

ISSUE NOTES (CONTINUED)				
H7233 - NOTE 86 MODIFIED , 87 & 88 ADDED; GROUPS 85B, 134 & 140 RATING CHANGED TO "NRTO", GROUPS 97, 113, 114, 116 & 136 RATING WAS "NRTO", GROUPS 98, 99, 105, 106, 107, 111, 112, 115, 117, 118, 119, 121, 122, 123, 125, 138, 139, 141, 142, 143, 144, 145 & B11 THRU B14 MODIFIED, GROUPS 104, 126, 127, 128, 129, AC, AD, BE WA, WB & B15 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 05/04/94	ISSUE: 17
H7233 - NOTES 89 & 90 ADDED; LISTS 85A, 96 & 96A RATING WAS "STANDARD", LISTD 85B, 97, 146, AH & AI ADDED, LISTS 131, 136, 138, AA, AB & AC MODIFIED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 06/17/94	ISSUE: 18
H7335 - NOTES 89 & 90 COMBINED, 90 DELETED; LISTS 87,113,117,118, 119,120 124,125,137,138,139, AG,AH & AI MODIFIED, LISTS 93 & 94 RATING WAS "STANDARD", LISTS 93A,94A,147,AJ,AK,AL,AM,AN & AO ADDED, FIGURE 21 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 09/30/94	ISSUE: 19
ADDED GRP'S 149,150,151 & 152 CHG TAG H7380 ADDED GPI D2 500 GRP'S ITEMS 6500 TO 7240 CHG TAG H7451				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-14 CHANGE CLASS: B				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 02/17/95	ISSUE: 20
ADDED "S" NOTE TO ITEMS 6500 TO 7240				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-16 CHANGE CLASS: MF				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 03/22/95	ISSUE: 21
CHANGED QTY FOR ITEM 7020				
ORIG ISS: 11/20/87 CHANGE CLASS: ME				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 04/18/95	ISSUE: 22
REPLACE GRP 92 WITH 92A & B, ADD SW TO NGRP 134 & LICENCE TO 135 REPLACE GRP 142 WITH GRP'S 153 & 154.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-17 CHANGE CLASS: ME				
DRAFT: OW	ENGR: OW	SUPV: FNG	CERTIFIED: 11/29/95	ISSUE: 23

ISSUE NOTES (CONTINUED)				
TABLE A, GROUPS 84 - 88 & W - Y ADDED; ENG NOTES 75 - 79 ADDED; SL ITEMS 3000 - 3200 ADDED; MFG NOTE 13 ADDED.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-9 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV: EJZ	CERTIFIED: 12/10/91	ISSUE: 10
NOTE 75 MODIFIED, NOTES 80, 81 & 82 ADDED; IN TABLE A, GROUPS 11, 12, 23, 26, 59 THRU 64, 66, 67 74 AND 75 RATING WAS "STANDARD", GROUP 87 MODIFIED, 89 AND 90, Q THRU V ADDED; IN STOCKLIST ITEMS 3230 THRU 3410 ADDED.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-10 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/02/93	ISSUE: 11
LIST 85 RATING WAS "STANDARD", LISTS 85A,AA & AB ADDED.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-11 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/17/93	ISSUE: 12
SHEET INDEX UPDATED, SHEETS B9 & B10 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/17/93	ISSUE: 13
H7158 - NOTES 83 & 84 ADDED, GROUPS 6A,6B,15,16,65,89,101,102, 103,H & Z RATING WAS "STANDARD"; REF TO GROUP 85A ADDED TO GROUPS 69,86,87,89,90,92,93,94,95,Q,R,S,T,U,V,W & X; GROUPS 92 THRU 96 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 02/04/94	ISSUE: 14
LISTS 6A, 6B & Z RATING WAS "DA".				
ORIG ISS: 11/20/87 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 02/18/94	ISSUE: 15
GROUPS 97,113,114,116,136 & 137 RATED "NRTO".				
ORIG ISS: 11/20/87 CHANGE CLASS: ME				
DRAFT: TMR	ENGR: OW	SUPV: FNG	CERTIFIED: 03/18/94	ISSUE: 16

ISSUE NOTES				
ORIG ISS: 11/20/87 CHANGE CLASS:				
DRAFT: DSL	ENGR: RFK	SUPV: JFM	CERTIFIED: 11/20/87	ISSUE: 1
TABLE A GRP 5,13 & 14 RATED 'DA'. TABLE A GRP 15 TO 28; SL ITEMS 1095; 2090 TO 2240; NOTE 63 ADDED. FIG.3 RATED 'DA'. FIG.6 ADDED. NOTE 55, FIG.1 & 5 CHGD. GRP 100 TO 103 RATED 'NRTO'. NOTE 64 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: DSL	ENGR: RFK	SUPV:	CERTIFIED: 12/06/88	ISSUE: 2
LISTS 29 THRU 36 ADDED. SL ITEMS 2250 THRU 2320 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: DSL	ENGR: JJR	SUPV:	CERTIFIED: 05/23/89	ISSUE: 3
LISTS 37 THRU 65 ADDED. SL ITEMS 2330 THRU 2610 ADDED. NOTE 65 & 66 ADDED. SL ITEM 2120 LINED OUT, ITEM 2121 ADDED.				
ORIG ISS: 11/20/87 CHANGE CLASS: B				
DRAFT: PKK	ENGR: JJR	SUPV:	CERTIFIED: 03/05/90	ISSUE: 4
LISTS 66 THRU 80 ADDED. SL ITEMS 2620 THRU 2840 ADDED. FIG. 7 AND 8 ADDED. NOTE 61 MODIFIED, GROUPS 24, 25, 27 THRU 58 AND 73 RATED 'DA', 100 THRU 103 WERE RATED NRTO.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-4 CHANGE CLASS: B				
DRAFT: PKK	ENGR: TMR	SUPV:	CERTIFIED: 07/02/90	ISSUE: 5
TABLE A GRPS 7 THRU 10 & 17 THRU 22 RATED 'DA'; SL ITEMS 2800 THRU 2830 QTY'S ADDED IN DESCRIPTION COL.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-5 CHANGE CLASS: M				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 01/04/91	ISSUE: 6
TABLE A GROUP 69 & 70 READ 'IN ADDITION TO GROUPS 66 OR 67', REF TO 110V, 60 HZ ADDED; GROUP 71 & 72 READ 'EQUIPMENT REQUIRED'; GROUP 81 & 82 ADDED; SL LINES 2850 & 2860 ADDED.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-6 CHANGE CLASS: M				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 01/04/91	ISSUE: 7
NOTES 67 THRU 69 7 SL ITEM 2665 ADDED, REF TO SOFTWARE RELEASE ADDED IN GROUP 3, 16, 66 & 67.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-7 CHANGE CLASS: M				
DRAFT: TMR	ENGR: TMR	SUPV:	CERTIFIED: 06/21/91	ISSUE: 8
NOTES 70 THRU 74 ADDED; GROUP 6 RATED DA, GROUPS 6A,6A,83,G,H,J AND K ADDED; SL ITEMS 1103,1104,2870 THRU 2990 ADDED; SHT B3 FIG. 7 & 8 MODIFIED TO SHOW 7B DII AND 577 PRINTER SHT B4, FIG. 9 & 10 AND SHT B5, FIG. 11A & 11B ADDED.				
ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-8 CHANGE CLASS: B				
DRAFT: TMR	ENGR: TMR	SUPV: EJZ	CERTIFIED: 10/01/91	ISSUE: 9

SHEET INDEX											
SHT NBR	A1 THRU A20 ISSUE 34										
ISSUE											
SHT NBR	D1 THRU D12 ISSUE 34										
ISSUE											
SHT NBR	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
ISSUE	29	30	29	29	29	29	29	29	29	29	29
SHT NBR	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22
ISSUE	29	29	29	29	29	29	29	29	29	29	31
SHT NBR											
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TABLE OF CONTENTS	
DESCRIPTION	SHT
SHEET INDEX	A1
ISSUE NOTES	A1
ENGINEERING-NOTES	A2
TABLE A	A3
B SECTION GRAPHICS	B1
MANUFACTURING NOTES	D1
STOCKLIST	D1

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		BT13	
		5ESS SWITCHING EQUIPMENT TERMINAL AND PROCESSOR CONNECTION FOR OPERATOR SERVICES POSITION SYSTEM EXPORT	
DWG SIZE	ISSUE		
C2	34		
LUCENT TECHNOLOGIES INC		ED5X216-30	
		SHEET A1 OF 54	

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. VDT WIRING OPTIONS ARE TO BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING:
 :-----:
 :OPT : PROVIDED WHEN :
 :-----:
 :Z : A-LAW SIGNALING :
 : : IS REQUIRED :
 :-----:
 :Y* : M-LAW SIGNALING :
 : : IS REQUIRED :
 :-----:
54. DO NOT ORDER GROUP 101,102 & 103 IF GROUP 100 IS ORDERED ON INITIAL JOB.
55. THE FOLLOWING HEADSETS ONLY MAY BE USED WITH THE VDT:
 60A
 61A
 KS22915,L17&18
 KS22990,L8&9
 OR EQUIV.
 SEE ED5D621-11,G11F FOR SUPPLEMENTING LENGTHS TO HEADSET CABLES.
56. KS TRAINER REQUIRES A 6 MONTH ORDERING INTERVAL FROM THE MANUFACTURER, AND SHOULD BE ORDERED ON A FURNISH ONLY BASIS BY THE CUSTOMER.
57. IT IS RECOMMENDED THE OAP BE SUPPLIED WITH PROTECTED POWER WHENEVER POSSIBLE.
58. THIS EQUIPMENT WILL ALLOW THE OAP WHEN USED AS AN FMC TO BE LOCATED BETWEEN 5 TO 200 MILES FROM OSC.
59. REQUIREMENTS AND QUANTITIES FOR THESE GROUPS WILL BE DETERMINED BY OSPS CUSTOMER.
60. PORTABLE AC TO DC CONVERTER TO BE PROVIDED BY CUSTOMER SHOULD BE -48V DC + OR - 5%, 4.5 AMPS MAXIMUM OUTPUT. MAY BE OBTAINED FROM LAMBDA ELECTRONICS, PART NO. LDS-P-48, PHONE (516) 694-4200.
61. EQUIPMENT MUST BE MODIFIED BY INSTALLATION FORCES WHEN 220V OPERATION IS REQUIRED.
62. 3B2/400 IS ARRANGED WITH 8 CRT SERIAL PORTS, HOWEVER, THE PROCESSOR CAN SUPPORT UP TO 90 SERIAL PORTS MAXIMUM. 46 SERIAL PORTS USING I/O PORTS CARD ONLY, OR 90 SERIAL PORTS USING E PORTS CARD ONLY.
63. QUANTITIES TO BE DETERMINED BY CUSTOMER.
64. AVAILABILITY WILL BE 1Q89.
65. WHEN ORDERING OPTICAL DISKS, SPECIFY EITHER PANASONIC OR SHUGART DISKS, BY ADDING SUFFIX P OR S TO THE LIST BEING ORDERED. (EXAMPLE 17P OR 17S)
66. KS23364, LIST 14 ORDERED PER GROUP 65 IS INDEPENDENT OF THE DISK QUANTITY ORDERED. GROUP 65 NEED ONLY BE ORDERED ONCE, WHETHER THE ORDER IS FOR ONE DISK OR TEN DISKS.
67. OSC/FMC IN SOFTWARE RELEASE 5EE4.1 IS EQUIVALENT TO OAP IN SOFTWARE RELEASE 5EE3.2.
68. IN TABLE "A", DESCRIPTION FIELD, INFORMATION ENCLOSED IN < > IS FOR REPORT PURPOSES ONLY.
69. IF NECESSARY THE PAPER ADVANCE KNOB MAY BE REMOVED FROM THE ADMINISTRATIVE PRINTER TO OBTAIN PROPER CLEARANCE WHEN MOUNTING IN THE DATA SET CABINET.
70. THE TYPICAL DII CABLING CONFIGURATION CONSISTS OF TWO MODULAR-TO-RS232 ADAPTERS AND A MODULAR CORD. SEE FIG. 9. THE INDIVIDUAL COMPONENTS TO SUPPORT THESE CONFIGURATIONS ARE ORDERED BY COMCODE AS NEEDED. SEE FIGURE 11 FOR DII POWER OPTIONS.
71. IN LIEU OF ORDERING INDIVIDUAL PREWIRED MODULAR-TO-RS232 ADAPTERS GROUP "K" SPECIFIES A MODULAR-TO-RS232 ADAPTER KIT. THIS KIT CAN BE ASSEMBLED, PER CADS 20 AND 21 OF SD5X214-01 TO SUPPORT EACH CONFIGURATION AS NEEDED.
72. DII POWER CAN BE SUPPLIED FROM OFFICE BATTERY, (LINE ENGINEERED), OR BY A STAND ALONE AC POWER SUPPLY, (115V), SEE FIGURE 11 AND NOTE 252 OF SD5X214-01.
 ----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

H8609: ADDED NOTE 94 AND REFERENCE TO NOTE 94 TO GRP. 97B DA'D GRP'S 164E, F & 165C AND REPLACED THEM WITH 164G & H AND 165D. DA'D GRP'S 87, 90 AND KB20 TO KB26, WITH NO REPLACEMENT.
 ADDED ITEMS 6403, 6413, 6266 AND GRP. 166C WITH ITEM 6341. LINED OUT ITEM 6340 AND REPLACED IT WITH 6341.
 ITEM 8011 WAS CHANGED FROM 407746809 TO 408017226.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-26 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/24/99 ISSUE: 33

H8810: REMOVED REF. TO "S" NOTE ON ALL ACTIVE ITEMS.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-28 CHANGE CLASS: MF

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 12/16/99 ISSUE: 34

ISSUE NOTES (CONTINUED)

THIS CHANGE INTRODUCES THE SPARC SERVER 20 FOR THE OAP PLATFORM.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-18 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 01/31/96 ISSUE: 24

THIS ISSUE IS TO UPDATE FOR SHEET INDEX.

ORIG ISS: 11/20/87 CHANGE CLASS: ME

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 02/07/96 ISSUE: 25

DA'D GRP 164 REPLACED WITH 164A & B. ADDED MODEMS TO GRPS. 168 & 169 AND HUB INFO TO 174. ADDED GRPS AS & BF. REPLACED FIG 16 & 17 WITH 16A & 17A.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-19 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 04/29/96 ISSUE: 26

THIS ISSUE IS TO UPDATE THE SHEET INDEX, FOR B11, B12 AND B13.

ORIG ISS: 11/20/87 CHANGE CLASS: ME

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/06/96 ISSUE: 27

ADDED ITEM 6390 FOR GRP. "AS" AND ADDED "S" NOTE FOR ITEMS: 6340, 6350, 6380, 6400, 6410, 6420, 6430, 6440 AND 6450.

ORIG ISS: 11/20/87 CHANGE CLASS: ME

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/22/96 ISSUE: 28

DA GRP'S 165 AND 166 AND REPLACE WITH GRP'S 165A AND 166A.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-21 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 11/14/96 ISSUE: 29

H8040 - REPLACED GRP 97 WITH 97A AND 164A & B WITH 164C & D. ADDED GRP'S 175 TO 182, KB1 TO KB6, KB20 TO KB26, SW1 & 2 SW10 TO SW13, SW30 TO SW35 AND SW40 TO SW45. CORRECTED SHEET NO B2 AND ADDED SHEET B22. CHTOW1- DA'D ALL 500 TYP. GPI GROUPS, FROM 500 TO 657.

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-22 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/22/97 ISSUE: 30

UPDATE SHEET INDEX FOR SHEET B22, ISS:31.

ORIG ISS: 11/20/87 CHANGE CLASS: ME

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 05/28/97 ISSUE: 31

H8330: ADDED GROUP 183 HARDWARE KIT FOR OLAP - NTT AND ITEM 7800 DA'D GRP'S. 69, 88, 91, 113, 124, 143, 155, 156 AND 173.
 H8497: ADDED GRP'S. 97B, 164E & F, 165C & C, 166B AND KB2A AND ITEMS 3912, 6262, 6265, 6272, 6402, 6412, AND 8011 DA'D GRP'S. 97A, 164C & D, 165A, 166A AND KB2

ORIG ISS: 11/20/87 NDD NBR: NDD5X216NW-25 CHANGE CLASS: B

DRAFT: OW ENGR: OW SUPV: FNG CERTIFIED: 11/10/98 ISSUE: 32

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BT13

5ESS SWITCHING EQUIPMENT
 TERMINAL AND PROCESSOR CONNECTION
 FOR
 OPERATOR SERVICES POSITION SYSTEM
 EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A2 OF 54

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 FOR ONE VIDEO DISPLAY TERMINAL. (SEE NOTES 53, 55 & 60. DA EFF:02/04/94 FE/RA:NONE		DA	1	1	ED5X216-30	1					
RESERVED.			2								
EQUIPMENT FOR ONE 3B2/400 ADMINISTRATION PROCESSOR, GANDALF 120E MODEM & PLUG. (SEE NOTE 57). <SEE 3.2> DA EFF:02/02/93 FE/RA:NONE		DA	3	1	ED5X216-30	2					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-3 TO PROVIDE GANDALF 419E MODEM. (SEE NOTE 58). DA EFF:02/02/93 FE/RA:NONE		DA	4	1	ED5X216-30	2					
EQUIPMENT FOR ONE ADMINISTRATION TERM & PLUG. (SEE NOTE 61).		DA	5	1	ED5X216-30	3					
EQUIPMENT FOR ONE ADMINISTRATION PRINTER. DA EFF:10/01/91 FE:ED5X216-30,G6A	69	DA	6	1	ED5X216-30	4					
EQUIPMENT REQUIRED FOR ONE ADMINISTRATIVE PRINTER FOR 220V, 50HZ APPLICATION. REPL:ED5X216-30,G6			6A	1							
EQUIPMENT REQUIRED FOR ONE ADMINISTRATIVE PRINTER FOR 110V, 60HZ APPLICATION. REPL:ED5X216-30,G6			6B	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE ONE KS23364 TRAINER WITH MU-LAW VOICE, OPERATING AT 120V AC, 60HZ. (SEE NOTES 56,59 & 60).		DA	7	1	ED5X216-30	5					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE ONE KS23364 TRAINER WITH MU-LAW VOICE, OPERATING AT 220V AC, 50HZ. (SEE NOTES 56,59 & 60).		DA	8	1	ED5X216-30	5					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE ONE KS23364 TRAINER WITH A-LAW VOICE, OPERATING AT 120V AC, 60HZ. (SEE NOTES 56,59 & 60).		DA	9	1	ED5X216-30	5					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE ONE KS23364 TRAINER WITH A-LAW VOICE, OPERATING AT 220V AC, 50HZ. (SEE NOTES 56,59 & 60).		DA	10	1	ED5X216-30	5					
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 7,8,9,10,63 OR 64 TO PROVIDE A 40 COLUMN, INKED RIBBON, DOT MATRIX INTERNAL PRINTER. (SEE NOTE 56). DA EFF:03/19/91 FE/RA:NONE		DA	11								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 7,8,9,10,63 OR 64 TO PROVIDE A 52 COLUMN, THERMAL TYPE INTERNAL PRINTER. (SEE NOTE 56). DA EFF:03/19/91 FE/RA:NONE		DA	12								

TABLE-A CONTINUED

ED5X216-30

ENGINEERING NOTES

***** CONTINUED *****

534 AND 536
547 AND 548
638 AND 639

92. THE XS10EX1-40-64-P64X SPARC10 (CC# 407198118) MAY BE UPGRADED TO THE NEW DUAL PROCESSOR SPARC10 SYSTEM BY MAKING THE FOLLOWING CHANGES:
A) REPLACING THE MODEL 41 MODULE WITH SPARCSTATION MODULE UPGRADES FOR SPARCSTATION 10, MODELS 20, 30, 40 AND 41 TO MODEL 61. "UG-S10-M41-M61"
B) ADDING ONE (1) X1168A SM61 SPARC MODULE WITH ONE SUPERSPARC PROCESSOR AND SUPERCACHE.
C) ADDING ONE (1) X164P 64-MBYTE MEMORY EXPANSION. (64-MBYTE SIMM.)
93. SEE TABLE DD FOR STANDARD LENGTH CABLES AND COM CODES. FOR CABLES LONGER THAN 30M (100FT) AND LESS THAN 1KM (3281FT) ORDER COM CODE 106471717 FOR E/W AND SPECIFY THE LENGTH REQUIRED FOR EACH OFFICE SITE.
94. THE SUN SPARCSTATION WILL BE SHIPPED WITH ONE US COUNTRY KIT CONSISTING OF POWER CORDS AND A UNIX KEYBOARD. OTHER COUNTRY KITS ARE AVAILABLE, HOWEVER THEY WILL NEED TO BE SPECIAL ORDERED FOR EACH SPECIFIC COUNTRY.

