150	B	OMIT 2	501004865	56K420ADA-V2	KEYBOARD			
1160	B	2	501004873	56K430ACZ-V2	KEYBOARD VERSION 2 TELETYPE INC.			
1200	5	1	501006878	55C715ACAA	CONTROLLER 615 MT CLEI = GCPQAH7AAA			
1205	5	1	524605524	TP460552	CARTRIDGE 4425 EMULATION			
1210	5	1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.			14
1215	5,6,7	1	846759751		LABEL, UL REGULATORY & SAFETY AGENCY APPROVAL			14
1220	5	1	500064902		KEYBOARD #56K370ACK TELETYPE CORP.			
1230	5	1	ED5D500-21,G63		CABLING, INTERCABINET		S	
	15	1	G63					
	17	1	G63					
	18	1	G63					
1240	6,9	OMIT 1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.			14
1250	6	1	501007983	53D410YAA	MONITOR VERSION 3 14 IN, AMBER, 110 VAC CLEI = XCPQ44L1AA			
1260	7,9	OMIT 1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.			

STOCKLIST CONTINUED ON SHEET D2

ED5X235-30

S  
H  
O  
P

MANUFACTURING NOTES

1. X PARTS REQUIRED FOR INSTALLATION.
- X/ PARTS REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP MOUNTED OR BY THE INSTALLER WHEN THE EQUIPMENT IS TO BE FIELD MOUNTED.
- \* PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.
- \*/ PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.
- ( ) INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
- { } INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.
- < > INDICATES DESIGNATIONS AND/OR INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.
- "W" PARTS ASSEMBLED AT THE SAME TIME THE EQUIPMENT IS MOUNTED.
- "W\*" PARTS TO BE (A) SHOP ASSEMBLED, BUT WHICH CANNOT BE ASSEMBLED UNTIL THE ASSOCIATED EQUIPMENT IS BEING MOUNTED, OR (B) SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED EQUIPMENT WHEN FIELD MOUNTED.
- "S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.
- A/R AS REQUIRED.
- "B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.
- X X 12. THIS DRAWING CONTAINS BOTH U.S. CUSTOMARY (INCH ETC.) AND SI (METRIC) DIMENSIONS.
- X X 13. COMMUNICATIONS SOFTWARE, 1040-X.25 MUST BE RELEASE 1.01, REV E.
- X 14. TO CONVERT THE UNIT TO 220V AC OPERATION, THE FOLLOWING STEPS ARE REQUIRED:
  - 1) REMOVE THE REAR PLASTIC COVER FROM THE UNIT (2 OR 4 SCREWS, DEPENDING ON THE VINTAGE OF THE UNIT).
  - 2) LOCATE THE POWER SUPPLY SECTION (EITHER A SEPARATE CIRCUIT BOARD ASSEMBLY ON THE RIGHT SIDE, OR THE RIGHT REAR OF THE MAIN CIRCUIT BOARD AS ONE FACES THE CRT FACE).
  - 3) LOCATE THE LARGE BLACK JUMPER WIRE LABELED "115V".
  - 4) PULL THE JUMPER FROM ITS MATING TERMINAL AND RECONNECT IT TO THE OTHER SIMILAR TERMINAL NEARBY MARKED "220V" ON THE CIRCUIT BOARD.
  - 5) REPLACE THE REAR COVER. THE UNIT IS NOW READY FOR 220V OPERATION.
  - 6) REMOVE OR OBLITERATE THE UL/CSA IDENTIFIER PORTION OF THE LABEL ON THE UNIT.
  - 7) REMOVE OR OBLITERATE THE 110V MARKING AND REPLACE IT WITH THE 220V DESIGNATION LABEL COMCODE 846759751.