ENGINEERING NOTES

***** CONTINUED *****

73. D8W-87 MODULAR CABLES ARE PROVIDED IN 7, 25 AND 50 FOOT LENGTHS (2.1, 7.6 AND 15.2 METER), ONLY THE SHORTEST PRACTICAL LENGTH SHOULD BE ORDERED FOR EACH APPLICATION.
74. M25A-87 MODULAR CABLES ARE PROVIDED IN 5, 25 AND 50 FOOT LENGTHS (1.5, 7.6 AND 15.2 METER), ONLY THE SHORTEST PRACTICAL LENGTH SHOULD BE ORDERED FOR EACH APPLICATION.
75. IT IS RECOMMENDED THAT AN ANNUAL MAINTENANCE ARRANGEMENT BE PURCHASED FOR THE INFORMIX SOFTWARE. CONTACT YOUR LOCAL INFORMIX REPRESENTATIVE FOR PRICING INFORMATION.
INFORMIX
16011 COLLEGE BLVD.
LEXANA, KS 66219
(913) 599-7100
76. IF LIST 86 IS PROVIDED, LIST W IS NOT REQUIRED SINCE IT IS ALREADY EQUIPPED WITH THE X300W SPARE COUNTRY KIT.
77. RS-232 NULL MODEM CABLES ARE PROVIDED IN 5, 15, 25 AND 50 FOOT LENGTHS (1.5, 4.6, 7.6 & 15.2 M). ONLY THE SHORTEST PRACTICAL LENGTH SHOULD BE ORDERED FOR EACH APPLICATION.
78. A MAXIMUM OF TEN SERIAL PORTS WILL BE AVAILABLE FOR TERMINALS.
79. THE X2003W FILE SERVER OPTION PACK COMES EQUIPPED WITH U.S. POWER CORDS.
80. INTERFACE CONVERTER IC456A-E FOR 230V OPERATION IS PROVIDED WITH AN INLINE POWER TRANSFORMER WITH AN UNTERMINATED END THAT WILL REQUIRE A LOCAL POWER PLUG TO BE ATTACHED SUCH AS A 8001072 PLUG PER BS1363 13A OR A POWER CORD 86552007 THAT MAY BE OBTAINED FROM:
PANEL COMPONENTS CORP.
P.O. BOX 6626
SANTA ROSA, CA 95406
(707) 523-0600
81. RACKMOUNTED VERSIONS OF THIS UNIT ARE AVAILABLE AS IC456C. INTERFACE CONVERTER RACK (12-CARD) IS AVAILABLE AS TH-RM004 EXTERNAL POWER SUPPLY (RACK) IS AVAILABLE AS TH-PS004.
82. CABLE ED5D521-11,G62 FOR STAND-ALONE 9A, DII2 IS USED FOR -48V POWER, LENGTH IS TO BE JOB ENGINEERED.
83. WHEN ORDERING INFORMIX SOFTWARE THE NUMBER OF USERS MUST BE INDICATED AS 1, 2 TO 8, 9 TO 16 OR UNLIMITED. CONTACT YOUR LOCAL INFORMIX REPRESENTATIVE FOR CORRECT ORDERING INFORMATION.
84. TO ORDER CUSTOMIZED REPORT WRITING (CRW) SOFTWARE CONTACT THE CONSUMER COMMUNICATION SERVICES ORGANIZATION AT (908) 204-2808.
85. TWO MODEMS ARE REQUIRED. MAY BE A COMBINATION OF STAND ALONE AND/OR RACK MOUNTED VERSIONS. SEE GROUPS 115, 116, 117, 118 AND 119. GROUP 117 AND GROUP 118 OR 119 ARE MUTUALLY EXCLUSIVE.
86. THE FOLLOWING GROUPS ARE MUTUALLY EXCLUSIVE. 98 AND 99; 105, 106 AND 107; 117, 118, 119 AND 120; 124 AND 125.
87. CABLES ARE VARIABLE LENGTH AND MUST BE JOB ENGINEERED PER ED5D621-11 AND SD5X214-01.
88. CABLES ARE VARIABLE LENGTH AND MUST BE JOB ENGINEERED PER ED5D503-32 AND SD5X214-01.
89. THE BELOW LISTED GROUPS ARE MUTUALLY EXCLUSIVE:
137 AND 146
138 AND 146
139 AND AK
AN AND AO
90. THE 7B DII MAY BE EQUIPPED FOR -48V OR WITH A353A POWER SUPPLY IF 110V 60HZ. IS AVAILABLE, IF ONLY 220V 50HZ POWER SOURCE IS AVAILABLE THAN A LOCALLY OBTAINED STEP DOWN TRANSFORMER IS REQ'D.
91. THE FOLLOWING GROUPS ARE MUTUALLY EXCLUSIVE:
521 AND 522
530 AND 532
----- CONTINUED TO THE LEFT -----

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A3 OF 54

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 GROUPS 7,8,9 OR 10 TO PROVIDE OPTICAL DISK CONTAINING LESSON MATERIAL FOR INITIAL OPERATOR TRAINING FOR THE 5EE3 GENERIC. (SEE NOTES 56 & 59).		DA	13								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 7,8,9 OR 10 TO PROVIDE OPTICAL DISK CONTAINING LESSON MATERIAL FOR CUT-OVER OPERATOR TRAINING FOR THE 5EE3 GENERIC. (SEE NOTES 56 & 59).		DA	14								
EQUIPMENT FOR REPLACEMENT KEY DESIGNATION TABS FOR ONE VDT. (SEE NOTE 63). DA EFF:02/04/94 FE/RA:NONE		DA	15								
EQUIPMENT FOR ONE ADMINISTRATION CRT & PLUG. (SEE NOTE 61). <5EE3.2> DA EFF:02/04/94 FE:ED5X216-30,G92		DA	16		ED5X216-30	6					
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR SINGAPORE GATEWAY CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	17								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR TAIWAN NATIONAL CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	18								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR ARUBA GATEWAY CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	19								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR WUHAN NATIONAL CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	20								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR MINISTRY OF RAILWAYS (BEIJING-PRC) CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	21								
EQUIPMENT REQUIRED IN ADDITION TO GRP 17 TO 21 & 29 THRU 32 TO PROVIDE A CHARGE FOR PRODUCING A MASTER DISK FOR OSPS OPERATOR TRAINING FOR NEW HIRES. (SEE NOTE 56 & 59).		DA	22								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR SINGAPORE GATEWAY CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65). DA EFF:03/19/91 FE/RA:NONE		DA	23								

TABLE-A CONTINUED

ED5X216-30

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 IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR TAIWAN NATIONAL CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	24								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR ARUBA GATEWAY CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	25								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR WUHAN NATIONAL CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65). DA EFF:03/19/91 FE/RA:NONE		DA	26								
EQUIPMENT REQUIRED IN ADDITION TO GRP 1 TO PROVIDE OPTICAL DISK FOR MINISTRY OF RAILWAYS (BEIJING-PRC) CONTAINING LESSON MATERIAL USED FOR OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	27								
EQUIPMENT REQUIRED IN ADDITION TO GRP 23 TO 27 & 33 THRU 36 TO PROVIDE A CHARGE FOR PRODUCING A MASTER DISK FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS. (SEE NOTE 56 & 59).		DA	28								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR GABATAN TELEKOM BRUNEI CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	29								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR KOREAN TELECOMMUNICATIONS AUTHORITY CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	30								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR ITAL TEL CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	31								

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A4 OF 54

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 1 TO PROVIDE OPTICAL DISK FOR TELEFONICA, ESPANA CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	32								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR GABATAN TELEKOM BRUNEI CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	33								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR KOREAN TELECOMMUNICATIONS AUTHORITY CONTAINING THE LESSON MATERIAL USE FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	34								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR ITAL TEL CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	35								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISK FOR TELEFONICA, ESPANA CONTAINING THE LESSON MATERIAL USED FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE3 GENERIC. (SEE NOTES 56,59 & 65).		DA	36								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR SINGAPORE GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56, 59 & 65).		DA	37								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TAIWAN NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES MU-LAW) (SEE NOTES 56,59 & 65).		DA	38								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR ARUBA GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	39								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR WUHAN NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	40								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR MINISTRY OF RAILWAYS BEIJING-PRC NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	41								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR GABATAN TELEKOM BRUNEI. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	42								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR KOREAN TELECOMMUNICATIONS AUTHORITY (5EE4.1) (NEW HIRES A-LAW/MU LAW) (SEE NOTES 56,59 & 65).		DA	43								

TABLE-A CONTINUED

ED5X216-30

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 IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR ITAL TEL. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56, 59 & 65).		DA	44								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TELEFONICA, ESPANA (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	45								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TAIWAN GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (NEW HIRES A-LAW) (SEE NOTES 56,59 & 65).		DA	46								
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUPS 37 THRU 46 TO PROVIDE A CHARGE FOR PRODUCING A MASTER OPTICAL DISK FOR OSPS OPERATOR TRAINING FOR NEW HIRES FOR THE 5EE4.1 GENERIC. <5EE4.1>		DA	47								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR SINGAPORE GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	48								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TAIWAN NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS MU-LAW) (SEE NOTES 56,59 & 65).		DA	49								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR ARUBA GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	50								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR WUHAN NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	51								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR MINISTRY OF RAILWAYS BEIJING-PRC NATIONAL TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	52								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR GABATAN TELEKOM BRUNEI (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	53								

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
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EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A5 OF 54

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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 1 TO PROVIDE OPTICAL DISKS FOR KOREAN TELECOMMUNICATIONS AUTHORITY. (5EE4.1) (EXP OPERATORS A-LAW/MU-LAW) (SEE NOTES 56,59 & 65).		DA	54								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR ITAL TEL (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	55								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TELEFONICA ESPANA. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56,59 & 65).		DA	56								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE OPTICAL DISKS FOR TAIWAN GATEWAY TRAFFIC ASSISTANCE. (5EE4.1) (EXP OPERATORS A-LAW) (SEE NOTES 56, 59 & 65).		DA	57								
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUPS 48 THRU 57 TO PROVIDE A CHARGE FOR PRODUCING A MASTER OPTICAL DISK FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE <5EE4.1>		DA	58								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 7 OR 63 TO PROVIDE ADAPTER WITH MU-LAW VOICE OPERATING AT 120 VAC, 60 HZ. DA EFF:02/02/93 FE/RA:NONE		DA	59								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 8 OR 64 TO PROVIDE ADAPTER WITH MU-LAW VOICE OPERATING AT 220 VAC, 50 HZ. DA EFF:02/02/93 FE/RA:NONE		DA	60								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 9 OR 63 TO PROVIDE ADAPTER WITH A-LAW VOICE OPERATING AT 120 VAC, 60 HZ. DA EFF:02/02/93 FE/RA:NONE		DA	61								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 10 OR 64 TO PROVIDE ADAPTER WITH A-LAW VOICE OPERATING AT 220 VAC, 50 HZ. DA EFF:02/02/93 FE/RA:NONE		DA	62								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A PANASONIC WORM DRIVE TRAINER OPERATING AT 120 VAC, 60 HZ. (SEE NOTES 56,59 & 60). DA EFF:03/19/91 FE/RA:NONE		DA	63								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A PANASONIC WORM DRIVE TRAINER OPERATING AT 220 VAC, 50 HZ. (SEE NOTES 56,59 & 60). DA EFF:03/19/91 FE/RA:NONE		DA	64								
REQUIRED IN ADDITION TO LISTS SPECIFYING OPTICAL DISKS. (PROVIDES DUPLICATION SET-UP CHARGE). (SEE NOTE 66). DA EFF:02/04/94 FE/RA:NONE		DA	65								
TABLE-A CONTINUED											

ED5X216-30

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 OPERATOR SERVICE CENTER/FORCE MANAGEMENT CENTER BASIC SERVICE, 110V 60HZ. (SEE NOTE 67) <5EE4.1> DA EFF:02/02/93 FE:ED5X216-30,G85		DA	66	1							
EQUIPMENT REQUIRED FOR OPERATOR SERVICE CENTER/FORCE MANAGEMENT CENTER BASIC SERVICE, 220V 50HZ. (SEE NOTE 61 & 67). <5EE4.1> DA EFF:02/02/93 FE:ED5X216-30,G85		DA	67	1							
REQUIRED IN ADDITION TO GROUP 67 FOR 220V 50HZ APPLICATION. BRITISH STANDARD. DA EFF:02/02/93 FE/RA:NONE		DA	68	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 66, 85 - 85B IF THE DISTANCE BETWEEN THE 3B2 OR SUN AND THE SWITCH IS GREATER THAN 1KM (.6 MI) BUT LESS THAN 10 KM (6 MI), 110V, 60 HZ. DA EFF:11/13/98 FE/RA:NONE		DA	69	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 66 IF THE DISTANCE BETWEEN THE 3B2 COMPUTER AND THE SWITCH IS GREATER THAN 10 KM (6 MI) BUT LESS THAN 320 KM (200 MI), 110V, 60HZ. DA EFF:02/02/93 FE/RA:NONE		DA	70	1							
CABLING REQUIRED IN ADDITION TO GROUPS 66 OR 67 IF THE DISTANCE BETWEEN THE 3B2 COMPUTER AND THE SWITCH IS LESS THAN 1 KM (.6 MI). DA EFF:02/02/93 FE/RA:NONE		DA	71	1							
CABLING REQUIRED IN ADDITION TO GROUPS 69 OR 70 IF THE DISTANCE BETWEEN THE 3B2 COMPUTER AND THE SWITCH IS GREATER THAN 1 KM (.6 MI). DA EFF:02/02/93 FE/RA:NONE		DA	72	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE AN OPTICAL DISK, NOT CUSTOMER SPECIFIC, FOR OSPS OPERATOR TRAINING NEW HIRES AND EXPERIENCED OPERATORS. (A-LAW) (5EE4.1 GENERIC) <5EE4.1>		DA	73								
TABLE-A CONTINUED											

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
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EXPORTDWG SIZE
C2ISSUE
34

LUCENT TECHNOLOGIES INC

ED5X216-30

SHEET A6
OF 54

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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 1 TO PROVIDE AN A-LAW OPTICAL DISK CONTAINING NON-CUSTOMER SPECIFIC LESSON MATERIAL FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE4.1 GENERIC. <5EE4.1>. DA EFF:02/02/93 FE/RA:NONE		DA	74								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A MU-LAW OPTICAL DISK CONTAINING NON-CUSTOMER SPECIFIC LESSON MATERIAL FOR OSPS OPERATOR TRAINING FOR EXPERIENCED OPERATORS FOR THE 5EE4.1 GENERIC. <5EE4.1>. DA EFF:02/02/93 FE/RA:NONE		DA	75								
REQUIRED WITH THERMAL PRINTERS SERIAL NUMBERS 228 AND LOWER TO PROVIDE SPARE PRINTER PAPER. DA EFF:05/16/97 FE/RA:NONE		DA	76								S
REQUIRED WITH THERMAL PRINTERS SERIAL NUMBERS 229 AND HIGHER TO PROVIDE SPARE PRINTER PAPER. DA EFF:05/16/97 FE/RA:NONE		DA	77								S
REQUIRED WITH DOT MATRIX PRINTERS TO PROVIDE SPARE PRINTER PAPER.			78								S
REQUIRED WITH DOT MATRIX PRINTERS TO PROVIDE SPARE RIBBONS.			79								S
REQUIRED TO PROVIDE A CARDBOARD SHIPPING CONTAINER FOR ALL TRAINERS. DA EFF:05/16/97 FE/RA:NONE		DA	80								S
EQUIPMENT REQUIRED IN ADDITION TO GROUP 67 IF THE DISTANCE BETWEEN THE 3B2 COMPUTER AND THE SWITCH IS GREATER THAN 1 KM (.6 MI) BUT LESS THAN 10 KM (6 MI), 220V, 50HZ. DA EFF:02/02/93 FE/RA:NONE		DA	81	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 67 IF THE DISTANCE BETWEEN THE 3B2 COMPUTER AND THE SWITCH IS GREATER THAN 10 KM (6 MI) BUT LESS THAN 320 KM (200 MI), 220V, 50HZ. DA EFF:02/02/93 FE/RA:NONE		DA	82	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 66 OR 67 FOR ONE 7B DIRECT INTELLIGENT INTERFACE (DII). (SEE FIG. 11). DA EFF:02/02/93 FE/RA:NONE		DA	83	1							
EQUIPMENT REQUIRED FOR OSC/FMC IN ADDITION TO GROUPS 66 & 67 TO EXPAND MEMORY FROM 2MB TO 4MB. IF OAP IS USED IN CONJUNCTION WITH OSIM DA EFF:02/02/93 FE/RA:NONE		DA	84	1							
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) MONOCHROME SUN SPARCSTATION 2. DA EFF:02/17/93 FE:ED5X216-30,G85A	79	DA	85	1	ED5X216-30	12					

TABLE-A CONTINUED

ED5X216-30

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 OSPS ADMINISTRATIVE PROCESSOR (OAP) MONOCHROME SUN SPARCSTATION 2. 220V, 50HZ. REPL:ED5X216-30,G85 DA EFF:06/17/94 FE:ED5D016-30,G85B	79	DA	85A	1	ED5X216-30	14.16					
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) COLOR SUN SPARCSTATION 5 USING SOLARIS 1.X FOR 5EE5.2 TO 5EE6.2 <5EE5.2 TO 5EE6.2> REPL:ED5X216-30,G85A	79		85B	1	ED5X216-30	14.16					
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) IN ADDITION TO GROUP 85, 85A FOR ONE COLOR SUN SPARCSTATION 2 DA EFF:05/16/97 FE/RA:NONE		DA	86	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85, 85A, 90 OR 96. PROVIDES ONE PARALLEL PORT AND EIGHT SERIAL PORTS (MAX. 5 GROUP 87'S PER GROUP 90), (PROGRAM RELEASE 5EE5(2) WILL SUPPORT UP TO 18 TERMINALS AND 18 PRINTERS) <5EE5(2)> DA EFF:05/28/99 FE/RA:NONE		DA	87	1							
EQUIPMENT REQUIRED FOR ONE COLOR ADMINISTRATIVE CRT AND PLUG. DA EFF:11/13/98 FE/RA:NONE	61	DA	88	1							
SOFTWARE REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) IN ADDITION TO GROUP 85 FOR SOFTWARE RELEASE 5EE5(2). <5EE5(2)> REPL:NONE DA EFF:02/04/94 FE:ED5X216-30,G93		DA	89								
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) IN ADDITION TO GROUP 85, 85A. PROVIDES ONE 6-SLOT SBUS EXPANSION BOX. REPL:NONE DA EFF:12/31/99 FE/RA:NONE		DA	90								
EQUIPMENT REQUIRED TO PROVIDE BASIC 230V, 50HZ SERVICE FOR BT-AVR. DA EFF:11/13/98 FE/RA:NONE		DA	91								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85, 85A OR 85B FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES ONE ADMINISTRATIVE TERMINAL (110/220VAC, 50/60HZ). REPL:ED5X216-30,G16 DA EFF:11/29/95 FE:ED5X216-30,G92B		DA	92								

TABLE-A CONTINUED

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BT13

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TERMINAL AND PROCESSOR CONNECTION
FOR
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DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A7 OF 54

PRINTED IN U.S.A.

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 85, 85A OR 85B FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES ONE ADMINISTRATIVE TERMINAL (220VAC 50HZ). REPL:ED5X216-30,G92 DA EFF:11/13/98 FE:ED5X216-30,G92C		DA	92A								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85, 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES ONE ADMINISTRATIVE TERMINAL (110VAC 60HZ.) REPL:ED5X216-30,G92 DA EFF:11/13/98 FE:ED5X216-30,G92C		DA	92B								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85, 85A OR 85B FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES ONE ADMINISTRATIVE TERMINAL (110/220VAC 50/60HZ). REPL:ED5X216-30,G92A			92C								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 85, 85A & 94. PROVIDES INFORMIX RUN-TIME FOR EVENT LINK APPLICATION. OPTIONAL 5EE5.2 IF: OSPS - EVENT DRIVEN ADMINISTRATIVE INTERFACE FOR TA, LS CACD ALSO KNOWN AS CUSTOMIZED REPORT WRITING (CRW) FEATURE IS NOT REQUIRED. REQUIRED FOR 5EE6 AND LATER. DA EFF:09/30/94 FE:ED5X216-30,G93A	75	DA	93								
SOFTWARE REQUIRED IN ADDITION TO GROUP 85B. PROVIDES FOR INFORMIX ON-LINE ENGINE AND RUN-TIME FOR EVENT LINK APPLICATION. REQUIRED FOR 5EE7.1 OR LATER. REPL:ED5X216-30,G93			93A								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 85, 85A. PROVIDES INFORMIX 4GL RUN-TIME FOR CUSTOMIZED REPORT WRITING (CRW) APPLICATIONS. REPL:ED5X216-30,G89 DA EFF:09/30/94 FE:ED5X216-30,G94A		DA	94								
SOFTWARE REQUIRED IN ADDITION TO GROUP 85B PROVIDES FOR INFORMIX 4GL RUNTIME FOR CUSTOMIZED REPORT WRITING (CRW) APPLICATION REQUIRED FOR 5EE7.1 OR LATER. REPL:ED5X216-30,G94			94A								
SOFTWARE REQUIRED IN ADDITION TO GROUP 85, 85A. PROVIDES CUSTOMIZED REPORT WRITING (CRW) SOFTWARE.	84		95								
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) MONOCHROME SUN SPARCSTATION 2 WHEN ONLY ONE (1) AT AND ONE (1) AP (MAXIMUM) AND NO CUSTOM REPORT WRITING (CRW) FUNCTION IS REQUIRED. DA EFF:06/17/94 FE/RA:NONE		DA	96	1	ED5X216-30	FIG. 14					
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) COLOR SUN SPARCSTATION10 WHEN ONLY ONE (1) AT AND ONE (1) AP (MAXIMUM) AND NO CUSTOM REPORT WRITING (CRW) FUNCTION IS REQUIRED. REPL:NONE DA EFF:06/17/94 FE/RA:NONE		DA	96A	1	ED5X216-30	FIG. 14					

TABLE-A CONTINUED

ED5X216-30

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 BASE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARCSTATION 10 USING SOLARIS 2X FOR 5EE7.1 OR LATER. OR AS A PROCESSOR FOR NETWORK MANAGEMENT ORDER MUST INCLUDE A COUNTRY KIT GROUP 105, 106 OR 107. <SEE 7.1 OR LATER> REPL:NONE DA EFF:05/16/97 FE:ED5X216-30,G97A	92	DA	97	1	ED5X216-30	16					
EQUIPMENT REQUIRED FOR ONE BASE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARC ULTRA 1, USING SOLARIS 2.X FOR 5EE10.1 OR LATER. SEE GROUPS KB20 TO KB40 FOR COUNTRY KITS GRP'S. SW10 TO SW29 FOR SOFTWARE <SEE 10.1 OR LATER> REPL:NONE DA EFF:11/13/98 FE:ED5X216-30,G97B		DA	97A								
EQUIPMENT REQUIRED FOR ONE BASE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARC ULTRA 10, USING SOLARIS 2.6 FOR 5EE10.1 OR LATER. SEE GROUPS KB20 TO KB40 FOR COUNTRY KITS GRP'S. SW10 TO SW29 FOR SOFTWARE <SEE 10.1 OR LATER> REPL:NONE	94		97B								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 EQUIPPED WITH GROUP AD OR AE AND AF, NOT CO-LOCATED, MORE THAN 2.5KM (1.5 MI) USING STANDALONE DSU'S FOR JAPAN. REPL:NONE	85 86		98	1	ED5X216-30	17					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 EQUIPPED WITH GROUP AD OR AE AND AF, FOR OAP NOT CO-LOCATED, MORE THAN 2.5 KM (1.5 MI) USING A CARRIER MULTIPLE MOUNTING WITH RACK MOUNTED DSU'S IN PLACE OF THE STANDALONE DSU FOR JAPAN. REPL:NONE	85 86		99	1	ED5X216-30	17					
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE OPER SYS, DSP SYS & CHAR GEN FIRMWARE. (SEE NOTE 54 & 64). DA EFF:11/29/95 FE/RA:NONE		DA	100		ED5X217-30	1					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE REPLACEMENT OPER SYS FIRMWARE. (SEE NOTE 54 & 64). DA EFF:02/04/94 FE/RA:NONE		DA	101		ED5X217-30	2					

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A8 OF 54

PRINTED IN U.S.A.

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-1 TO PROVIDE REPLACEMENT DSP SYS FIRMWARE. (SEE NOTE 54 & 64). DA EFF:02/04/94 FE/RA:NONE		DA	102		ED5X217-30	3					
EQUIPMENT REQUIRED IN ADDITION TO GROUP-1 TO PROVIDE REPLACEMENT CHAR GEN FIRMWARE. (SEE NOTE 54 & 64). DA EFF:02/04/94 FE/RA:NONE		DA	103		ED5X217-30	4					
MODEM REQUIRED IN ADDITION TO GROUP 99 TO PROVIDE FOR REMOTING OF OAP MORE THAN 2.5 KM USING A CARRIER MULTIPLE MOUNTING DSU'S FOR JAPAN. REPL:NONE	85 86		104	1	ED5X216-30	17					
EQUIPMENT AND SOFTWARE REQUIRED IN ADDITION TO GROUP 97 TO PROVIDE THE ENGLISH VERSION OF THE SOLARIS OPERATING SYSTEM VERSION 2.3 AND ENGLISH KEYBOARD FOR U.S. AND CANADA. REPL:NONE	86		105								
EQUIPMENT AND SOFTWARE REQUIRED IN ADDITION TO GROUP 97 TO PROVIDE THE JAPANESE VERSION OF THE SOLARIS OPERATING SYSTEM VERSION 2.3 AND JAPANESE KEYBOARD. REPL:NONE	86		106								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 PROVIDES A UNIVERSAL COUNTRY KIT, UNIX UNIVERSAL, FOR ALL COUNTRIES EXCEPT THE U.S. AND CANADA. REPL:NONE			107								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97. PROVIDES ONE ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK FOR ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE FROM THE OAP TO THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15 M (50'). REPL:NONE	85		111	1	ED5X216-30	17					
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 AND 116 OR 117 OR 118 FOR AN ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE FROM THE OAP TO THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50'). RACK MOUNTED MODEM. REPL:NONE			112								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 & 124 OR 125. PROVIDES ONE COLOR MONITOR FOR ONE ENGLISH GROUP 124 OR ONE JAPANESE GROUP 125 GRAPHICS TERMINAL. DA EFF:11/13/98 FE:ED5X216-30,GRP 164C OR D		DA	113								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97. PROVIDES ONE JAPANESE ADMINISTRATIVE LASER PRINTER (AP). REPL:NONE			114								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97. PROVIDES STANDALONE DSU'S WHEN NOT CO-LOCATED. (MAX. DISTANCE 8KM (5MI)). REPL:NONE	85		115	1	ED5X216-30	15					
TABLE-A CONTINUED											

ED5X216-30

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 IN ADDITION TO GROUP 97 & 117, 118 OR 119. PROVIDES ONE RACK MOUNTED MODEM WHEN THE OAP IS NOT CO-LOCATED. (MAX. DISTANCE 8KM (5MI)). REPL:NONE	85		116								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 AND 116 IF OAP IS NOT CO-LOCATED AND A -48V CARRIER FOR THE RACK MOUNTED MODEM IS DESIRED. REPL:NONE	85		117								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 AND 116 IF OAP IS NOT CO-LOCATED AND A 110V,60HZ CARRIER IS REQUIRED FOR THE RACK MOUNTED MODEM. REPL:NONE	85		118								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 AND 116 IF OAP IS NOT CO-LOCATED AND A 220V,50HZ CARRIER IS REQUIRED FOR THE RACK MOUNTED MODEM. REPL:NONE	85		119								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 IF THE OAP IS NOT CO-LOCATED AND A 100V,50/60HZ CARRIER FOR THE RACK MOUNTED MODEMS IS REQUIRED. REPL:NONE	85		120								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 120. PROVIDES FAN UNIT, 100V,50/60HZ. REPL:NONE			121								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97. PROVIDES ONE ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE BETWEEN THE OAP AND THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50') FOR JAPAN. STANDALONE MODEM. REPL:NONE	86		122								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 OR 120 PROVIDES ONE ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE BETWEEN THE OAP AND THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50') FOR JAPAN, RACK MOUNTED MODEM. REPL:NONE	86		123								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113. PROVIDES A PC KIT FOR ENGLISH GRAPHIC TERMINAL, KEYBOARD, DOS AND WINDOWS. DA EFF:11/13/98 FE/RA:NONE	86	DA	124								
TABLE-A CONTINUED											

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORTDWG SIZE
C2ISSUE
34

LUCENT TECHNOLOGIES INC

ED5X216-30

SHEET A9
OF 54

PRINTED IN U.S.A.

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 113. PROVIDES A PC KIT FOR JAPANESE GRAPHICS TERMINAL WITH KANJI KEYBOARD, DOS AND WINDOWS. REPL:NONE	86		125								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 97, SPARK-STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 113). USERS TO PROVIDE ENGLISH VERSION OF INFORMIX RUN-TIME AND SQL FOR EVENT LINK APPLICATION.			126								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 97, SPARK-STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 113). USERS TO PROVIDE ENGLISH VERSION OF INFORMIX 4GL RUN-TIME FOR CUSTOMIZED REPORT WRITER (CRW) APPLICATION.			127								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 97, SPARK-STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 113). USERS TO PROVIDE JAPANESE VERSION OF INFORMIX RUN-TIME AND SQL FOR EVENT LINK APPLICATION.			128								
SOFTWARE REQUIRED FOR OAP IN ADDITION TO GROUP 97, SPARK-STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 113). USERS TO PROVIDE JAPANESE VERSION OF INFORMIX 4GL RUN-TIME FOR CUSTOMIZED REPORT WRITER (CRW) APPLICATION.			129								
SOFTWARE REQUIRED IN ADDITION TO TO GROUP 97 FOR UP TO 16 GRAPHIC TERMINALS. PROVIDES INFORMIX RUN-TIME FOR EVENT LINK APPLICATION, ENGLISH VERSION. REPL:NONE	86		130								
SOFTWARE REQUIRED IN ADDITION TO TO GROUP 97 FOR UP TO 16 GRAPHIC TERMINALS. PROVIDES 64KB LINK, INFORMIX 4GL RUN-TIME FOR CUSTOMIZED REPORT WRITER (CRW) APPLICATION, GROUP 95 (ENGLISH), REPL:NONE	86		131								
SOFTWARE REQUIRED IN ADDITION TO TO GROUP 97 FOR UP TO 16 GRAPHIC TERMINALS. PROVIDES 64KB LINK FOR INFORMIX RUN-TIME FOR EVENT LINK APPLICATION, JAPANESE VERSION. REPL:NONE DA EFF:11/13/98 FE/RA:NONE	86	DA	132								
SOFTWARE REQUIRED IN ADDITION TO TO GROUP 97 FOR UP TO 16 GRAFIC TERMINALS. PROVIDES INFORMIX 4GL RUN-TIME FOR CUSTOMIZED REPORT WRITER (CRW) APPLICATION, JAPANESE VERSION. REPL:NONE DA EFF:11/13/98 FE/RA:NONE	86	DA	133								
SOFTWARE REQUIRED TO PROVIDE THE OAT WITH NFS COMMUNICATIONS SOFTWARE AND DOCUMENTATION.			134								
SINGLE LICENCE FOR THE PC-NFSPRO SOFTWARE USED FOR THE ADMINISTRATIVE TERMINAL. (OAT)			135								
EQUIPMENT REQUIRED FOR ONE OAP GATEWAY ROUTER FOR AN ISDN LINK FOR AN OFFICE ADMINISTRATIVE TERMINAL (OAT). (MAX. 46 USERS PER GROUP 136, ONE PER 5ESS"RG). REPL:NONE			136								

TABLE-A CONTINUED

ED5X216-30

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 IN ADDITION TO GROUP 136. PROVIDES AN ISDN T1 PRA LINK FOR 1 TO 23 OFFICE APPLICATION TERMINALS (OAT). (MAX. ONE PER 5ESS"RG). REPL:NONE	89		137								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 136. PROVIDES FOR AN ETHERNET INTERFACE TO THE OAP. REPL:NONE	89		138								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113. PROVIDES AN ISDN CARD FOR A LINK FROM THE GRAPHICS ADMINISTRATIVE TERMINAL (OAT) TO THE 5ESS T-CARD. (MAX. ONE PER OAT). REPL:NONE	85 86 89		139	1	ED5X216-30	16					
EQUIPMENT REQUIRED TO PROVIDE A HUB FOR AN ISDN LINK TO THE OAP. (ONE PER OAP, MAX. 4 PER GROUP 136). REPL:NONE		NRTO	140								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 136 TO PROVIDE THE OPTIONAL CONVERSION OF THIN ETHERNET TO TWISTED PAIRED ETHERNET CABLE BETWEEN THE GATEWAY AND THE HUB FOR AN ISDN LINK FOR OAP. (MAX. ONE PER GROUP 136). REPL:NONE			141								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113. PROVIDES A REMOTE ISDN LINK FOR OAP IF DISTANCE FROM T-CARD TO OAP EXCEEDS 1 KM. ONE FOR THE HOST AND ONE FOR THE REMOTE SITE. DA EFF:11/29/95 FE:ED5X216-30,G154		DA	142								
SOFTWARE REQUIRED IN ADDITION TO TO GROUP 97. PROVIDES CUSTOMIZED REPORT WRITER (CRW) FOR SPARCSTATION 10, JAPANESE VERSION. DA EFF:11/13/98 FE/RA:NONE		DA	143								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 145. PROVIDES FOR THE CONVERSION FROM V.35 TO T1. REPL:NONE			144								
EQUIPMENT REQUIRED TO PROVIDE AN OAP ISDN LINK TO OATS. (MAX. ONE PER 5ESS"RG). REPL:NONE			145								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 136 TO PROVIDE FOR A DUAL PRI LINK FROM THE 5ESS(RG) TO OTAS REQUIRED FOR MORE THAN 23 OAT'S.	89		146								

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A10 OF 54

PRINTED IN U.S.A.

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 137 OR 146 IF A SECOND PRI CARD (GROUP 137 OR 146 IN ANY COMBINATION) IS ORDERED. REPL:NONE			147								
HARDWARE AND SOFTWARE REQUIRED FOR ONE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARCSTATION 5, USING SOLARIS 2.X FOR 5EE7 OR LATER. DA EFF:05/16/97 FE/RA:NONE		DA	149	1							
FASTENER KIT REQUIRED FOR THE GRAPHICS TERMINAL TO PROVIDE EARTHQUAKE PROTECTION.			150								
FASTENER KIT REQUIRED FOR THE SPARCSTATION TO PROVIDE EARTHQUAKE PROTECTION.			151								
FASTENER KIT REQUIRED FOR THE SPARCSTATION FILE SERVER TO PROVIDE EARTHQUAKE PROTECTION.			152								
EQUIPMENT REQUIRED TO PROVIDE A ETHERNET III PARALLEL TASKING 16-BIT ISA ADAPTER FOR THE OAT USING WFW3.11 OS FOR REMOTING THE OAT FROM THE OAP. REPL:NONE			153								
EQUIPMENT REQUIRED TO PROVIDE A ETHERNET PARALLEL TASKING 16-BIT ISA ADAPTER FOR REMOTING THE OAT, USING WIN95 OR WINNT OS, FOR THE OSPS ADMINISTRATIVE PROCESSOR (OAP). REPL:NONE			153A								
EQUIPMENT REQUIRED TO PROVIDE A ETHERNET EXTENDER AT THE HOST OR REMOTE SITE, FOR A REMOTE OAT REPL:NONE			154		ED5X216-30	18A					
HARDWARE AND SOFTWARE REQUIRED FOR ONE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARCSEVER 20, SINGLE 75MHZ PROCESSORS FOR LESS THAN TEN OAT'S PER OAP. USING SOLARIS 2.5 FOR 5EE8.1 OR LATER. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	155	1	ED5X216-30	28					
HARDWARE AND SOFTWARE REQUIRED FOR ONE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARCSEVER 20, DUAL 75MHZ. PROCESSORS FOR MORE THAN NINE OAT'S PER OAP. USING SOLARIS 2.5 FOR 5EE8.1 OR LATER. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	156	1	ED5X216-30	28					
EQUIPMENT REQUIRED TO UPGARDE FROM A SINGLE 75MHZ. PROCESSOR (GRP. 155) TO A DUAL 75MHZ. PROCESSOR (G156). REPL:NONE			157								
EQUIPMENT REQUIRED TO PROVIDE ONE FIBER CONVERTER FOR CONNECTING A LOCAL REMOTE OFFICE TO HOST OFFICE WITH THE DISTANCE OF LESS THAN 1 KM. REPL:NONE			158								
EQUIPMENT REQUIRED TO PROVIDE ONE 8 PORT CISCO ROUTER TO PROVIDE THE ETHERNET LINK FROM THE OAP TO THE OAT'S. (MAX 8 ETHERNET PORTS) REPL:NONE			159								

TABLE-A CONTINUED

ED5X216-30

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 ONE 16 PORT CISCO ROUTER TO PROVIDE THE ETHERNET LINK FROM THE OAP TO THE OAT'S. (MAX 16 ETHERNET PORTS) REPL:NONE			160								
SOFTWARE REQUIRED TO PROVIDE THE OAT WITH NFS COMMUNICATIONS SOFTWARE AND DOCUMENTATION. REPL:NONE			161								
EQUIPMENT REQUIRED TO PROVIDE ONE DSU FOR AN E1 CONNECTION FROM THE OAP TO THE REMOTE OSC, FOR DISTANCE GREATER THAN 1 KM. (110V 60HZ.) REPL:NONE			162								
EQUIPMENT REQUIRED TO PROVIDE ONE DSU FOR AN E1 CONNECTION FROM THE OAP TO THE REMOTE OSC, FOR DISTANCE GREATER THAN 1 KM. (220V 50HZ.) REPL:NONE			163								
EQUIPMENT REQUIRED TO PROVIDE ONE GRAPHICS TERMINAL PC BASED 486DX/66 PROCESSOR WITH 8MB MEMORY, 15" COLOR MONITOR ENGLISH KEYBOARD. REPL:NONE DA EFF:04/29/96 FE:ED5X216-30,G164A		DA	164								
EQUIPMENT REQUIRED TO PROVIDE ONE GRAPHICS TERMINAL PC BASED PENTIUM PROCESSOR WITH 16MB MEMORY, 15" COLOR MONITOR ENGLISH KEYBOARD. REPL:ED5X216-30,G164 DA EFF:05/16/97 FE:ED5X216-30,G164C		DA	164A								
EQUIPMENT REQUIRED TO PROVIDE ONE GRAPHICS TERMINAL PC BASED PENTIUM PROCESSOR WITH 16MB MEMORY, 17" COLOR MONITOR ENGLISH KEYBOARD. REPL:ED5X216-30,G164 DA EFF:05/16/97 FE:ED5X216-30,G164C		DA	164B								
EQUIPMENT REQUIRED TO PROVIDE ONE OAT, GRAPHICS TERMINAL, PC BASED PENTIUM PROCESSOR WITH 16MB MEMORY, 17" COLOR MONITOR ENGLISH KEYBOARD. REPL:ED5X216-30,G164A DA EFF:11/13/98 FE:ED5X216-30,G164F		DA	164C								
EQUIPMENT REQUIRED TO PROVIDE ONE OAT, GRAPHICS TERMINAL, PC BASED PENTIUM PROCESSOR WITH 16MB MEMORY, 17" COLOR MONITOR LESS KEYBOARD. FOR KEYBOARD SEE GROUPS KB1 TO KB19. REPL:NONE DA EFF:11/13/98 FE:ED5X216-30,G164E		DA	164D								

TABLE-A CONTINUED

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BT13

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TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE
C2

ISSUE
34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET All
OF 54

PRINTED IN U.S.A.

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 ONE OAT, GRAPHICS TERMINAL, PC BASED PENTIUM PROCESSOR WITH 64MB MEMORY, 17" COLOR MONITOR LESS KEYBOARD. FOR KEYBOARD SEE GROUPS KB1 TO KB19. REPL:ED5X216-30,G164D DA EFF:05/28/99 FE:ED5X216-30,G164G		DA	164E								
EQUIPMENT REQUIRED TO PROVIDE ONE OAT, GRAPHICS TERMINAL, PC BASED PENTIUM PROCESSOR WITH 64MB MEMORY, 17" COLOR MONITOR ENGLISH KEYBOARD. REPL:ED5X216-30,G164C DA EFF:05/28/99 FE:ED5X216-30,G164H		DA	164F								
EQUIPMENT REQUIRED TO PROVIDE 1 OAT, GRAPHICS TERMINAL, PC BASED PENTIUM II PROCESSOR 400MHZ WITH 64MB MEMORY, 17" COLOR MONITOR LESS KEYBOARD. FOR KEYBOARD SEE GROUPS KB1 TO KB19. REPL:ED5X216-30,G164E			164G								
EQUIPMENT REQUIRED TO PROVIDE 1 OAT, GRAPHICS TERMINAL, PC BASED PENTIUM II 400MHZ PROCESSOR WITH 64MB MEMORY, 17" COLOR MONITOR ENGLISH KEYBOARD. REPL:ED5X216-30,G164F			164H								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 220VAC 50HZ. DA EFF:11/14/96 FE:ED5X216-30,G165A		DA	165								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 220VAC 50HZ. REPL:ED5X216-30,G165 DA EFF:11/13/98 FE:ED5X216-30,G165B		DA	165A								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 220VAC 50HZ. REPL:ED5X216-30,G165A			165B								
EQUIPMENT REQUIRED TO PROVIDE ONE ORGS LASER PRINTER. (220VAC 50HZ.) REPL:NONE DA EFF:05/28/99 FE:ED5X216-30,G165D		DA	165C								
EQUIPMENT REQUIRED TO PROVIDE ONE LASER JET 4000N NETWORK PRINTER E/W 8MB RAM AND TWO PAPER TRAYS FOR 220VAC 50HZ. REPL:ED5X216-30,G165C			165D								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 110VAC 60HZ. DA EFF:11/14/96 FE:ED5X216-30,G166A		DA	166								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 110VAC 60HZ. REPL:ED5X216-30,G166 DA EFF:11/13/98 FE:ED5X216-30,G166B		DA	166A								
EQUIPMENT REQUIRED TO PROVIDE ONE OSPS ADMINISTRATIVE LASER PRINTER (AP) 110VAC 60HZ. REPL:ED5X216-30,G166A			166B								
EQUIPMENT REQUIRED TO PROVIDE ONE LASER JET 4000N NETWORK PRINTER E/W 8MB RAM AND TWO PAPER TRAYS FOR 110VAC 60HZ. REPL:NONE			166C								

TABLE-A CONTINUED

ED5X216-30

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 FOR ONE ETHERSWITCH 15 PORTS. (220V 50HZ) REPL:NONE			167	1	ED5X216-30	28					
EQUIPMENT REQUIRED TO PROVIDE FOR ONE ETHERSWITCH 15 PORTS. (110V 60HZ) REPL:NONE		NRTO	168	1	ED5X216-30	28					
EQUIPMENT REQUIRED TO PROVIDE ONE MODEM (DIAL-IN 220V 50HZ) REPL:NONE			169								
EQUIPMENT REQUIRED TO PROVIDE ONE MODEM (DIAL-IN 110V 60HZ) REPL:NONE			170								
EQUIPMENT REQUIRED TO PROVIDE FOR ONE ETHERSWITCH EPS-500B-M002 (220V 50HZ) 5 PORTS REPL:NONE			171								
EQUIPMENT REQUIRED TO PROVIDE FOR ONE ETHERSWITCH EPS-500B-M002 (220V 50HZ) 5 PORTS. REPL:NONE		NRTO	172								
FULL DOCUMENTATION SET, HARDCOPY FOR SOLARIS 2.5 (NO-MEDIA) REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	173								
EQUIPMENT REQUIRED TO PROVIDE FOR ONE ETHERNET HUB 8 PORTS. REPL:NONE			174								
EQUIPMENT REQUIRED FOR ONE BASE OTAS PROCESSOR, SPARC SERVER 1000 SYSTEMS ENCLOSURE, 50 MHZ XD BUS INTERNAL SUN CD 4 DRIVE. TABLETOP PACKAGE. SEE GROUPS SW1 AND SW2 FOR SW. <SEE 7.1 OR LATER> REPL:NONE			175								
EQUIPMENT REQUIRED FOR ONE BASE OTAS SYSTEM UPGRADE FOR A SPARC SERVER 1000E TO A 1001E <SEE 7.1 OR LATER> REPL:NONE			176								
EQUIPMENT REQUIRED FOR ONE STORAGE ARRAY MODEL 112 FOR OTAS <SEE 7.1 OR LATER> REPL:NONE			177								
EQUIPMENT REQUIRED FOR ONE VHS TAPE BACKUP SYSTEM FOR OTAS. <SEE 7.1 OR LATER> REPL:NONE		NRTO	180								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85B, 97, 97A, 155 OR 156 PROVIDES FOR 16 RS232 PORTS FOR RELEASE 5EE7.1 OR LATER. SUPPORTS UP TO 16 PRINTERS. REPL:NONE			181	1							

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE
C2

ISSUE
34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET
OF
A12
54

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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 TO PROVIDE FOR ONE ETHERNET HUB 24 PORTS. REPL:NONE			182								
EQUIPMENT REQUIRED FOR ONE 4300 SERVER FOR (OLAP), ON LINE APPLICATION PROCECCOR REPL:NONE			183								
EQUIPMENT REQUIRED FOR ONE BASE OPERATOR REPORT GENERATION SYSTEM (ORGS) PLATFORM. FOR 5EE10.1 OR LATER. REPL:NONE			184								
HARDWARE AND SOFTWARE REQUIRED FOR ONE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, COLOR SUN SPARCSTATION 5, USING SOLARIS 2.X FOR 5EE7.1 OR LATER. FOR SMALL/MEDIUM OFFICE. SEE GROUPS 520, 521 OR 522. DA EFF:05/16/97 FE/RA:NONE		DA	500	1							
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP) COLOR SUN SPARCSTATION 5 USING SOLARIS 1.X FOR 5EE5.2 TO 5EE6.2 <5EE5.2 TO 5EE6.2> FOR SMALL/MEDIUM OFFICE. SEE GROUPS 520, 521 OR 522. FOR COUNTRY KITS. DA EFF:05/16/97 FE/RA:NONE		DA	502	1	ED5X216-30	14.					
EQUIPMENT REQUIRED FOR ONE BASE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, FOR NTT. A COLOR SPARCSTATION 10 USING JAPANESE SOLARIS 2.3 FOR 5EE7.1 <5EE7.1 OR LATER> REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	504	1	ED5X216-30	16					
EQUIPMENT REQUIRED FOR ONE BASE OSPS ADMINISTRATIVE PROCESSOR (OAP) PLATFORM, OR AS A NETWORK MANAGEMENT PROCESSOR. A COLOR SPARCSTATION 10 USING ENGLISH SOLARIS 2.3 FOR 5EE7.1 <5EE7.1 OR LATER> REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	505	1	ED5X216-30	16					
EQUIPMENT REQUIRED TO PROVIDE ONE PARALLEL AND EIGHT SERIAL PORTS. A GRP 508 IS REQUIRED STARTING WITH THE SECOND GRP 506 MAXIMUM OF 5 GRP 506'S PER GRP 508 STARTING WITH RELEASE 5EE5.2 THE OAP WILL SUPPORT UP TO 18 TERMINALS AND 18 PRINTERS) <5EE5(2)> DA EFF:05/16/97 FE/RA:NONE		DA	506	1							
EQUIPMENT REQUIRED FOR OSPS ADMINISTRATIVE PROCESSOR (OAP), PROVIDES ONE 6-SLOT SBUS EXPANSION BOX. TO PROVIDE ADDITIONAL SERIAL PORTS USING GROUP 506. MIN (2) GRP 506'S MAX (5) GRP 506'S. DA EFF:05/16/97 FE/RA:NONE		DA	508								
EQUIPMENT REQUIRED TO PROVIDE A 16KB LINK FROM THE OAP TO THE 5ESS (110V. 60HZ.) DA EFF:05/16/97 FE/RA:NONE	90	DA	510								
EQUIPMENT REQUIRED TO PROVIDE A 16KB LINK FROM THE OAP TO THE 5ESS (220V 50HZ.) DA EFF:05/16/97 FE/RA:NONE	90	DA	511								