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LUCENT TECHNOLOGIES INC ED5X235-30

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1270	7	1	501006472	53D410ZAA	MONITOR 14INCH GREEN 110VAC				14
1280	8,9	OMIT 1	500064902		KEYBOARD #56K370ACK TELETYPE CORP.				
1290	8	1	501004873	56K430ACZ-V2	KEYBOARD VERSION 2 TELETYPE INC.				
1291	8	OMIT 1	501004873	56K430ACZ-V2	KEYBOARD VERSION 2 TELETYPE INC.				
1292	8	1	501010078	56K430ACZ	KEYBOARD VERSION 3 ORIGINAL EQPT. MANUFACTURER 103 KEY				
1295	9	OMIT 1	501006878	55C715ACAA	CONTROLLER 615 MT CLEI = GCPQAH7AAA				
1300	9	1	405241498	KS22921L3	TERMINAL E/W L102				
1340	10	OMIT 1	405241498	KS22921L3	TERMINAL E/W L102				
1350	10	1	406004705	KS23554L6	STATION, WORK COLOR GRAPHICS VERSION-220V				
1360	10 31	1 1	ED4C508-20,G7D G7D		ASSEMBLY, CABLE				
1370	11	1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.				
1380	11	1	501006878	55C715ACAA	CONTROLLER 615 MT CLEI = GCPQAH7AAA				
1390	11	1	500064902		KEYBOARD #56K370ACK TELETYPE CORP.				
1410	11,16,18, 19	1 1	524124658		CABLE ASSEMBLY #TP412465 7 FT TELETYPE CORP.				
1420	12	OMIT 1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.				
1430	12	1	501007983	53D410YAA	MONITOR VERSION 3 CLEI = XCPQ44L1AA 14 IN, AMBER, 110 VAC				
1440	13	OMIT 1	500064902		KEYBOARD #56K370ACK TELETYPE CORP.				
1450	13	1	501009013	56K420ADA	KEYBOARD VERSION 3 OEM				
1460	14	1	ED5D500-21,G37		CABLING, INTERCABINET				S
1470	15	1	524308475	TP430847	PRINTER, 5310 BLACK				
1480	15	1	524124658		CABLE ASSEMBLY #TP412465 7 FT TELETYPE CORP.				
1510	16	1	406152934		PRINTER #9500DR-220 C.I.TOH ELECTRONICS				
1520	17	1	524308491	TP430849	PRINTER, 5320 BLACK				
1550	18	1	540002383		PRINTER #444-LB600-013 DATA PRODUCTS				
1560	18	1	540002557		BAND #287134-002 DATA PRODUCTS				
1580	19	1	540002425		PRINTER #444-LB600-015 DATA PRODUCTS				

\*\*\*\*\* STOCKLIST CONTINUED AT RIGHT \*\*\*\*\*

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STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1585	Z0	1	ED5D500-21,G39C		CABLING, INTERCABINET				S
1590	C D	OMIT 1 OMIT 1	ED5D500-21,G63 G63		CABLING, INTERCABINET				S
1600	C D	1 1	ED5D500-21,G66 G66		CABLING, INTERCABINET				S
1630	E	OMIT 1	ED5D500-21,G39C		CABLING, INTERCABINET				S
1640	E	1	ED5D500-21,G39D		CABLING, INTERCABINET				S
1650	21	1	105659957	2224C-L1D	SET, DATA				
1660	22	1	106239304	2224C-L1E	SET, DATA, STAND ALONE(DDD)				
1665	22	1	406174656		SUPPLY, POWER #RKD301F-040 BRITISH STANDARD				
1680	23	1	406152983		PRINTER, DOT MATRIX #572-9500DR C.I.TOH ELECTRONICS				
1690	23,24	1	524161759		CABLE #TP416175 12 FT E1A12 TELETYPE CORP.				
1700	23,24	1	406694141		UNIT, ANSWERBACK #2400AB E/W DEOT DATACAP INC.				
1710	24	1	406152934		PRINTER #9500DR-220 C.I.TOH ELECTRONICS 220V, 50HZ				
1730	F	1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.				
1740	G	1	405571647		CORD, SET #86552060 4.5 METERS BRITISH VDE PANEL COMPONENTS CORP.				S
1741	G	1	406602532		CORD #86511052 PANEL COMPONENT CORP				
1750	25	1	106597776	3820-A1-001	MODEM, STANDALONE				
1760	26	1	106788854	3820-A1-301	MODEM, DATA TRANSFER				
1770	H	1	106831332	3830-A1-001	MODEM, DATA TRANSFER				
1780	J	1	106904303	3830-A1-301	MODEM, DATA TRANSFER				
1790	K	1	406417816		MODEM, EXTERNAL #2400 SMARTMODEM HAYES				
1800	27	1	406593152		PRINTER, DOT MATRIX #577-17IN-540CPS-(220V,50HC) NCR-WICHITA				
1810	28	1	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA				
1820	29A	1	847628849		KIT, COMPUTER				
1830	29	1	847363082		KIT, PERSONAL COMPUTER				
1835	29,29A	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP				