TABLE-A CONTINUED

ED5X216-30

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 64KB LINK FROM THE OAP TO THE 5ESS (V.35) (110V 60HZ) DA EFF:05/16/97 FE/RA:NONE		DA	515								
EQUIPMENT REQUIRED TO PROVIDE A 64KB LINK FROM THE OAP TO THE 5ESS (V.35) (220V 50HZ.) DA EFF:05/16/97 FE/RA:NONE		DA	516								
EQUIPMENT AND SOFTWARE REQ. TO PROVIDE THE JAPANESE VERSION OF THE SOLARIS OPERATING SYSTEM VERSION 2.3 AND JAPANESE KEYBOARD. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	521								
EQUIPMENT REQUIRED TO PROVIDE A UNIVERSAL COUNTRY KIT, UNIX UNIVERSAL FOR ALL COUNTRIES EXCEPT THE U.S. AND CANADA. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	522								
SOFTWARE REQUIRED TO PROVIDE CUSTOMIZED REPORT WRITING (CRW) SOFTWARE. (ENGLISH VERSION) DA EFF:05/16/97 FE/RA:NONE	84	DA	525								
SOFTWARE REQUIRED TO PROVIDE OAP CUSTOMIZED REPORT WRITER (CRW) FOR SPARCSTATION 10, JAPANESE VERSION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	84	DA	526								
SOFTWARE REQUIRED TO PROVIDE THE COMMUNICATIONS SOFTWARE FOR THE ADMINISTRATIVE TERMINAL. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	528								
SOFTWARE REQUIRED FOR OAP SPARC STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 547) USERS, TO PROVIDE ENGLISH VERSION OF INFORMIX RUN-TIME, SQL AND 4GL FOR EVENT LINK APPLICATION. DA EFF:05/16/97 FE/RA:NONE	91	DA	530								
SOFTWARE REQUIRED FOR OAP SPARC STATION 10 FOR UP TO A MAXIMUM OF 32 GRAPHIC TERMINALS (GROUP 548) USERS, TO PROVIDE ALS VERSION OF INFORMIX RUN-TIME, SQL AND 4GL FOR EVENT LINK APPLICATION. DA EFF:05/16/97 FE/RA:NONE	91	DA	532								

TABLE-A CONTINUED

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FOR
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EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A13 OF 54

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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	
SOFTWARE REQUIRED FOR OAP SPARC STATION 10 FOR UP TO 16 GRAPHIC TERMINALS. PROVIDES INFORMIX RUN-TIME, SQL AND 4GL FOR EVENT LINK APPLICATION. (ENGLISH) REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	534									
SOFTWARE REQUIRED IFOR OAP SPARC STATION 10, FOR UP TO 16 GRAPHIC TERMINALS. PROVIDES FOR INFORMIX RUN-TIME, SQL & 4GL, FOR EVENT LINK APPLICATION, JAPANESE VERSION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	536									
SOFTWARE REQUIRED FOR OAP PROVIDES INFORMIX RUN-TIME FOR EVENT LINK APPLICATION. OPTIONAL 5EE5.2 IF: OSPS - EVENT DRIVEN ADMINISTRATIVE INTERFACE FOR TA, LS CACD ALSO KNOWN AS CUSTOMIZED REPORT WRITING (CRW) FEATURE IS NOT REQUIRED. REQUIRED FOR 5EE6 AND LATER. DA EFF:05/16/97 FE/RA:NONE	75	DA	538									
EQUIPMENT REQUIRED FOR ONE ADMINISTRATIVE PRINTER FOR 220V, 50HZ APPLICATION. DA EFF:05/16/97 FE/RA:NONE		DA	540									
EQUIPMENT REQUIRED FOR ONE ADMINISTRATIVE PRINTER FOR 110V, 60HZ APPLICATION. DA EFF:05/16/97 FE/RA:NONE		DA	541									
EQUIPMENT REQUIRED TO PROVIDE ONE ADMINISTRATIVE LASER PRINTER FOR JAPAN REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	542									
EQUIPMENT REQUIRED TO PROVIDE ONE ADMINISTRATIVE TERMINAL FOR THE ADMINISTRATIVE PROCESSOR (OAP) (110/220VAC, 50/60HZ). DA EFF:05/16/97 FE/RA:NONE		DA	545									
EQUIPMENT REQUIRED TO PROVIDE FOR THE OAP, ONE PC KIT FOR ENGLISH GRAPHIC TERMINAL, KEYBOARD, DOS AND WINDOWS. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	547									
EQUIPMENT REQUIRED TO PROVIDE FOR OAP, ONE PC KIT, FOR JAPANESE GRAPHICS TERMINAL WITH KANJI KEYBOARD, DOS AND WINDOWS. REPL:NONE DA EFF:05/16/97 FE/RA:NONE	91	DA	548									
EQUIPMENT REQUIRED TO PROVIDE A STANDALONE DIGITAL MODEM FOR THE OAP IF NOT CO-LOCATED BUT MORE THAN 2.5KM (1.55 MI) USING STANDALONE DSU'S FOR JAPAN. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	550	1	ED5X216-30	17						

TABLE-A CONTINUED

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 FOR A DIGITAL MODEM FOR OAP IF THE DISTANCE IS MORE THAN 2.5KM (1.5 MI) USING A CARRIER MULTIPLE MOUNTING WITH RACK MOUNTED DSU'S IN PLACE OF THE STANDALONE DSU FOR JAPAN. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	551	1	ED5X216-30	17						
CARRIER REQUIRED FOR MOUNTING GROUP 551 DSU'S FOR JAPAN. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	552	1	ED5X216-30	17						
STANDALONE MODEM FOR AN ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK FOR ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE FROM THE OAP TO THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15 M (50'). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	555	1	ED5X216-30	17						
CARRIER MOUNTED VERSION OF THE STANDALONE MODEM (GRP 555) REQ FOR AN ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE FROM THE OAP TO THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50'). RACK MOUNTED MODEM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	556									
DIGITAL STANDALONE MODEM REQUIRED TO PROVIDE ONE DSU WHEN THE OAP IS NOT CO-LOCATED DISTANCE 8KM (5MI)). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	558	1	ED5X216-30	15						
CARRIER MOUNTED VERSION OF THE DSU (GRP 558) REQUIRED WHEN THE OAP IS NOT CO-LOCATED. (MAX. DISTANCE 8KM (5MI)). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	559									
CARRIER REQUIRED FOR GROUPS 556 OR 559 IF A -48V CARRIER FOR THE RACK MOUNTED MODEM IS DESIRED. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	560									

TABLE-A CONTINUED

ED5X216-30

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
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EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A14 OF 54

PRINTED IN U.S.A.

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
CARRIER REQUIRED FOR GROUPS 556 OR 559 IF A 110V, 60HZ. CARRIER IS REQUIRED FOR THE RACK MOUNTED MODEM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	561								
CARRIER REQUIRED FOR GROUPS 556 OR 559 IF A 220V 50HZ. CARRIER IS REQUIRED FOR THE RACK MOUNTED MODEM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	562								
CARRIER REQUIRED FOR GRP 566, A JAPANESE CARRIER MOUNTED MODEM, FOR 100V 50/60HZ. IF CARRIER FOR THE RACK MOUNTED MODEMS IS REQUIRED. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	563								
FAN UNIT TO BE USED WITH GRP 563 IF A FAN UNIT IS REQUIRED FOR THE 100V 50/60HZ. CARRIER. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	564								
MODEM, STANDALONE PROVIDES ONE ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE BETWEEN THE OAP AND THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50') FOR JAPAN. STANDALONE MODEM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	565								
CARRIER MOUNTED VERSION OF MODEM (GROUP 565) PROVIDES ONE ASYNCHRONOUS RS232, 4.8KB RECENT CHANGE LINK OR REMOTE ADMINISTRATIVE PRINTER (AP) IF THE DISTANCE BETWEEN THE OAP AND THE 5ESS OR THE OAP AND THE PRINTER IS MORE THAN 15M (50') FOR JAPAN, RACK MOUNTED MODEM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	566								
EQUIPMENT REQUIRED FOR ONE OAP GATEWAY ROUTER FOR AN ISDN LINK FOR AN OFFICE ADMINISTRATIVE TERMINAL (OAT). (MAX. 46 USERS PER GROUP 570, ONE PER 5ESS*RG). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	570								
EQUIPMENT REQUIRED TO PROVIDE GRP 570 WITH AN ISDN T1 PRA LINK FOR 1 TO 23 OAP ADMINISTRATIVE TERMINAL (OAT). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	571								
EQUIPMENT REQUIRED TO PROVIDE A DUAL PRI LINK FROM THE 5ESS(RG) TO OTAS, FOR GROUP 570. REQUIRED FOR MORE THAN 23 OAT'S. DA EFF:05/16/97 FE/RA:NONE		DA	572								
EQUIPMENT REQUIRED TO PROVIDE A ETHERNET INTERFACE TO THE OAP. FOR GROUP 570. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	573								

TABLE-A CONTINUED

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 IF A SECOND PRI CARD (GROUP 571 OR 572 IN ANY COMBINATION) IS ORDERED. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	574								
EQUIPMENT REQUIRED TO PROVIDE AN OAP ISDN LINK TO OATS. (MAX. ONE PER 5ESS*RG). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	575								
EQUIPMENT REQUIRED TO PROVIDE AN ISDN CARD FOR A LINK FROM THE GRAPHICS ADMINISTRATIVE TERMINAL (OAT) TO THE 5ESS T-CARD. (MAX. ONE PER OAT). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	577								
ISDN CARD REQUIRED, HARDWARE ONLY, IF SOFTWARE IS NOT REQUIRED. IF SOFTWARE IS REQUIRED SEE GROUP 577, ISDN CARD E/W SOFTWARE. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	578								
EQUIPMENT REQUIRED TO PROVIDE A HUB FOR AN ISDN LINK TO THE OAP. (ONE PER OAP, MAX. 4 PER GROUP 570). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	580								
EQUIPMENT (OPTIONAL) TO BE USED WITH GRP 570 TO PROVIDE THE CONVERSION FROM THIN ETHERNET TO TWISTED PAIRED ETHERNET CABLE BETWEEN THE GATEWAY AND THE ISDN LINK FOR OAP. (MAX. ONE PER GRP 570) REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	581								
EQUIPMENT FOR REMOTING OF GROUPS 547 OR 548, GRAPHICS TERMINAL. ISDN LINK FOR OAP IF DISTANCE FROM T-CARD TO OAP EXCEEDS 1 KM. ONE FOR THE HOST AND ONE FOR THE REMOTE SITE IS REQUIRED. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	585								
EQUIPMENT REQUIRED TO PROVIDE CONVERSION FROM V.35 TO T1 FOR THE LINK FROM THE CISCO ROUTER TO THE CUSTOMER NETWORK. DA EFF:05/16/97 FE/RA:NONE		DA	587								

TABLE-A CONTINUED

ED5X216-30

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
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DWG SIZE
C2

ISSUE
34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A15
OF 54

PRINTED IN U.S.A.

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 BASIC 230V, 50HZ SERVICE FOR BT-AVR. DA EFF:05/16/97 FE/RA:NONE		DA	600								
DOCUMENTATION REQUIRED FOR A SPARCSTATION 10, ONE HARDCOPY OF THE SOLARIS 2.X DOCUMENTATION (ONE PER OFFICE REQUIRED). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	620								
SOFTWARE REQUIRED IF THE SPARC10 IS USED AS THE PROCESSOR FOR NETWORK MANAGEMENT. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	630								
CABLING REQUIRED TO CONNECT THE OAP ROUTER TO THE OTAS ROUTER IF OAP AND OTAS ARE CO-LOCATED WITHIN A 10', (3.05M) CABLE LENGTH. DA EFF:05/16/97 FE/RA:NONE		DA	631								
CABLE REQUIRED TO PROVIDE GROUP 631 WITH A LONGER CONNECTION FOR THE OAP AND OTAS ROUTERS IF THE OAP AND OTAS ROUTERS ARE CO-LOCATED WITHIN A MAXIMUM OF 30 METERS BUT MORE THAN 3 METERS. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	633								
MOUNTING BRACKETS REQUIRED TO MOUNT GROUP 570, XYPLEX ROUTER IN A 5ESS*RG CABINET. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	634								
MOUNTING BRACKETS REQUIRED TO MOUNT GROUP 575, CISCO ROUTER TO THE 5ESS*RG CABINET. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	636								
MOUNTING HARDWARE FOR GRP'S 634 OR 636 TO 5ESS SWITCH CABINET. (ENGLISH FASTENERS) DA EFF:05/16/97 FE/RA:NONE	91	DA	638								
MOUNTING HARDWARE FOR GRP'S 634 OR 636 MOUNTING SCREWS FOR 5ESS-2000 SWITCH CABINET. (METRIC FASTENERS) DA EFF:05/16/97 FE/RA:NONE	91	DA	639								
EQUIPMENT REQUIRED TO PROVIDE ONE U.S. POWER CORD FOR THE GRAPHICS TERMINALS GROUPS 547 OR 548. DA EFF:05/16/97 FE/RA:NONE		DA	640								
EQUIPMENT REQUIRED TO PROVIDE ONE CONTINENTAL EUROPE POWER CORD IF REQUIRED FOR THE GRAPHICS TERMINALS GROUPS 547 OR 548. DA EFF:05/16/97 FE/RA:NONE		DA	641								
EQUIPMENT REQUIRED TO PROVIDE ONE U.K. POWER CORD IF REQUIRED FOR GRAPHICS TERMINAL GRP. 547. DA EFF:05/16/97 FE/RA:NONE		DA	642								
TABLE-A CONTINUED											

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 ONE AUSTRALIAN POWER CORD. IF REQUIRED FOR GRAPHICS TERMINAL GRP. 547. DA EFF:05/16/97 FE/RA:NONE		DA	643								
EQUIPMENT REQUIRED TO PROVIDE ONE ITALIAN POWER CORD IF REQUIRED FOR GRAPHICS TERMINAL GRP. 547. DA EFF:05/16/97 FE/RA:NONE		DA	644								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE PROCESSOR (OAP). FILE SERVER OPTION PACK WITH LOCAL POWER CORDS FOR CONTINENTAL EUROPE (EXCEPT ITALY AND DENMARK). REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	645								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE PROCESSOR (OAP). KEYBOARD, MOUSE AND PAD FOR LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR UNIVERSAL APPLICATIONS. REPL:NONE DA EFF:11/29/95 FE/RA:NONE		DA	646								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE PROCESSOR (OAP). FILE SERVER OPTION PACK WITH LOCAL POWER CORDS FOR ITALY. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	647								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE PROCESSOR (OAP). KEYBOARD, MOUSE AND PAD FOR LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR ITALY. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	648								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE PROCESSOR (OAP). FILE SERVER OPTION PACK WITH LOCAL POWER CORDS FOR THE UNITED KINGDOM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	649								
EQUIPMENT REQUIRED TO PROVIDE ADMINISTRATIVE MODULE (OAP). KEYBOARD, MOUSE AND PAD FOR LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR THE UNITED KINGDOM. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	650								
TABLE-A CONTINUED											

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 KEYBOARD, MOUSE AND PAD FOR THE OAP FOR LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION. REPL:NONE DA EFF:05/16/97 FE/RA:NONE		DA	651	1							
FASTENER KIT REQUIRED FOR THE GRAPHICS TERMINAL TO PROVIDE EARTHQUAKE PROTECTION. DA EFF:05/16/97 FE/RA:NONE		DA	655								
FASTENER KIT REQUIRED FOR THE SPARCSTATION TO PROVIDE EARTHQUAKE PROTECTION. DA EFF:05/16/97 FE/RA:NONE		DA	656								
FASTENER KIT REQUIRED FOR THE SPARCSTATION FILE SERVER TO PROVIDE EARTHQUAKE PROTECTION. DA EFF:05/16/97 FE/RA:NONE		DA	657								
EQUIPMENT REQUIRED IN ADDITION TO GROUP-3 TO PROVIDE I/O PORTS CARD. (MAX 11). (SEE NOTE 62). DA EFF:02/02/93 FE/RA:NONE		DA	A								
EQUIPMENT REQUIRED IN ADDITION TO GROUP-3 TO PROVIDE ADDITIONAL E PORTS CARD. (MAX 10). (SEE NOTE 62). DA EFF:02/02/93 FE/RA:NONE		DA	B								
CONNECTORIZED CABLE ASSEMBLY 7 FEET LONG.			C								
CONNECTORIZED CABLE ASSEMBLY 14 FEET LONG.			D								
CONNECTORIZED CABLE ASSEMBLY 25 FEET LONG.			E								
CONNECTORIZED CABLE ASSEMBLY 50 FEET LONG.			F								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 83 WHEN USED FOR SYNCHRONOUS DTE COMMUNICATION. DA EFF:02/02/93 FE/RA:NONE	73	DA	G	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 83 WHEN USED FOR SYNCHRONOUS DCE COMMUNICATION. DA EFF:02/04/94 FE/RA:NONE	71 74	DA	H	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 83 WHEN STANDALONE 110V AC POWER IS REQUIRED. (SEE FIG. 11). DA EFF:02/02/93 FE/RA:NONE		DA	J	1							
EQUIPMENT REQUIRED TO PROVIDE ONE MODULAR/EIA ADAPTER KIT.	71		K	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85 OR 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES FILE SERVER OPTION PACK LOCAL POWER CORDS FOR CONTINENTAL EUROPE (EXCEPT ITALY AND DENMARK). REPL:NONE			Q								

TABLE-A CONTINUED

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 85 OR 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES KEYBOARD, MOUSE AND PAD LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR UNIVERSAL APPLICATIONS. REPL:NONE DA EFF:11/29/95 FE/RA:NONE		DA	R								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85 OR 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES FILE SERVER OPTION PACK LOCAL POWER CORDS FOR ITALY. REPL:NONE			S								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85 OR 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES KEYBOARD, MOUSE AND PAD LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR ITALY. REPL:NONE			T								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85 OR 85A FOR OSPS ADMINISTRATIVE PROCESSOR (OAP). PROVIDES FILE SERVER OPTION PACK LOCAL POWER CORDS FOR THE UNITED KINGDOM. REPL:NONE			U								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85 OR 85A FOR OSPS ADMINISTRATIVE MODULE (OAP). PROVIDES KEYBOARD, MOUSE AND PAD LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION FOR THE UNITED KINGDOM. REPL:NONE			V								
EQUIPMENT REQUIRED IN ADDITION TO GRP 85,85A. PROVIDES KEYBOARD MOUSE AND PAD, LOCALIZED POWER CORD AND SYSTEM OWNERS SET DOCUMENTATION. REPL:NONE			W	1							
EQUIPMENT REQUIRED IN ADDITION TO GRP 85,85A. PROVIDES LOCAL POWER CORD FOR FILE SERVER OPTION PACK, CONTINENTAL EUROPE. REPL:NONE			X	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUP 84. PROVIDES ONE ADMINISTRATIVE TERMINAL CABLE. REPL:NONE DA EFF:02/02/93 FE/RA:NONE	77	DA	Y	1							
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 6A OR 6B. PROVIDES ONE ADMINISTRATIVE PRINTER CABLE.	77		Z	1							

TABLE-A CONTINUED

ED5X216-30

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET 17 OF 54

PRINTED IN U.S.A.

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
REQUIRED IN ADDITION TO GROUP 85A,85B OR 97. PROVIDES ONE RS232/422 INTERFACE CONVERTER, 220V, 50HZ. REPL:NONE			AA								
REQUIRED IN ADDITION TO GRP'S 85A, 85B, 97, 155 OR 156 TO PROVIDE FOR ONE RS232/422 INTERFACE CONVERTER. 110V, 60HZ. REPL:NONE			AB								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 85B OR 97 (OAP SPARCSTATION 10), TO PROVIDE FOR ONE 16KB LINK FROM THE OAP TO THE 5ESS(RG).			AC								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97, 155 OR 156 (OAP) TO PROVIDE FOR ONE, RS232/V.35 INTERFACE CONVERTER FOR 220V, 50HZ POWER REQUIREMENTS.			AD								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97, 155 OR 156 SPRAC-STATION, TO PROVIDE FOR ONE RS422/V.35 CONVERTER FOR 110V, 60HZ POWER REQUIREMENTS.			AE								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 (OAP SPARCSTATION 10), TO PROVIDE FOR ONE 64KB LINK FROM THE OAP TO THE 5ESS*RG DA EFF:04/29/96 FE:ED5X216-30,GAF		DA	AF								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97 (OAP SPARCSTATION 10), TO PROVIDE FOR ONE HARDCOPY OF THE SOLARIS 2.X DOCUMENTATION (ONE PER OFFICE REQUIRED). REPL:NONE			AG								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97 & 105 IF THE SPARC10 IS USED AS THE PROCESSOR FOR NETWORK MANAGEMENT. REPL:NONE			AH								
CABLING REQUIRED TO CONNECT THE OAP ROUTER TO THE OTAS ROUTER IF OAP AND OTAS ARE CO-LOCATED WITHIN A 10', (3.05M) CABLE LENGTH.			AI								
CABLE REQUIRED IN ADDITION TO GROUP AI TO CONNECT THE OAP ROUTER TO THE OTAS ROUTER IF THE OAP AND OTAS ROUTERS ARE CO-LOCATED WITHIN A MAXIMUM OF 30 METERS BUT MORE THAN 3 METERS. REPL:NONE			AJ								
ISDN CARD REQUIRED, HARDWARE ONLY, IF SOFTWARE IS NOT REQUIRED. IF SOFTWARE IS REQUIRED SEE GROUP 139, ISDN CARD E/W SOFTWARE. REPL:NONE	89		AK								
MOUNTING BRACKETS REQUIRED IN ADDITION TO GROUP 136 TO MOUNT THE OAP XYPLEX ROUTER IN A 5ESS CABINET. REPL:NONE			AL								
MOUNTING BRACKETS REQUIRED IN ADDITION TO GROUP 145 TO MOUNT THE OAP CISCO ROUTER IN A 5ESS CABINET. REPL:NONE			AM								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS AL OR AM. PROVIDES MOUNTING SCREWS FOR 5ESS SWITCH CABINETS (ENGLISH).	89		AN								

TABLE-A CONTINUED

ED5X216-30

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 IN ADDITION TO GROUPS AL OR AM. PROVIDES MOUNTING SCREWS FOR 5ESS-2000 SWITCH CABINETS (METRIC).	89		AO								
FIBER CABLE REQUIRED IN ADDITION TO GRP. 158 TO PROVIDE A LIGHT GUIDE LINK FOR LOCAL REMOTE SITES FOR OAP HOSTS. MAXIMUM DISTANCE OF 1KM. REPL:NONE	93		AP								
EQUIPMENT REQUIRED TO PROVIDE AN ISDN 64KB LINK FOR THE OAP TO THE 5ESS (RG). 220VAC 50HZ. REPL:ED5X216-30,GAF			AQ								
EQUIPMENT REQUIRED TO PROVIDE AN ISDN 64KB LINK FOR THE OAP TO THE 5ESS (RG). 110VAC 60HZ. REPL:ED5X216-30,GAF			AR								
APPARATUS REQUIRED IN ADDITION GROUPS 164A OR 164B (OAT'S) TO PROVIDE ADDITIONAL 8MB OF MEMORY IF MORE THAN 16MB OF MEMORY IS REQUIRED. REPL:NONE			AS								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113 (OAT) TO PROVIDE ONE U.S. POWER CORD.			BA								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113 (OAT) TO PROVIDE ONE CONTINENTAL EUROPE POWER CORD.			BB								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113 (OAT) TO PROVIDE ONE U.K. POWER CORD.			BC								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113 (OAT) TO PROVIDE ONE AUSTRALIAN POWER CORD.			BD								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 113 (OAT) TO PROVIDE ONE ITALIAN POWER CORD.			BE								
EQUIPMENT REQUIRED TO PROVIDE ONE 10A/220-230VAC(50HZ) 2.5M POWER CORD FOR INDIA. REPL:NONE			BF								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE A ENGLISH KEYBOARD 102 KEYS FOR THE UK. REPL:NONE			KB1								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE A SPANISH KEYBOARD 102KEYS. REPL:NONE DA EFF:11/13/98 FE:ED5X216-30,GKB2A		DA	KB2								

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A18 OF 54

PRINTED IN U.S.A.

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
KEYBOARD REQUIRED IN ADDITION TO GROUP 164E, (OAT) TO PROVIDE A SPANISH KEYBOARD 102 KEYS. REPL:ED5X216-30,GKB2			KB2A								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE A CHINESE CHARACTER KEYBOARD, 101 KEYS. REPL:NONE			KB3								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE A JAPANESE KEYBOARD. REPL:NONE		NRTO	KB4								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE A PORTUGUESE KEYBOARD. 102 KEYS. REPL:NONE			KB5								
KEYBOARD REQUIRED IN ADDITION TO GROUP 164D, (OAT) TO PROVIDE AN ARABIC KEYBOARD. 101 KEYS. REPL:NONE			KB6								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR THE US. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB20								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR JAPAN. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB21								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR ARABIC COUNTRIES. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB22								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR SPANISH COUNTRIES. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB23								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 US KEYBOARD EQUIPPED WITH POWER CABLES FOR EUROPE. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB24								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR PORUGESE COUNTRIES. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB25								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 97A, (OAP) TO PROVIDE A COUNTRY KIT FOR THE SUN ULTRA 1 LOCALIZED KEYBOARDS AND POWER CABLES FOR AUSTRALIA. REPL:NONE DA EFF:05/28/99 FE/RA:NONE		DA	KB26								

TABLE-A CONTINUED

ED5X216-30

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
SOFTWARE, SOLARIS, REQUIRED FOR OTAS, SPARC SERVER 1000E. <SEE 7.1 OR LATER> REPL:NONE		NRTO	SW1								
SOFTWARE, INFORMIX, REQUIRED FOR OTAS, SPARC SERVER 1000E. <SEE 7.1 OR LATER> REPL:NONE			SW2								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97A, TO PROVIDE ENGLISH SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 1, FOR 0 TO 8 USERS. REPL:NONE			SW10								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97A, TO PROVIDE ENGLISH SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 1, FOR 9 TO 16 USERS. REPL:NONE			SW11								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97A, TO PROVIDE JAPANESE SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 1, FOR 0 TO 8 USERS. REPL:NONE			SW12								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97A, TO PROVIDE JAPANESE SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 1, FOR 9 TO 16 USERS. REPL:NONE			SW13								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97B, TO PROVIDE ENGLISH SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 10, FOR 0 TO 8 USERS. REPL:NONE			SW14								
SOFTWARE REQUIRED IN ADDITION TO GROUP 97B, TO PROVIDE ENGLISH SOLARIS, X.25 AND INFORMIX FOR THE OAP SPARC ULTRA 10, FOR 9 TO 16 USERS. REPL:NONE			SW15								
SOFTWARE REQUIRED IN ADDITION TO GRP. 184 TO PROVIDE FOR ENGLISH THIRD PARTY SOFTWARE FOR ORGS. REPL:NONE			SW20								
SOFTWARE REQUIRED IN ADDITION TO GRP. 184 TO PROVIDE FOR ARABIC THIRD PARTY SOFTWARE FOR ORGS. REPL:NONE			SW21								
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE ENGLISH WIN95. REPL:NONE			SW30								

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A19 OF 54

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
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE ENGLISH WIN31. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	SW31								
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE ENGLISH WINNT. REPL:NONE			SW32								
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE JAPANESE WIN95. REPL:NONE			SW33								
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE JAPANESE WIN31. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	SW34								
SOFTWARE REQUIRED IN ADDITION TO GROUPS 164C OR D (OAT). TO PROVIDE JAPANESE WINNT. REPL:NONE			SW35								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WIN95, FOR 0 TO 8 USERS. REPL:NONE			SW40								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WIN95, FOR 9 TO 16 USERS. REPL:NONE			SW41								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WIN31, FOR 0 TO 8 USERS. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	SW42								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WIN31, FOR 9 TO 16 USERS. REPL:NONE DA EFF:11/13/98 FE/RA:NONE		DA	SW43								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WINNT, FOR 0 TO 8 USERS. REPL:NONE			SW44								
SOFTWARE REQUIRED IN ADDITION TO GRP'S 164C OR D (OAT) TO PROVIDE INFORMIX TCP/IP RUN-TIME VERSION FOR PENTUM PC WINNT, FOR 9 TO 16 USERS. REPL:NONE			SW45								
WIRING REQUIRED IN ADDITION TO LIST AF. PROVIDES CABLING FROM THE OAP TO THE 5ESS*RG. REPL:NONE	87		WA								
WIRING REQUIRED IN ADDITION TO GROUP 136. PROVIDES T1 CABLES (100 OHM) BETWEEN THE DF12T AND THE ROUTER. (MAX. 100M, 328 FT) REPL:NONE	88		WB								
END OF TABLE-A											

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

ED5X216-30

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET A20 OF 54

FIG. 1
DIST FR T-INTERFACE CONNECTION
FOR VIDEO DISPLAY TERMINAL

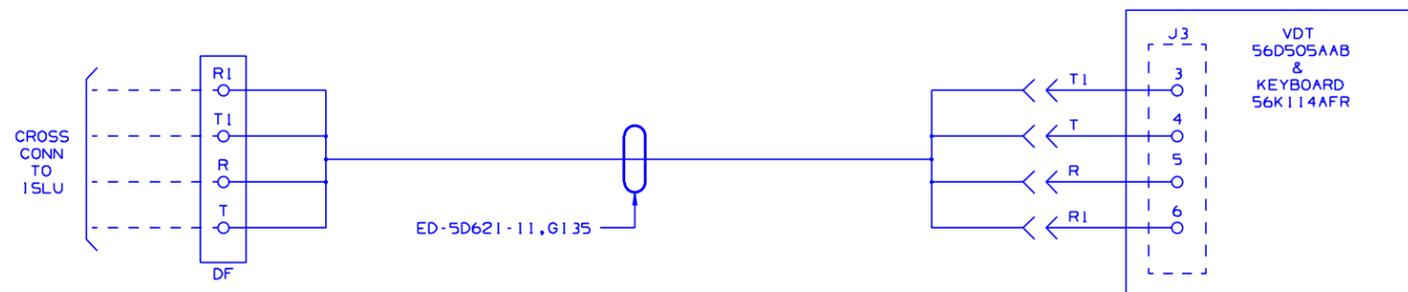


FIG. 3
ADMINISTRATION CRT
SEE NOTE 61 & 62
"DA"

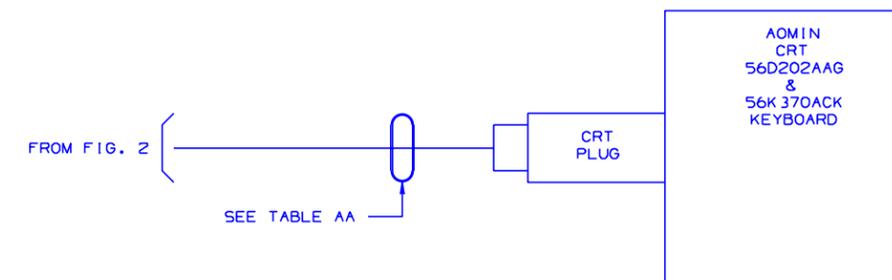


FIG. 2
OPERATOR ADMINISTRATION PROCESSOR
AND ASSOCIATED EQUIPMENT
SEE NOTE 62

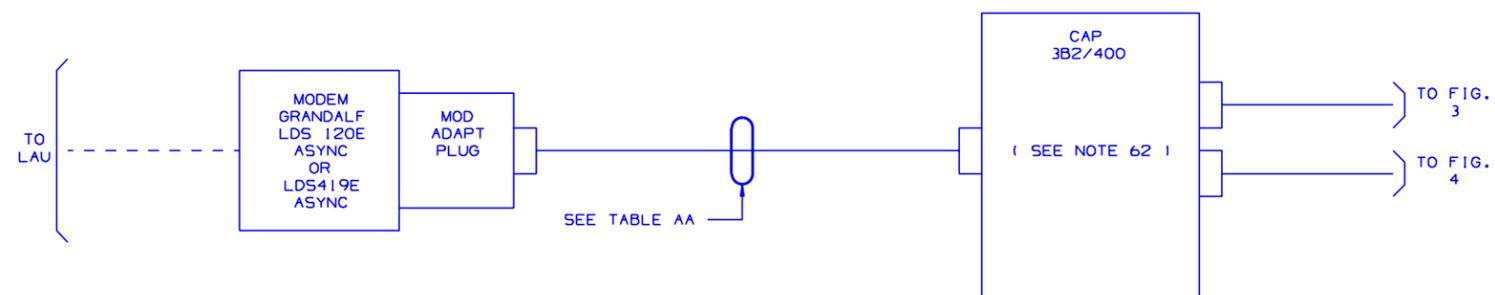


FIG. 4
ADMINISTRATION PRINTER
SEE NOTE 62

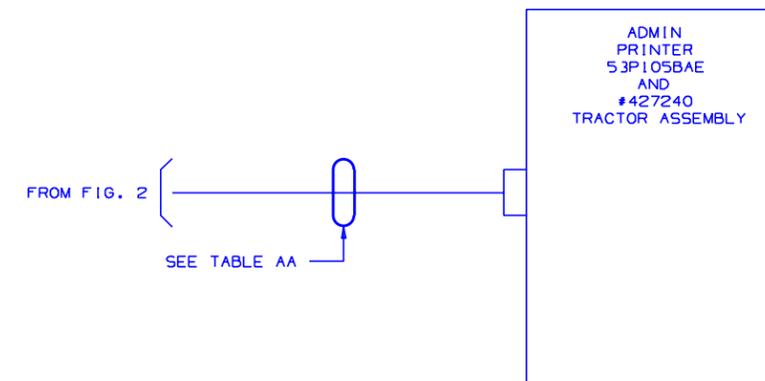


TABLE AA	
RS 232 CABLE	
GRP	FEET
C	7
D	14
E	25
F	50

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OPERATOR SERVICE POSITION SYSTEM
EXPORT

DWG SIZE
C2

ISSUE
29

LUCENT TECHNOLOGIES INC

ED5X216-30

SHEET
B1

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FIG. 5
KS23364 TRAINER TO VDT
INTERFACE

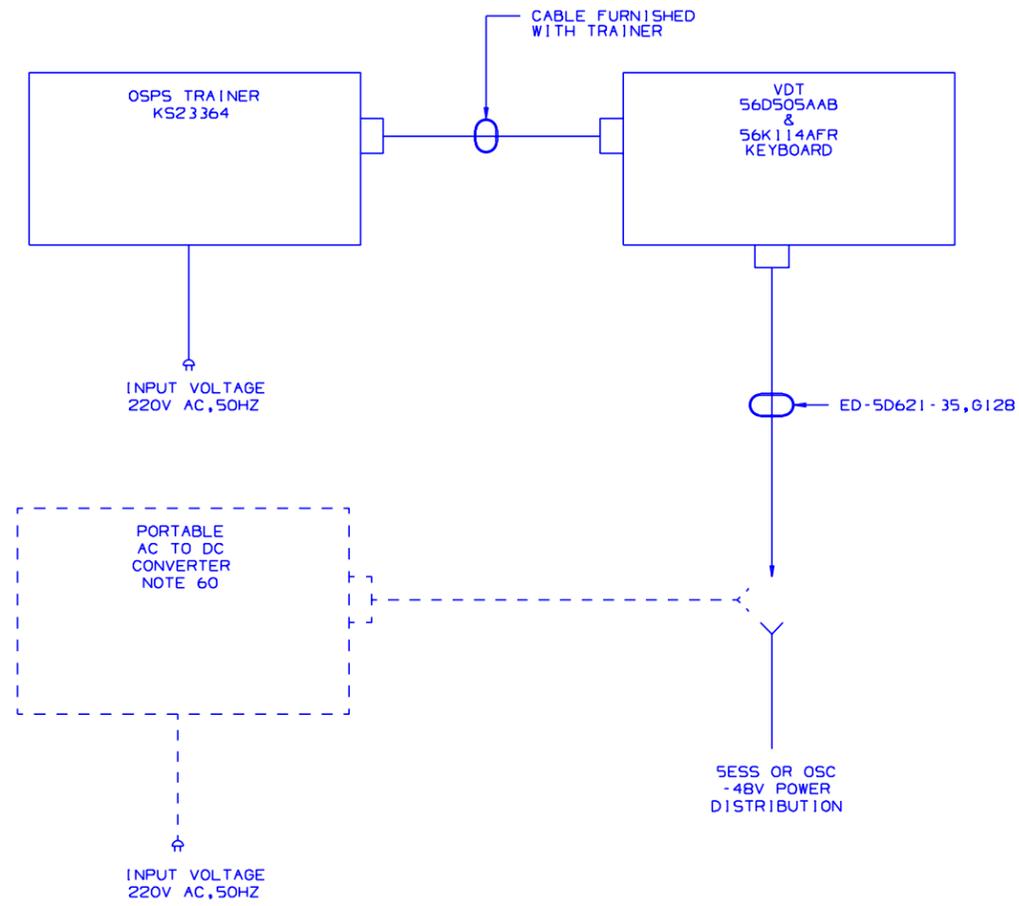
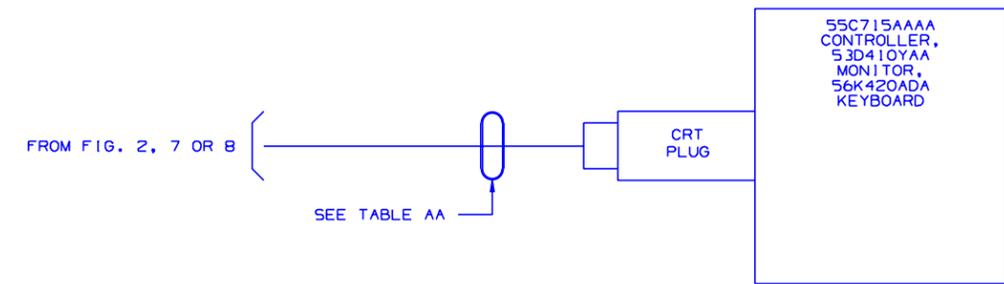


FIG. 6
ADMINISTRATION CRT
SEE NOTE 61 & 62



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OPERATOR SERVICE POSITION SYSTEM
EXPORT

DWG SIZE C2	ISSUE 30
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LUCENT TECHNOLOGIES INC	ED5X216-30 PRINTED IN U.S.A.	SHEET B2
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FIG. 7
 OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
 OSC/FMC
 CONFIGURATION FOR GREATER THAN 1 KM (.6 MI) BETWEEN
 THE 3B2 COMPUTER AND THE SESS® SWITCH

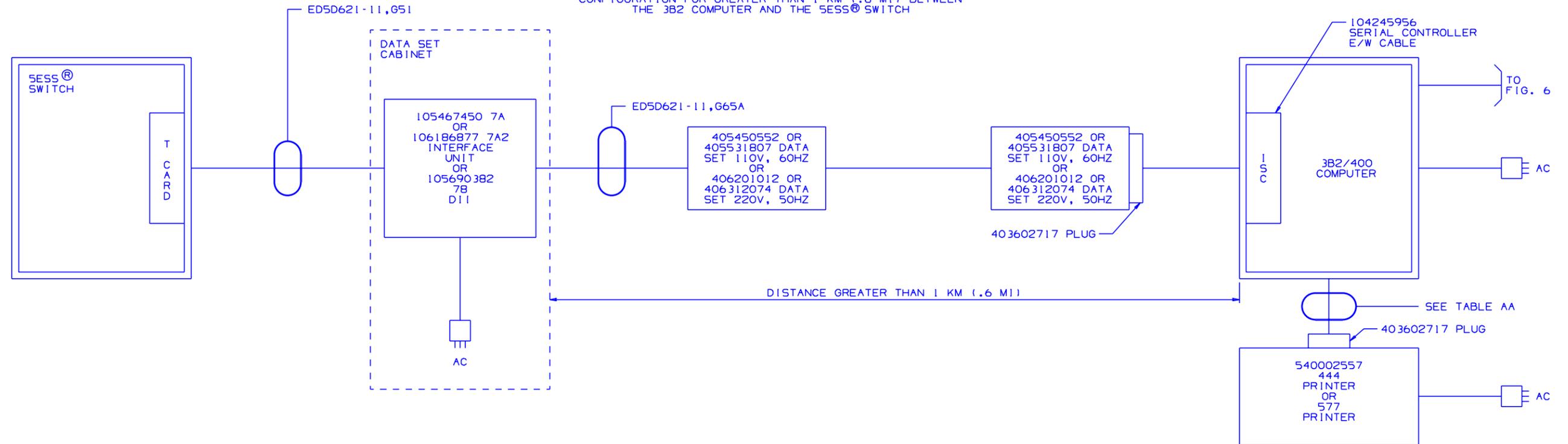


FIG. 8
 OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
 OSC/FMC
 CONFIGURATION FOR LESS THAN 1 KM (.6 MI) BETWEEN THE 3B2
 COMPUTER AND THE SESS® SWITCH AND LESS THAN 15.25 M (50 FT)
 BETWEEN THE 3B2 COMPUTER AND THE 7A, 7A2 OR 7B D11 INTERFACE UNIT.

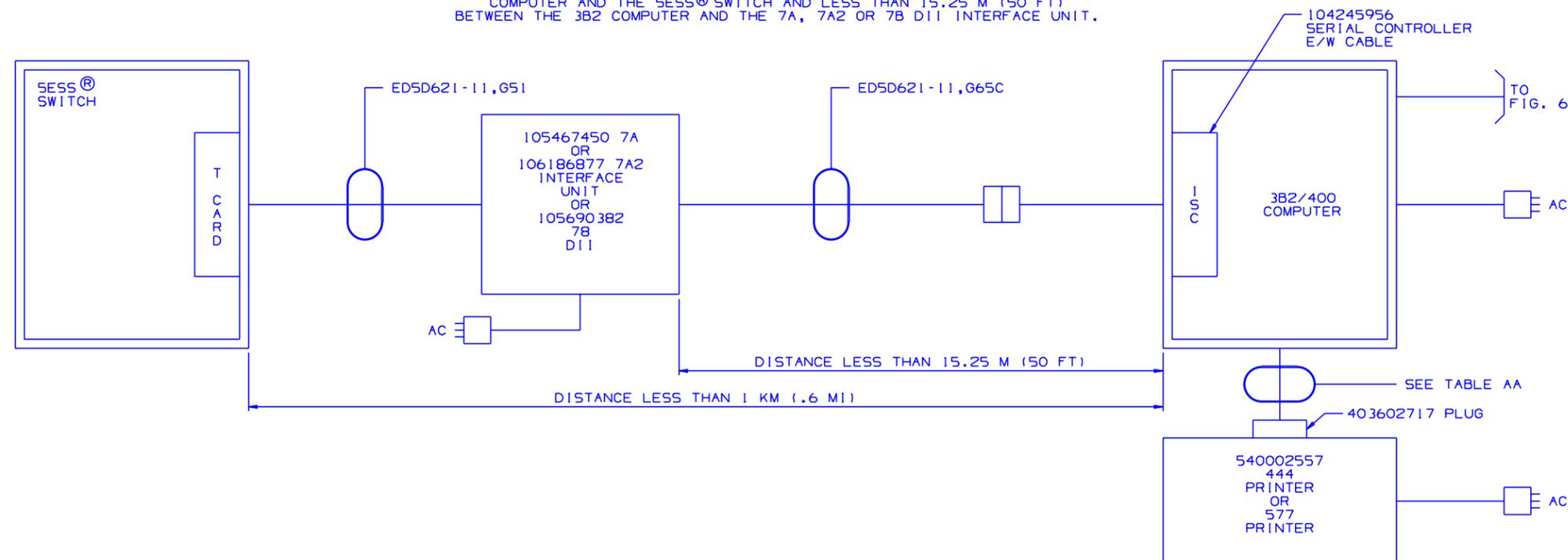


FIG. 9
D11 USED FOR SYNCHRONOUS
DCE COMMUNICATION

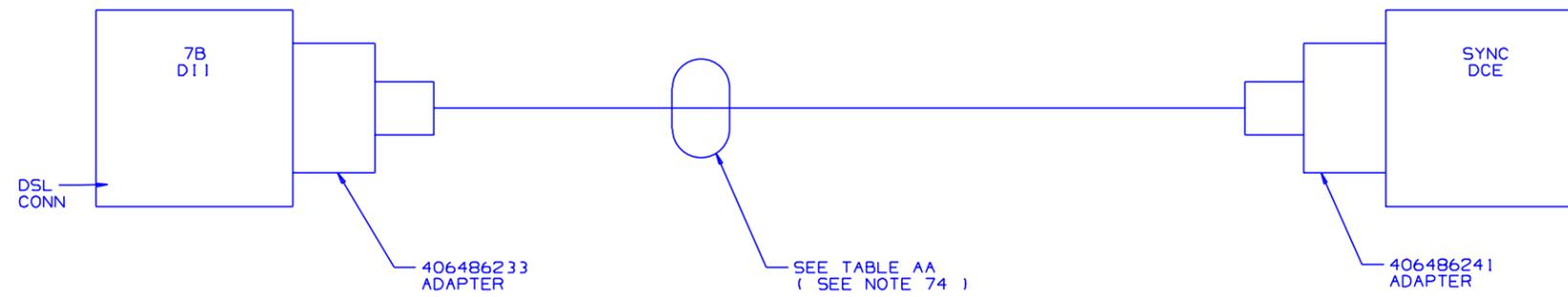


FIG. 10
D11 USED FOR SYNCHRONOUS
DTE COMMUNICATION

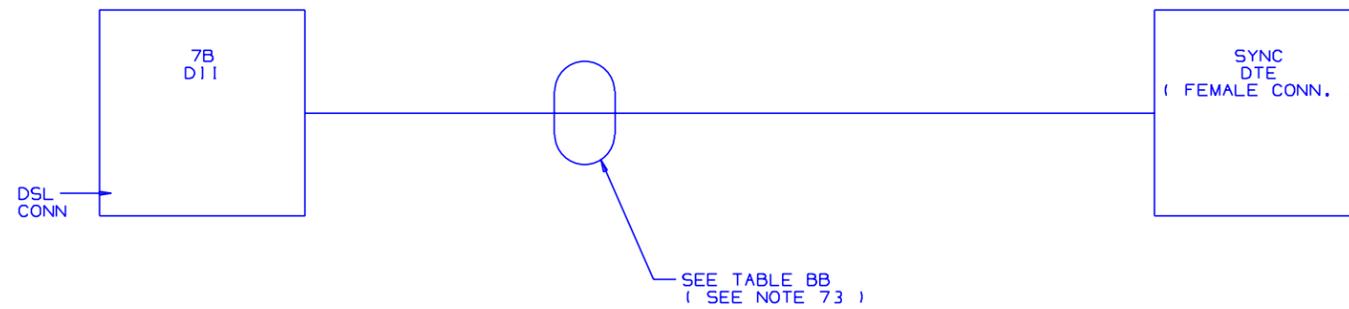


TABLE AA	
D8W87 MODULAR CABLES FOR D11	
COMCODE	LENGTH
103786786	7'
103786828	25'
103866109	50'