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C2

ISSUE  
14

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OF 15

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STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1840	29, 29A, 32, 32A, 33, 33A, 33B	1 1 1 1	107277899	AT&T5PG01EA	PILOT, INTERFACE			
1850	30	1	106463300	56C707YCAA	TERMINAL, DATA			
1855	11A, 30A	1	407401520		TERMINAL, DATA #2926-7059-7300WHITE, 2900/260 W/KEYBOARD SUNRIVER DATA SYSTEMS			
1860	31	1	406854190	KS23996L5	STATION, WORK		S	
1861	31	1	407552496	KS23996L6	STATION, WORK			
1870	32	1	847744273		KIT, COMPUTER			
1875	32A	1	847927365		KIT, MONITOR			
1880	33	1	847744281		KIT, COMPUTER			
1885	33A	1	847927381		KIT, MONITOR SET			
1886	33B	1	848344602		KIT, COMPUTER			
1900	KB1	1	407746791		KEYBOARD, UK VERSION #C3757-60413 HEWLETT PACKARD			
1910	KB2	1	407746809		KEYBOARD, SPANISH VERSION #C3757-60404 HEWLETT PACKARD			
1920	KB3	1	407746817		KEYBOARD, CHINESE VERSION #C3757-60423 HEWLETT PACKARD			
1940	KB5	1	407746825		KEYBOARD, PORTUGUESE VERSION #C3757-60401 HEWLETT PACKARD			
1950	KB6	1	407746841		KEYBOARD, ARABIC/ENGLISH VERSION #C3757-60401 HEWLETT PACKARD			
3000	500	1	847520129		KIT, TRUNK LINE WORK STATION PC			
3010	504	1	106463300	56C707YCAA	TERMINAL, DATA			
3020	506	1	406854190	KS23996L5	STATION, WORK		S	
3021	506	1	407552496	KS23996L6	STATION, WORK			
3030	510	1	406593152		PRINTER, DOT MATRIX #577-17IN-540CPS-(220V,50HC) NCR-WICHITA			
3040	512	1	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA			
3050	514	1	406152934		PRINTER #9500DR-220 C.I.TOH ELECTRONICS			
3060	516	1	406152983		PRINTER, DOT MATRIX #572-9500DR C.I.TOH ELECTRONICS			
3090	520	1	106597776	3820-A1-001	MODEM, STANDALONE			
3100	522	1	106788854	3820-A1-301	MODEM, DATA TRANSFER			
3110	524	1	106831332	3830-A1-001	MODEM, DATA TRANSFER			
3120	526	1	106904303	3830-A1-301	MODEM, DATA TRANSFER			
3130	528	1	406417816		MODEM, EXTERNAL #2400 SMARTMODEM HAYES			
3500	550	1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.			
3510	552	1	405571647		CORD, SET #86552060 4.5 METERS BRITISH VDE PANEL COMPONENTS CORP.		S	
3511	552	1	406602532		CORD #86511052 PANEL COMPONENT CORP			

\*\*\*\*\* END OF STOCKLIST \*\*\*\*\*

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