TABLE BB	
M25A87 MODULAR CABLES FOR D11	
COMCODE	LENGTH
102269602	5'
102269628	25'
102269636	50'

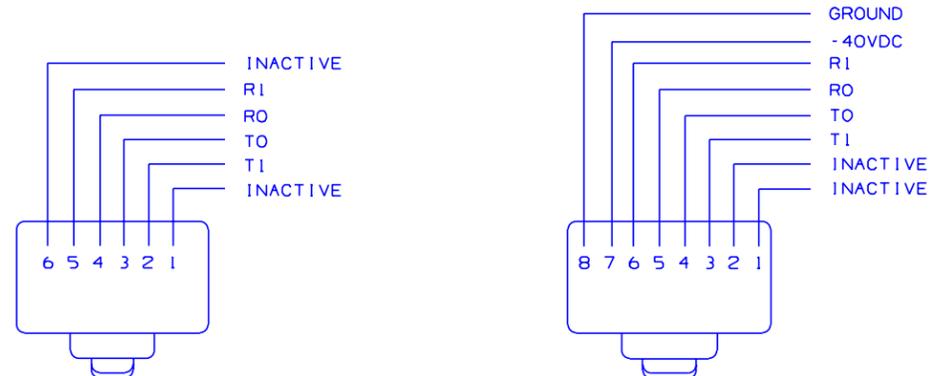
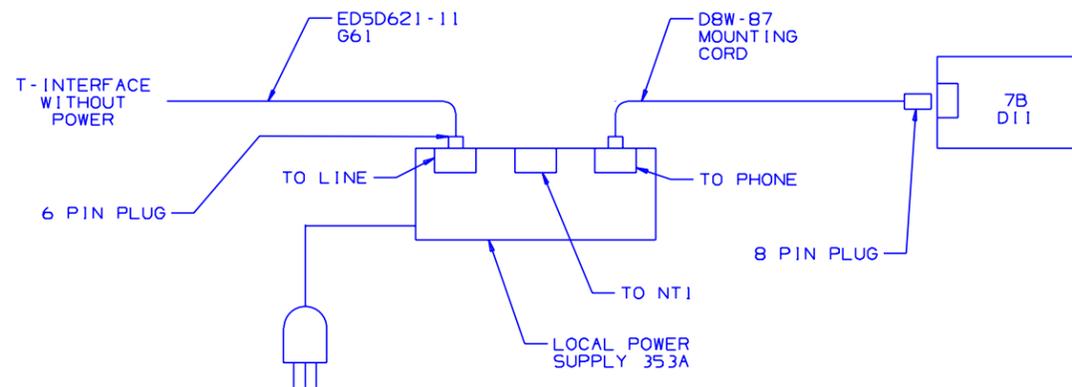


FIG. 11A
D11 POWER VIA
LOCAL POWER

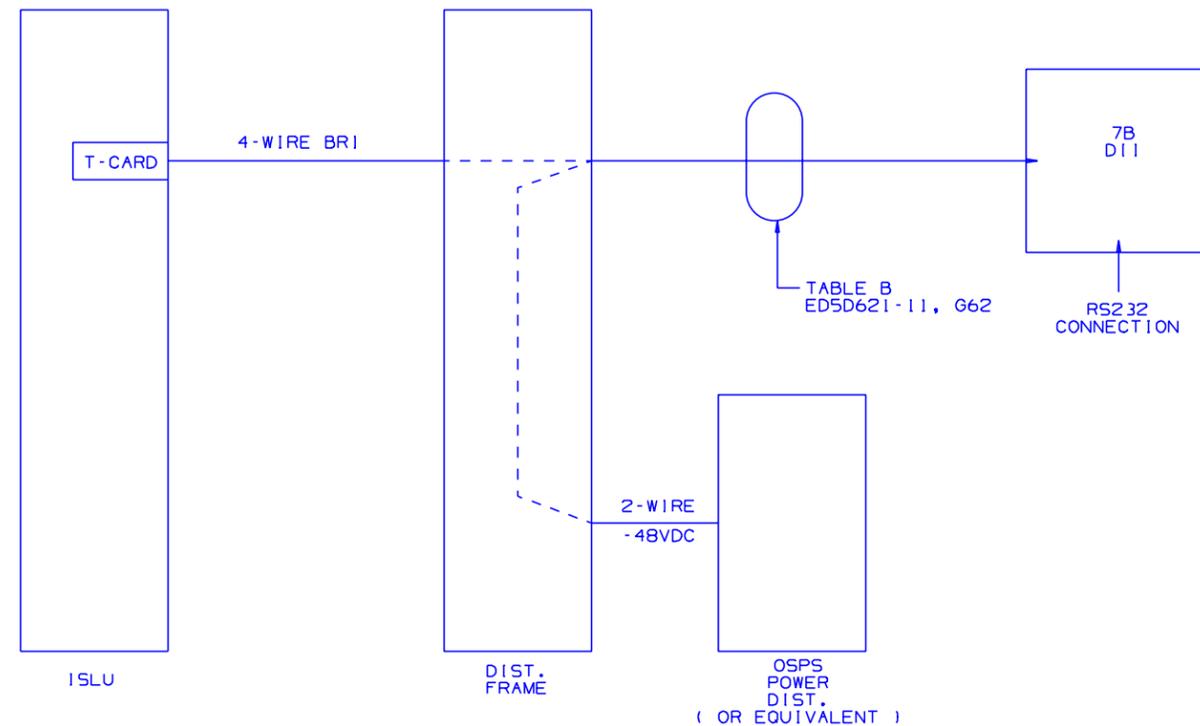


TABLE B

	FROM	TO	FUNCTION
D11	PIN 1 2	DISTRIBUTION FRAME, TIE BACK - UNUSED	INACTIVE "
	3 4 5 6	ISLU VIA DISTRIBUTION FRAME	T1 TO RO R1
	7 8	OSPS POWER DIST. VIA D.F.	-48VDC -48RTN

FIG. 11B
D11 POWER VIA
DISTRIBUTING FRAME

FIG. 12 (DA)

OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
OSC/FMC
CONFIGURATION FOR GREATER THAN 1KM (.6MI) BETWEEN
THE SPARC STATION 2 AND THE SESS® SWITCH

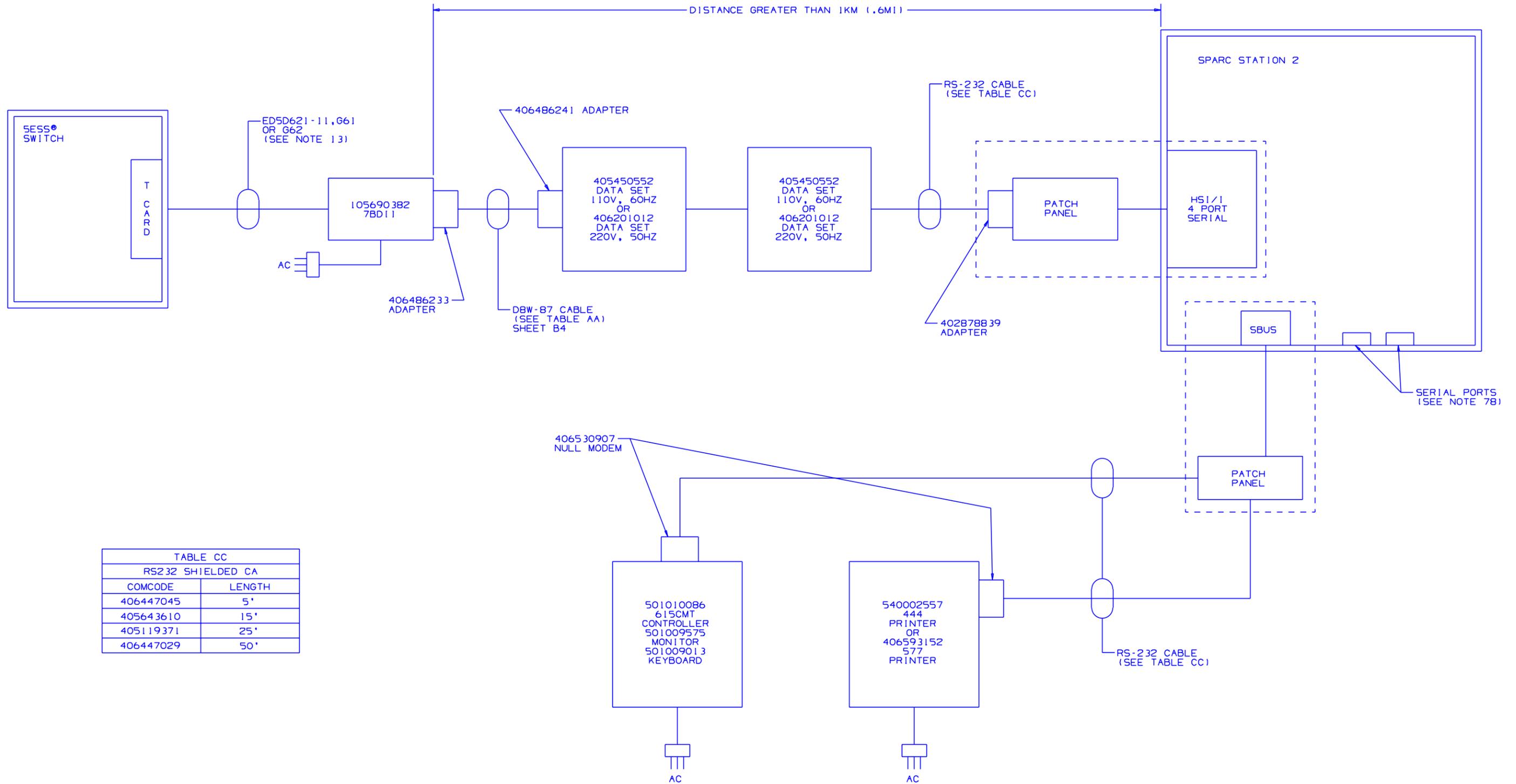


TABLE CC	
RS232 SHIELDED CA	
COMCODE	LENGTH
406447045	5'
405643610	15'
405119371	25'
406447029	50'

FIG. 12A

OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
OSC/FMC
CONFIGURATION FOR GREATER THAN 1KM (.6MI) BETWEEN
THE SPARC STATION 2 AND THE SESS® SWITCH
AND GREATER THAN 15 METERS BETWEEN THE
DIT AND THE RS232/422 CONVERTER

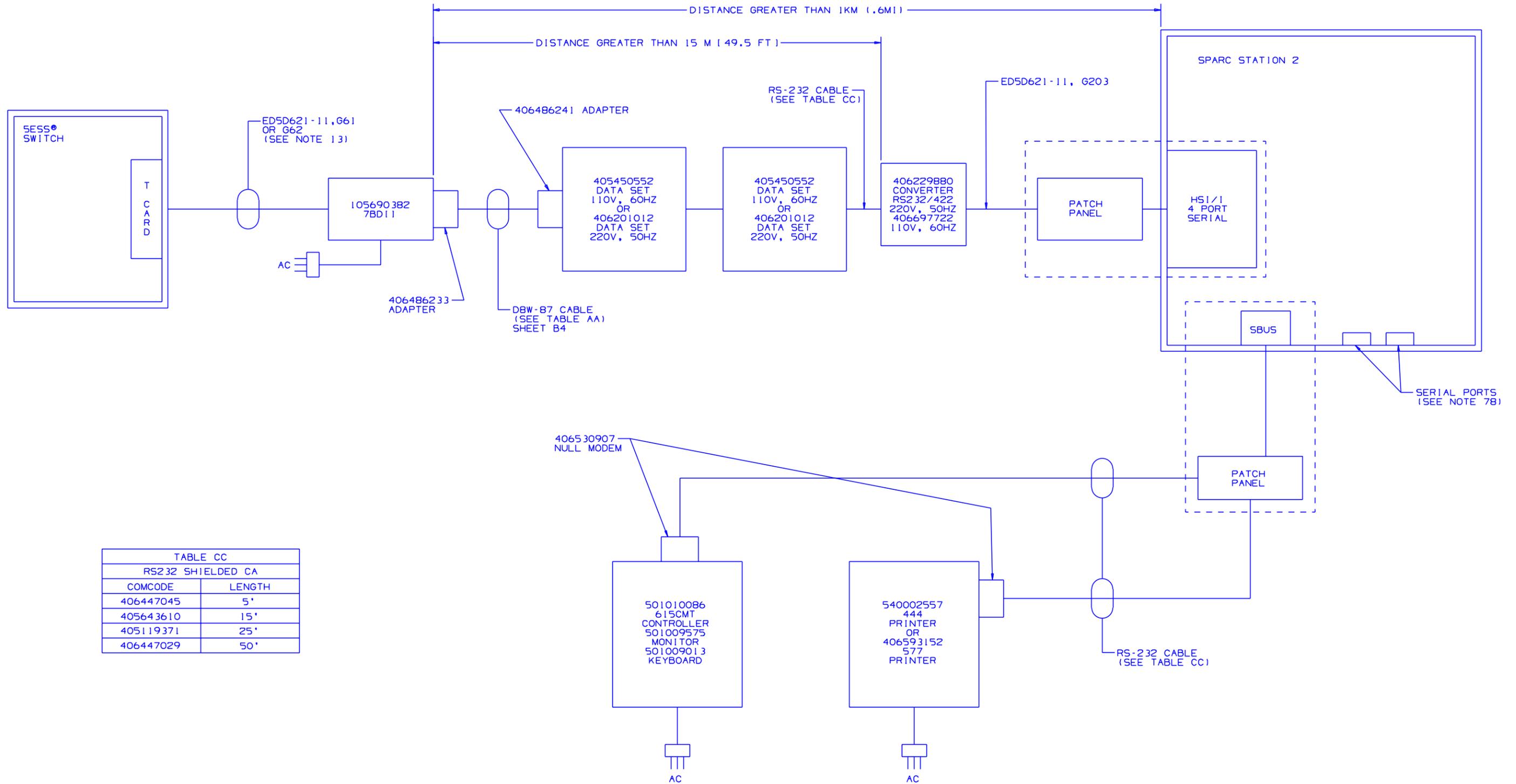


TABLE CC	
RS232 SHIELDED CA	
COMCODE	LENGTH
406447045	5'
405643610	15'
405119371	25'
406447029	50'

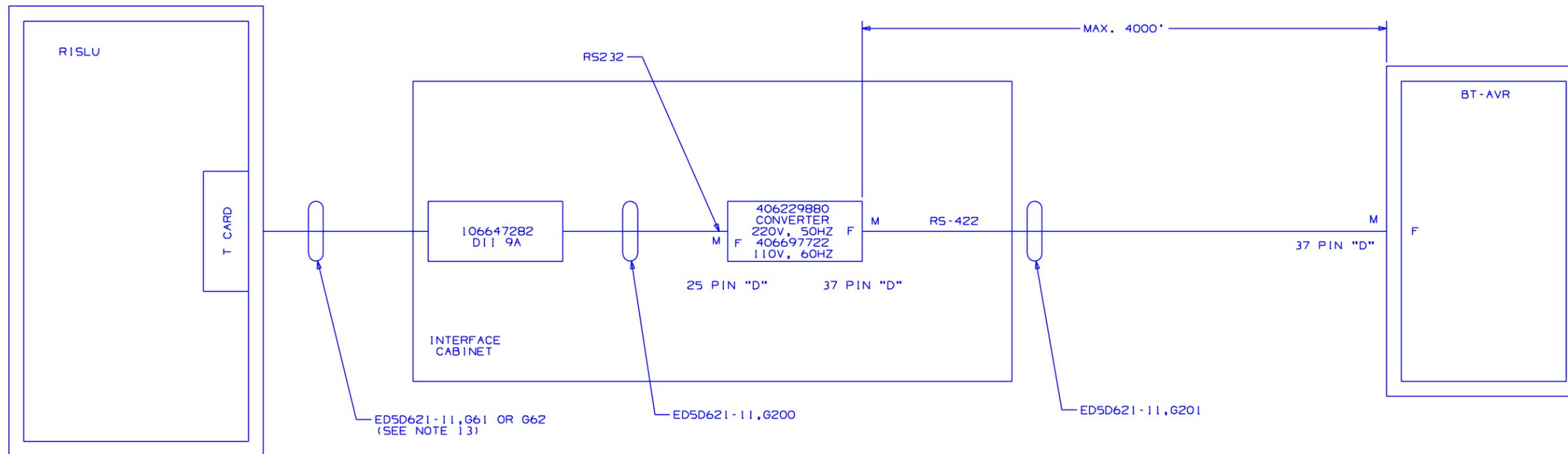


FIG. 13

FIG. 14
 OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
 OSC/FMC
 CONFIGURATION FOR GREATER THAN 1KM (.6MI) BETWEEN
 THE SPARC STATION 2 AND THE SESS® SWITCH

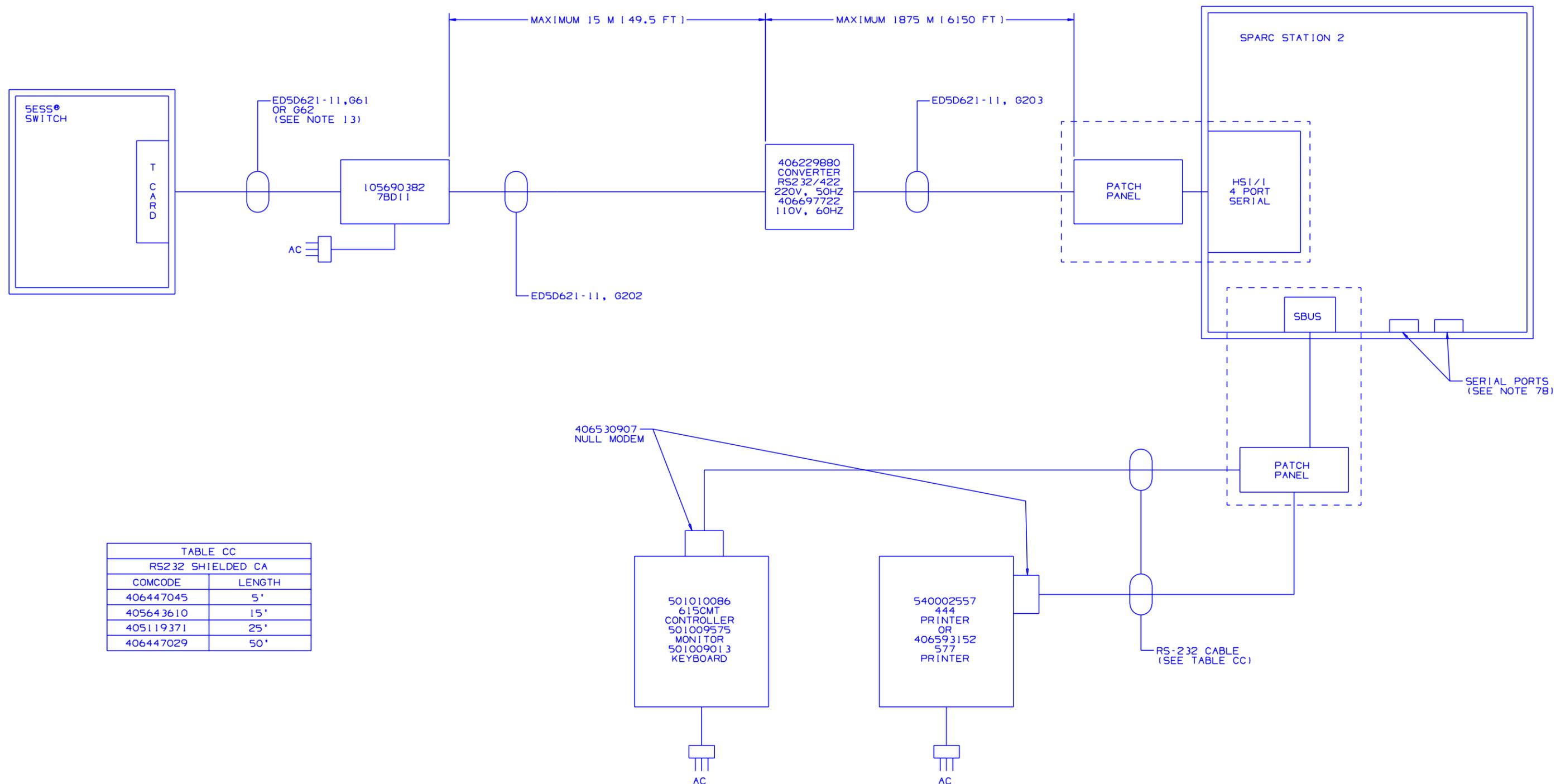


TABLE CC	
RS232 SHIELDED CA	
COMCODE	LENGTH
406447045	5'
405643610	15'
405119371	25'
406447029	50'

FIG. 15

OPERATOR SERVICES CENTER/FORCE MANAGEMENT CENTER
OSC/FMC
CONFIGURATION FOR GREATER THAN 1KM (.6MI) BETWEEN
THE SPARC STATION 2 AND THE SESS SWITCH
EQUIPPED WITH SBUS EXPANSION AND
THE SESS SWITCH

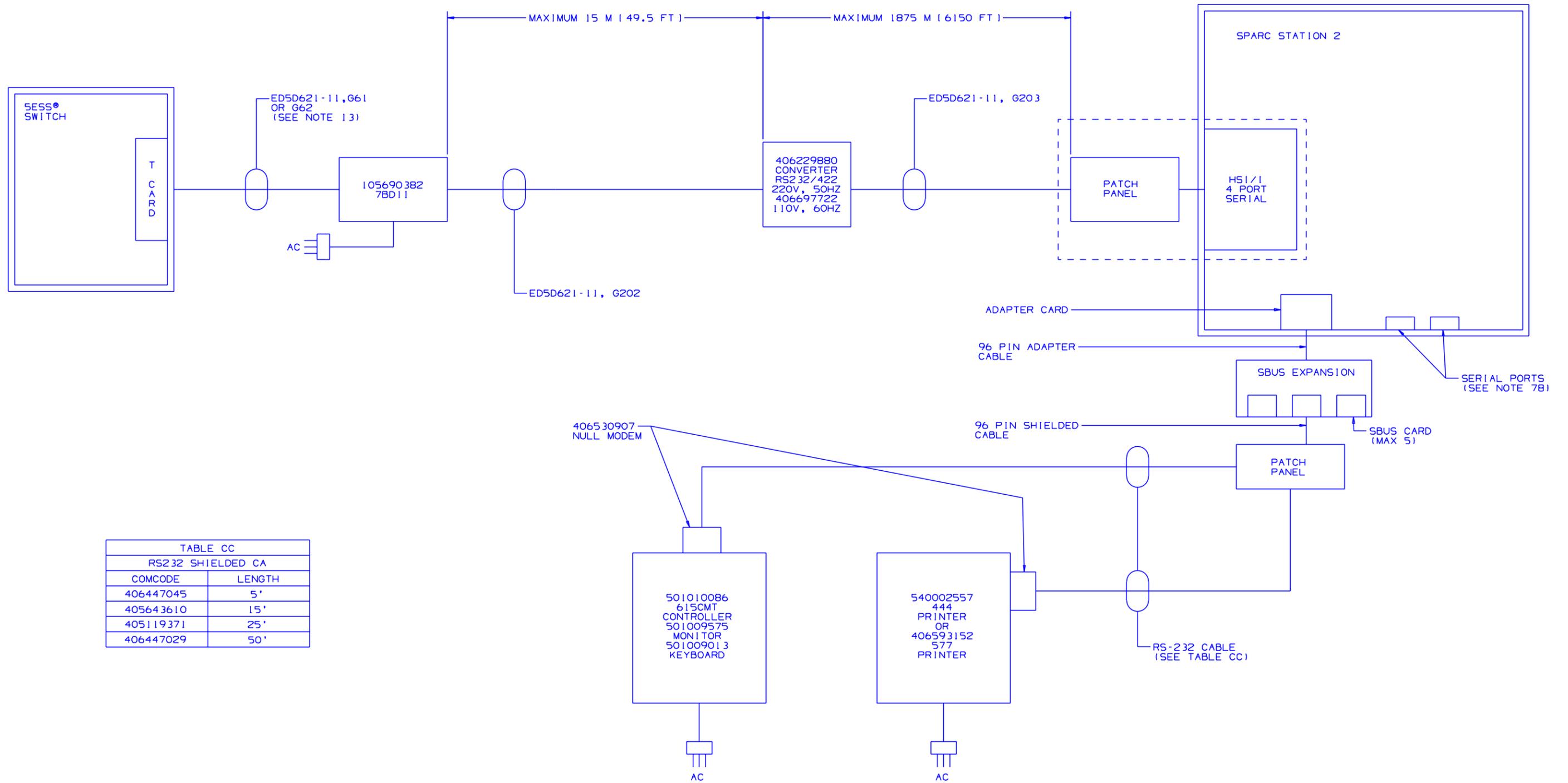


TABLE CC
RS232 SHIELDED CA

COMCODE	LENGTH
406447045	5'
405643610	15'
405119371	25'
406447029	50'

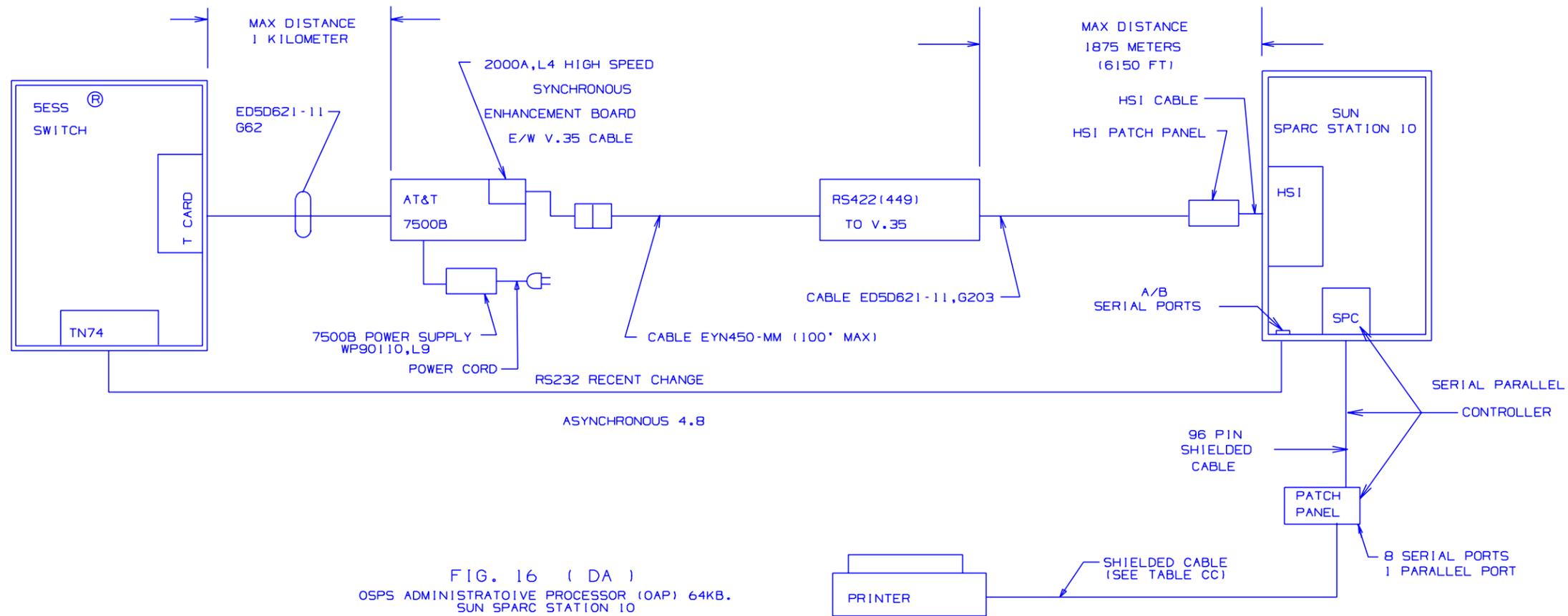


FIG. 16 (DA)
OSPS ADMINISTRATIVE PROCESSOR (OAP) 64KB.
SUN SPARC STATION 10

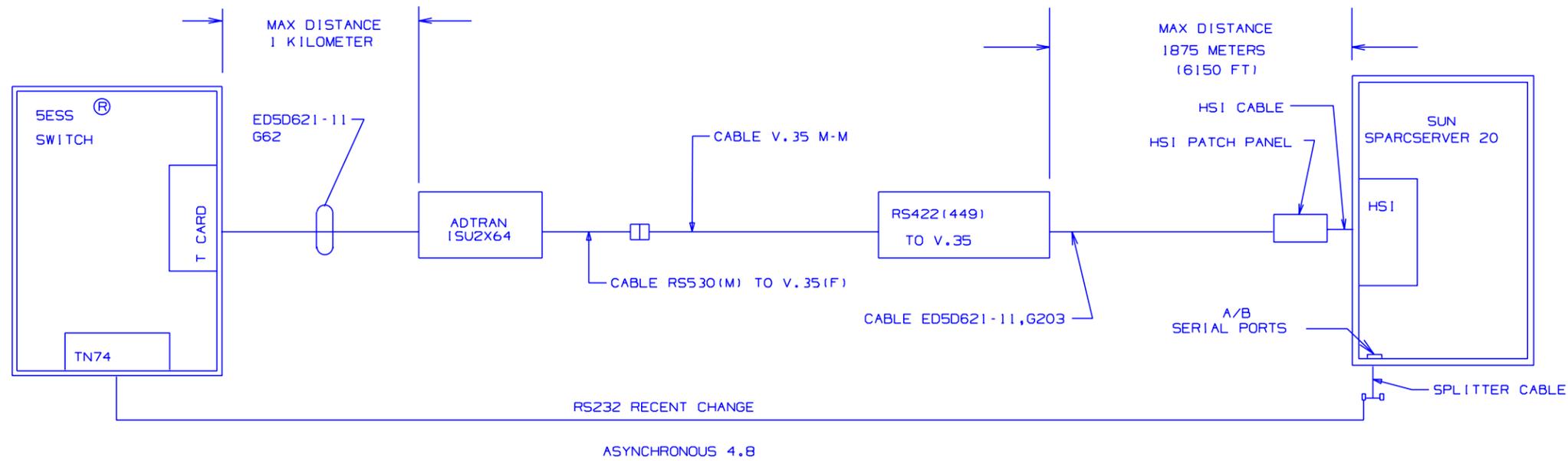
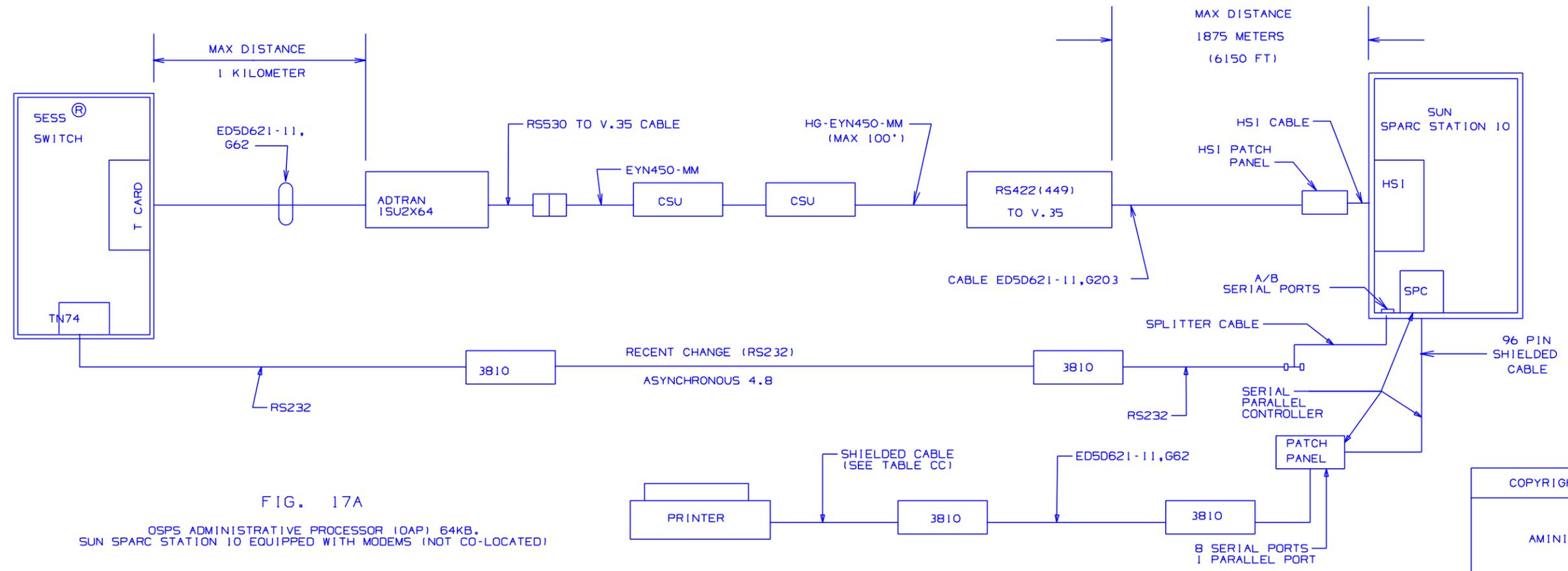
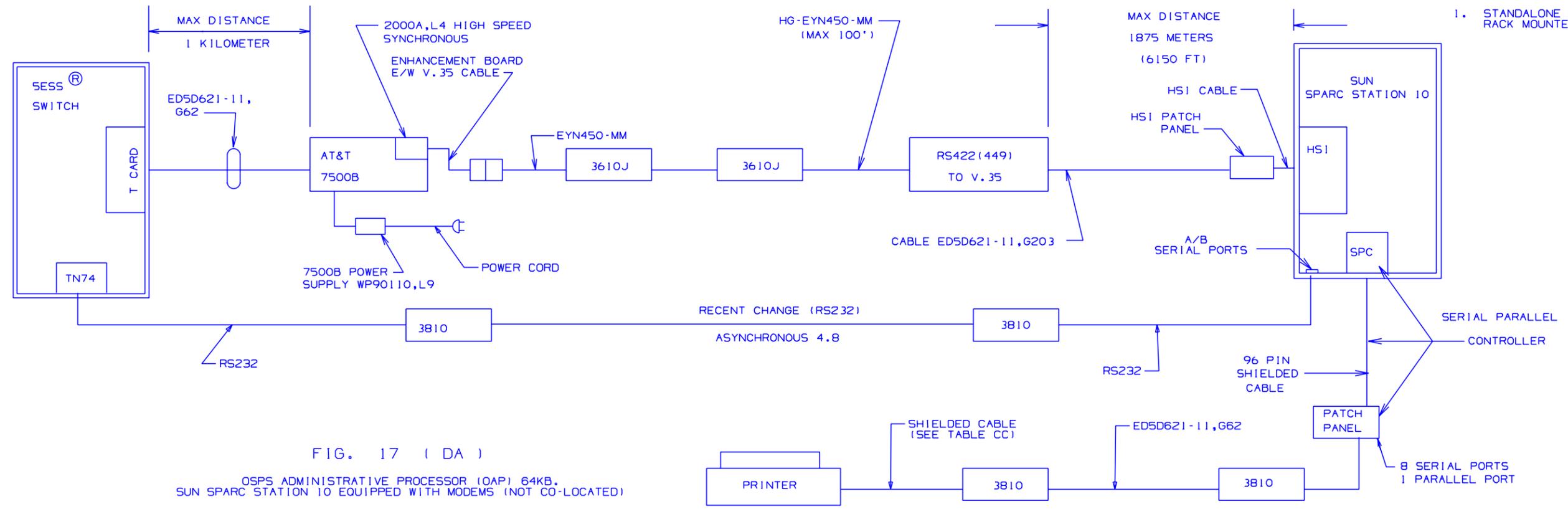


FIG. 16A
OSPS ADMINISTRATIVE PROCESSOR (OAP) 64KB.
SUN SPARC STATION 10

NOTES:
 1. STANDALONE MODEMS MAY BE REPLACED WITH RACK MOUNTED VERSIONS IF DERIVED.



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OSPS ADMINISTRATIVE PROCESSOR (OAP)		DWG SIZE C2
		ISSUE 29
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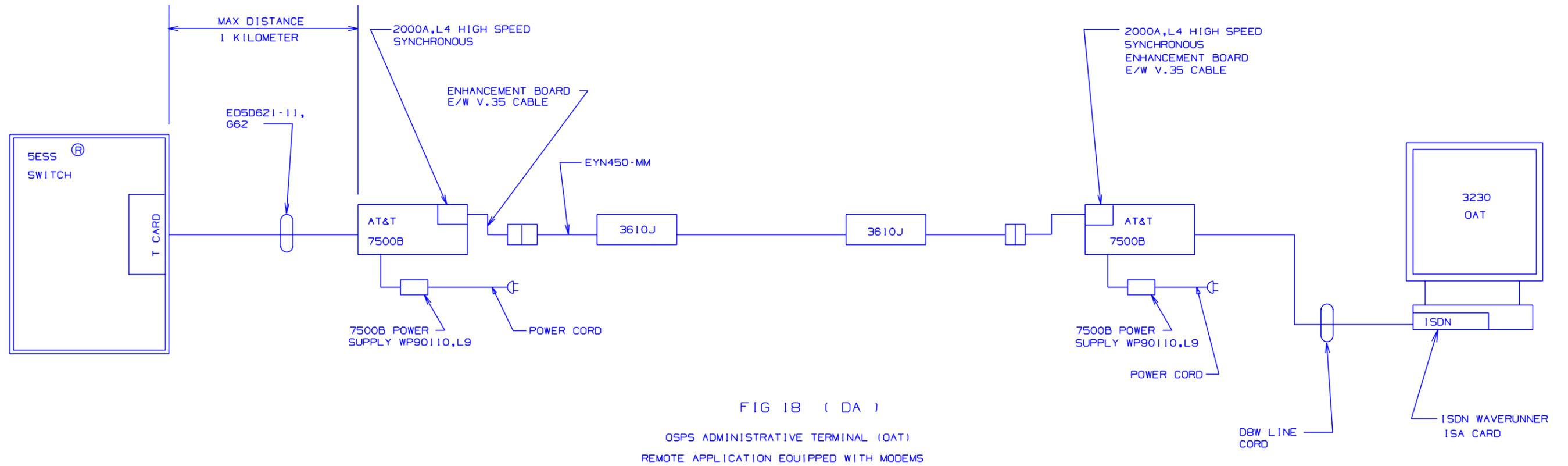


FIG 18 (DA)

OSPS ADMINISTRATIVE TERMINAL (OAT)
REMOTE APPLICATION EQUIPPED WITH MODEMS

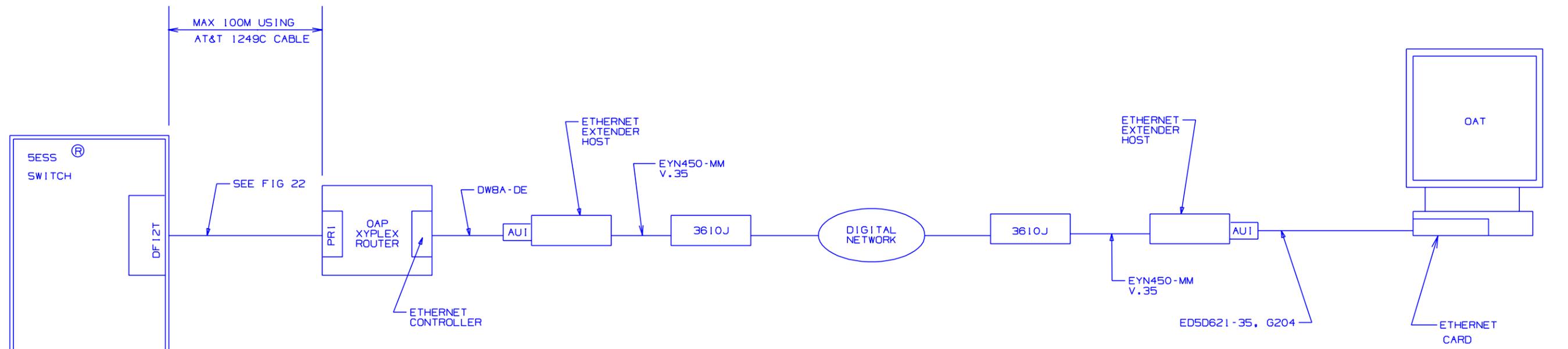


FIG 18A

OSPS ADMINISTRATIVE TERMINAL (OAT)
REMOTE OAT

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OSPS
ADMINISTRATIVE PROCESSOR
(OAP)

DWG SIZE C2	ISSUE 29
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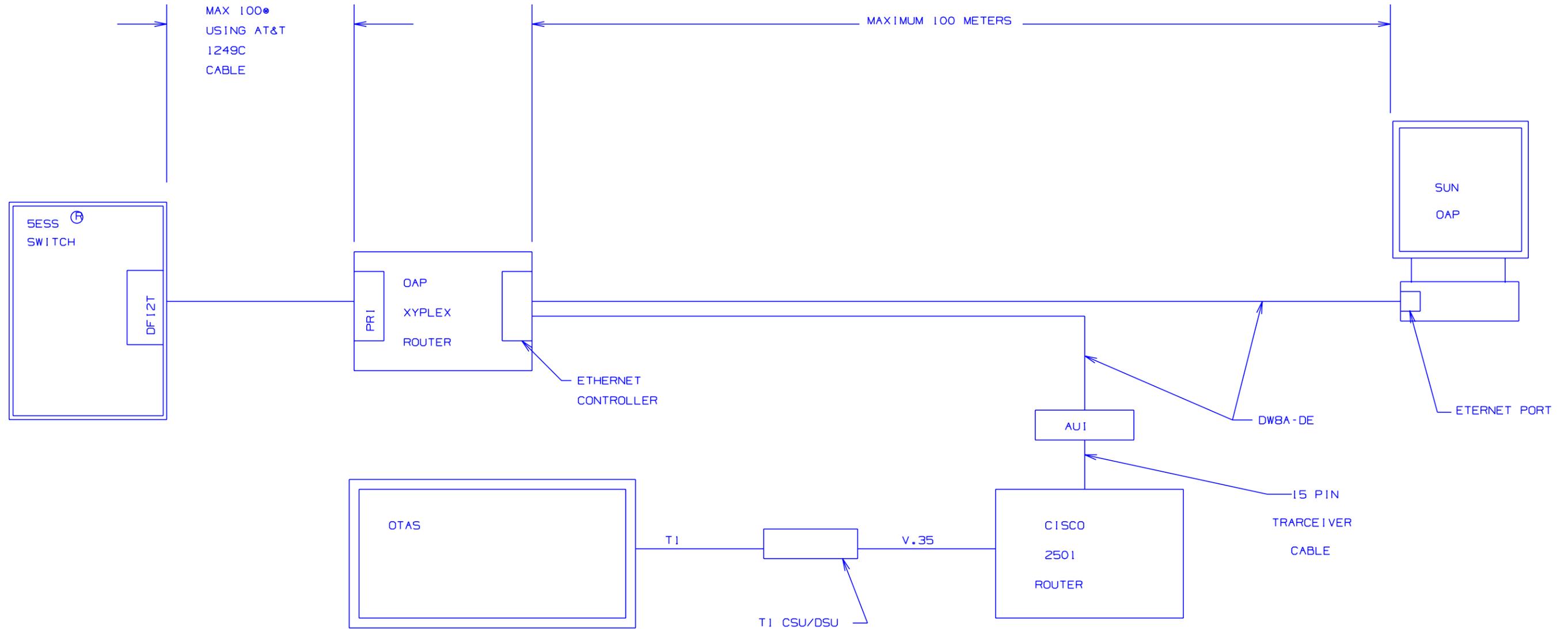


FIG 19

OSPS ADMINISTRATIVE PROCESSOR (OAP)
ISDN NETWORK

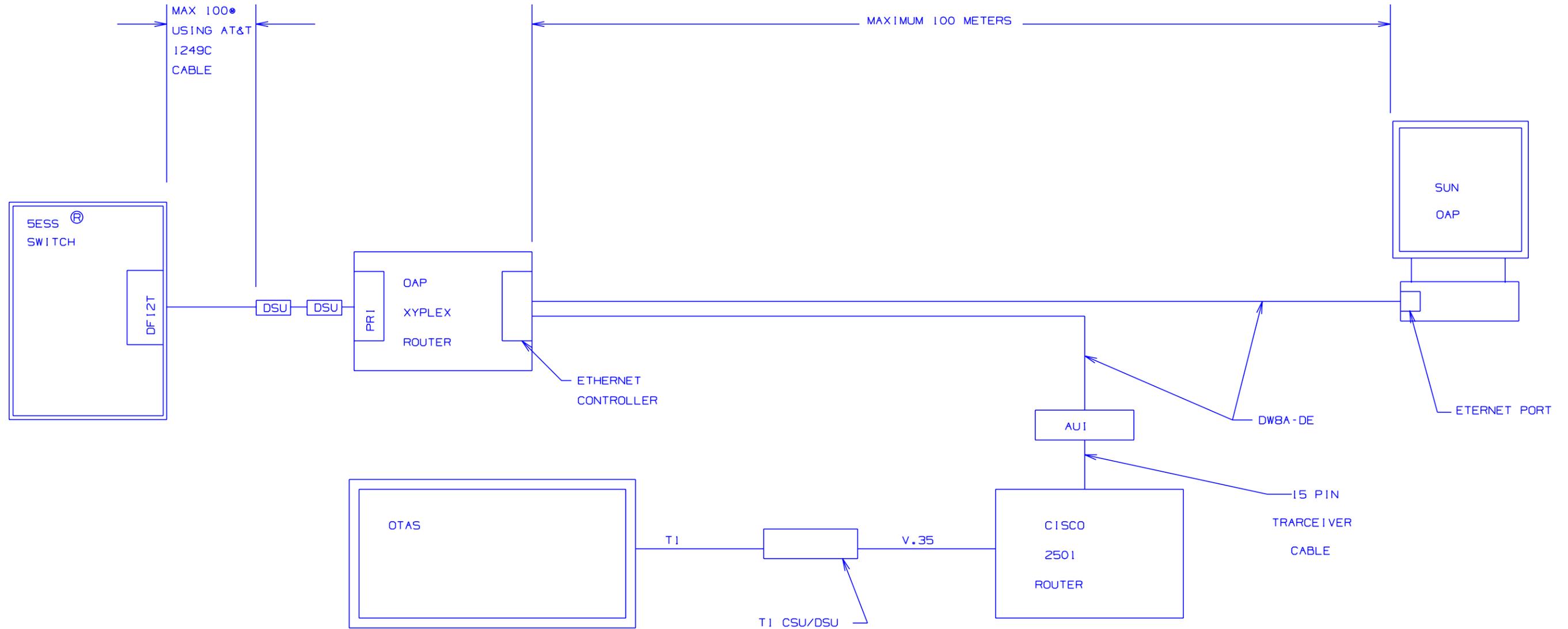


FIG 20

OSPS ADMINISTRATIVE PROCESSOR (OAP)
ISDN NETWORK - REMOTED

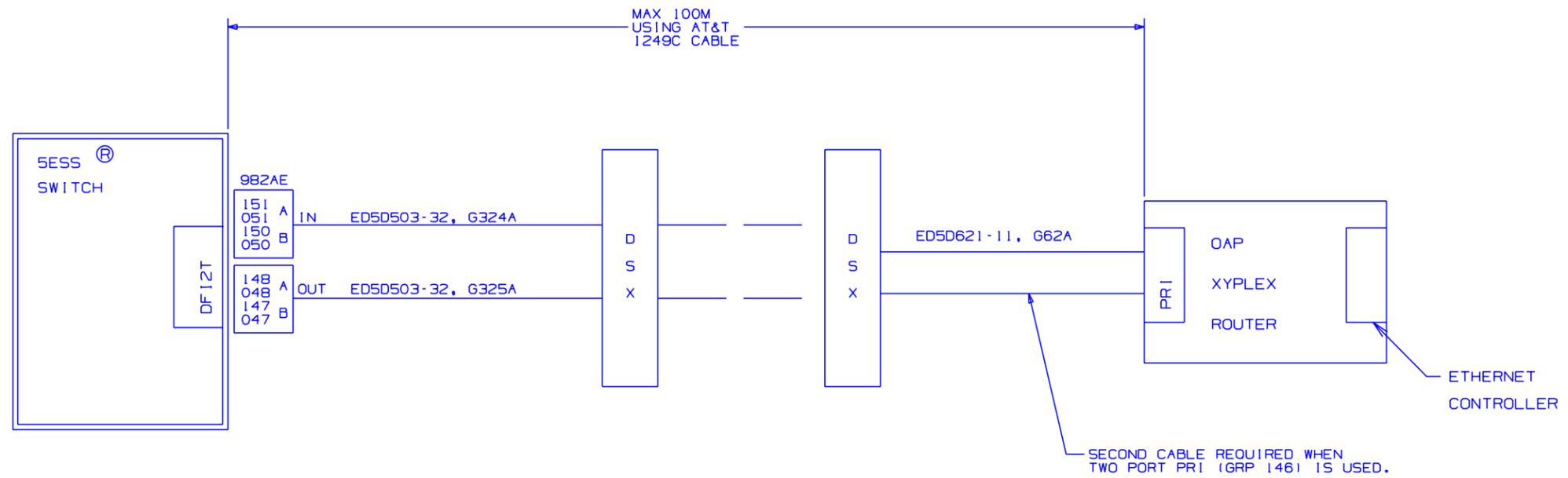


FIG 21

OSPS ADMINISTRATIVE PROCESSOR (OAP)
ISDN NETWORK

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ED5X216-30

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OSPS ADMINISTRATIVE PROCESSOR (OAP)	DWG SIZE	ISSUE
	C2	29
LUCENT TECHNOLOGIES INC	ED5X216-30	SHEET B17

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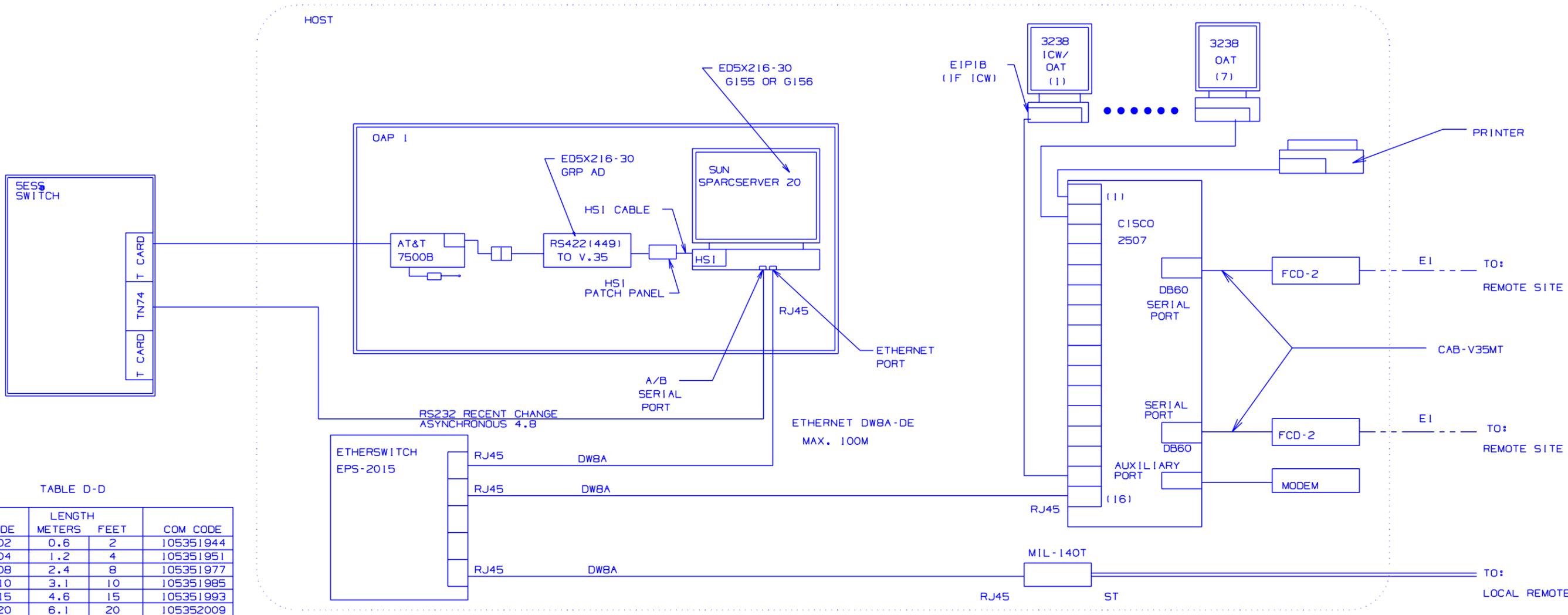


TABLE D-D

CABLE CODE	LENGTH		COM CODE
	METERS	FEET	
FL2E-E-02	0.6	2	105351944
FL2E-E-04	1.2	4	105351951
FL2E-E-08	2.4	8	105351977
FL2E-E-10	3.1	10	105351985
FL2E-E-15	4.6	15	105351993
FL2E-E-20	6.1	20	105352009
FL2E-E-25	7.6	25	105352017
FL2E-E-30	9.2	30	105352025
FL2E-E-35	10.7	35	105352033
FL2E-E-40	12.2	40	105352041
FL2E-E-50	15.2	50	105352066
FL2E-E-75	22.9	75	105352074
FL2E-E-100	30.5	100	105352082
FL2E-E-E/W			106471717

FIG 25
HOST SITE
INDIA OAP
SEE8.1

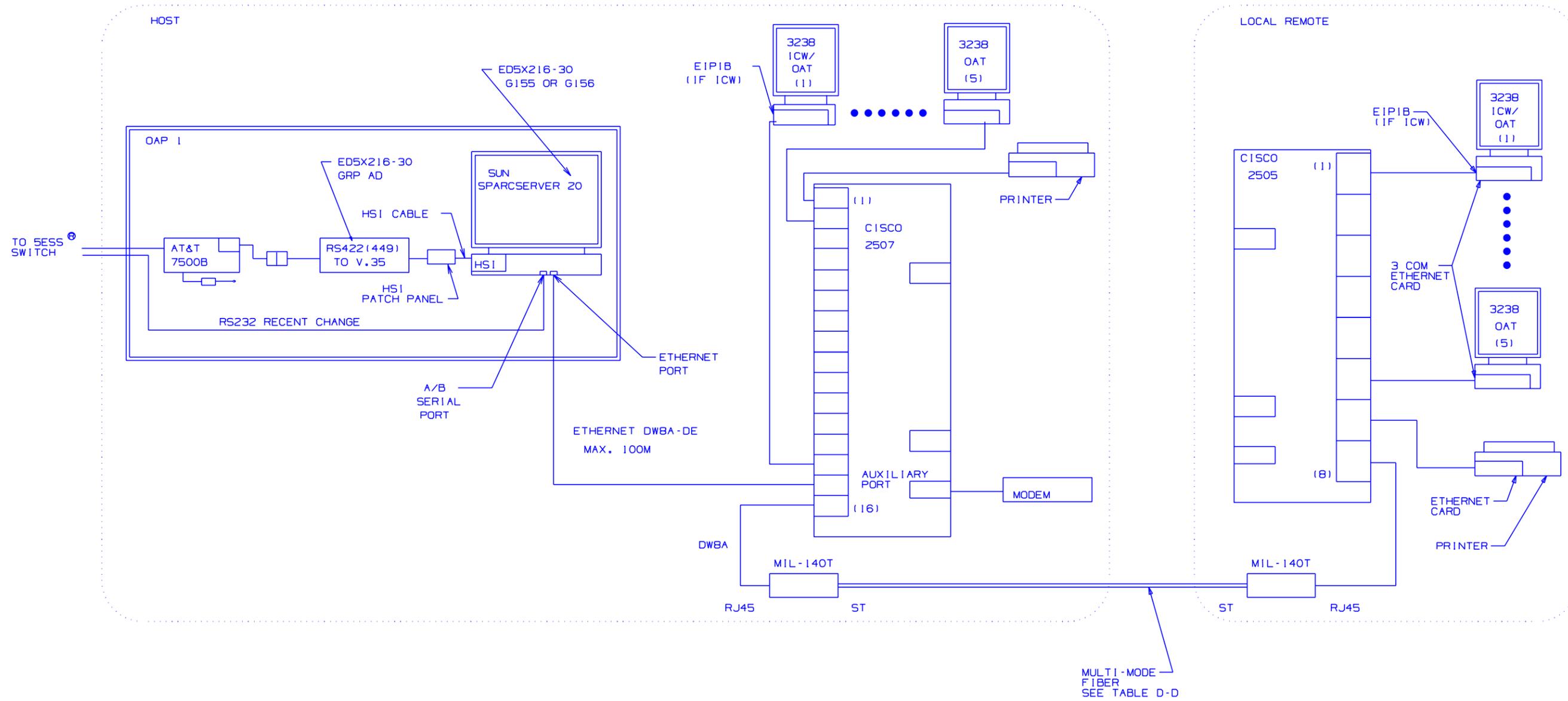


FIG 26
 LOCAL REMOTE
 MULTI-MODE FIBER
 INDIA OAP
 SRR8.1

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OSPS ADMINISTRATIVE PROCESSOR (OAP)	DWG SIZE C2	ISSUE 29
	LUCENT TECHNOLOGIES INC ED5X216-30 SHEET B19	

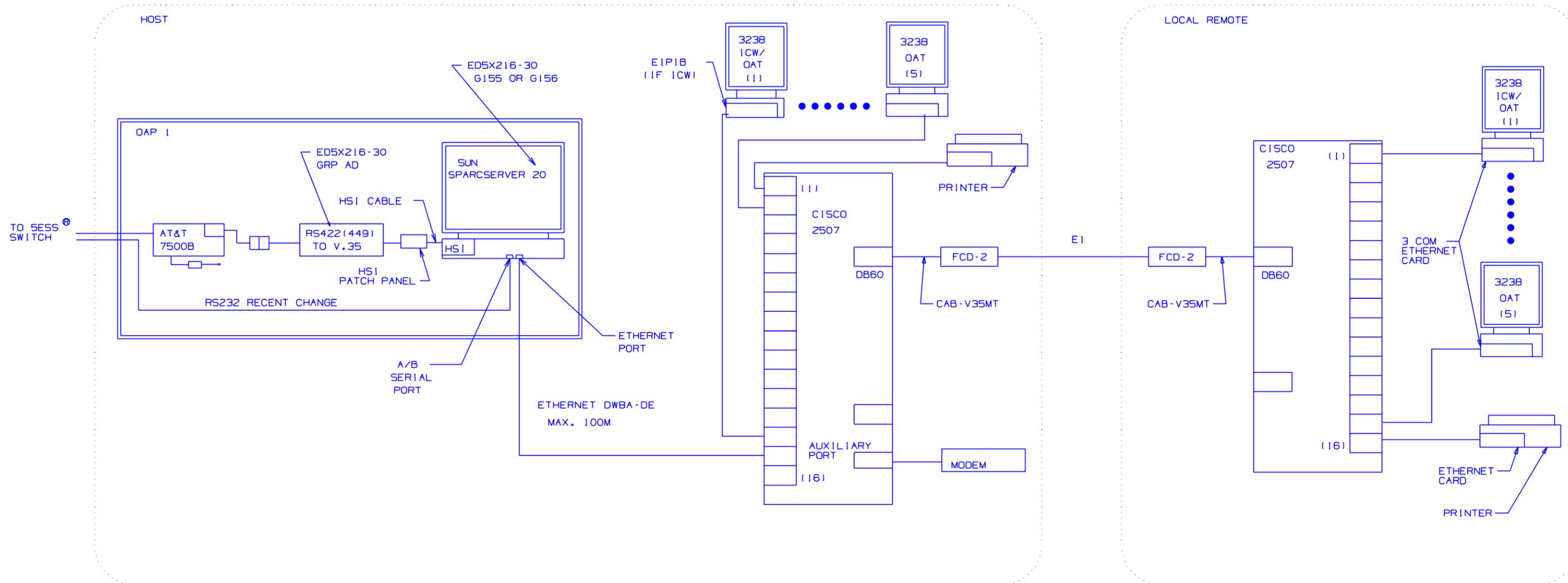


FIG 27
 REMOTE OAP
 INDIA OAP
 5RR8.1

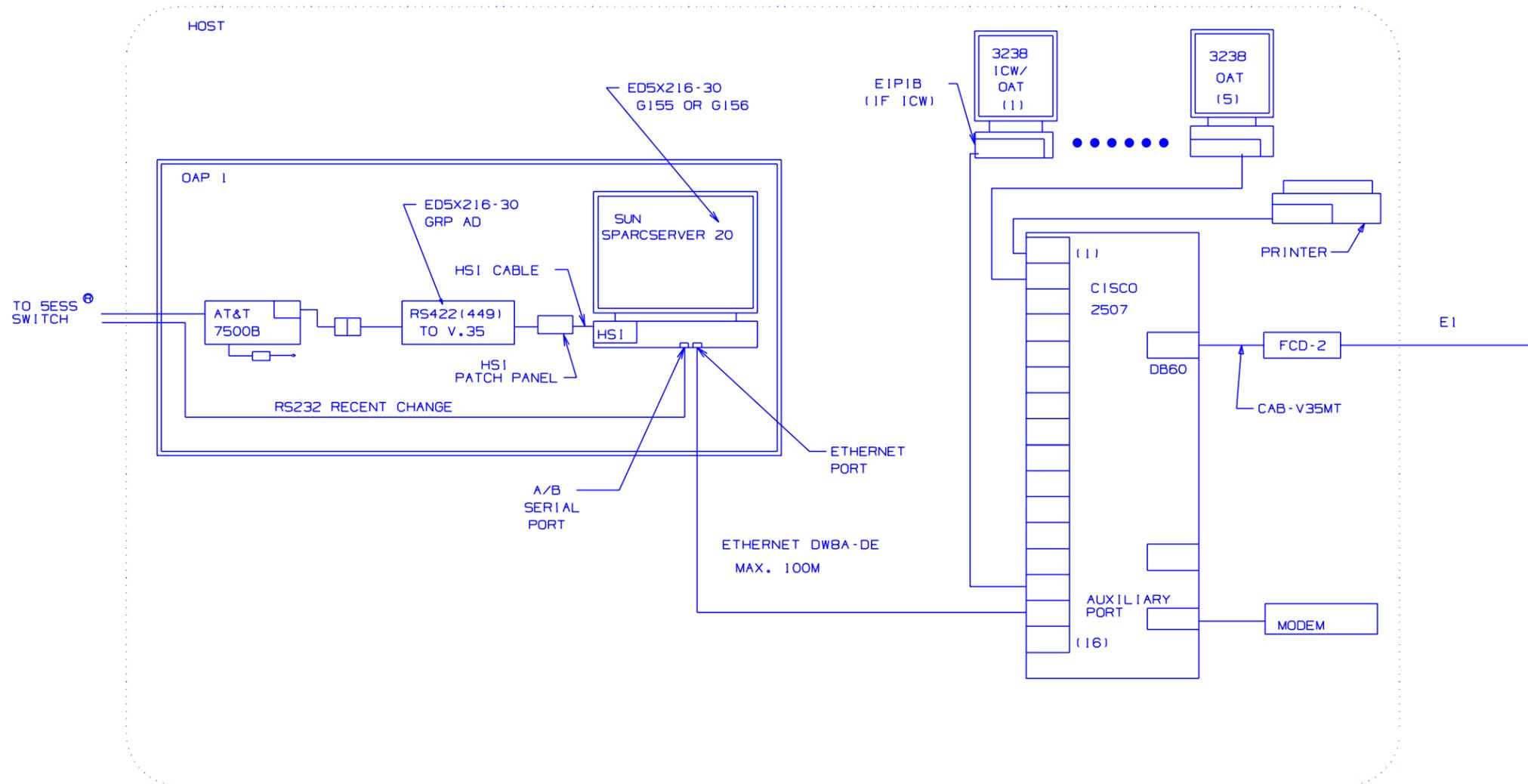


FIG 28
 HOST OAP
 INDIA OAP
 SRR8.1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1	1	501000855		TERMINAL #56D505AAB VIDEO DISPLAY OSPS TELETYPE CORP.		S	60
1010	1	1	501004675	56K114AFR	KEYBOARD INTERNATIONAL		S	
1020	3	1	105292718	3B2/400	PACKAGE SOLUTION C2 WITH EPORTS 220V INTERNATIONAL		S	
1030	3	1	105309975	3.OV2-OS/I	PACKAGE SOFTWARE/DOCUMENTATION INTERNATIONAL		S	
1040	3	1	405410770		SET, DATA #LDS120A-E 3751Z2 GANDALF CO.		S	
1050	3	1	405246729		ADAPTER #232-21-25-033 TRW CINCH MFG CO.		S	
1060	4	1	405613191		SET, TEST #LDS419E GANDALF DATA INC.		S	
1070	4	OMIT 1	405410770		SET, DATA #LDS120A-E 3751Z2 GANDALF CO.		S	
1080	5	1	500066543		DISPLAY #56D202AAG WHITE WITH BLACK HOUSING TELETYPE CORP.		S	
1090	5	1	500064902		KEYBOARD #56K370ACK TELETYPE CORP.		S	
1095	5,16	1	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.			
1100	6	1	501006142		PRINTER #53P105BAE 9 1/2 IN. 5310 FF 220V EIA		S	
1101	6	1	524272408		ASSEMBLY, TRACTOR PULL TYPE #TP427240 TELETYPE CORP.		S	
1103	6A	1	406593152		PRINTER, DOT MATRIX #577-17IN-540CPS-(220V,50HC) NCR-WICHITA			
1105	6B	1	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA 110V, 60 HZ VERSION			
1110	7	1	405557414	KS23364L4	TRAINER MU LAW VOICE EXPORT 60 HZ 120V		S	
1120	8	1	405557422	KS23364L5	TRAINER MU LAW VOICE EXPORT 50 HZ 220V		S	
1130	9	1	405557448	KS23364L6	TRAINER A LAW VOICE EXPORT 60 HZ 120V		S	
1140	10	1	405557463	KS23364L7	TRAINER A LAW VOICE EXPORT 50 HZ 220V		S	
1150	11	1	405558818	KS23364L8	PRINTER, INTERNAL 40 COL. INKED RIBBON MATRIX		S	
1160	12	1	405558792	KS23364L9	PRINTER, INTERNAL 52 COL. THERMAL TYPE		S	
1170	13	1	405559287	KS23364L60	DISK, OPTICAL INITIAL INTERNATIONAL OPER. TRAINING		S	
1180	14	1	405559311	KS23364L80	DISK, OPTICAL CUT-OVER INTERNATIONAL OPER. TRAINING		S	
1190	100	1	ED5X217-30,G1		KIT, FIRMWARE			
2000	101	1	ED5X217-30,G2		KIT, FIRMWARE			
2010	102	1	ED5X217-30,G3		KIT, FIRMWARE			
2020	103	1	ED5X217-30,G4		KIT, FIRMWARE			
2030	A	1	105125553	3B2	KIT I/O WITH HPP			

STOCKLIST CONTINUED ON SHEET D2

ED5X216-30

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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 13. USE ED5D621-11,G61 WHEN POWER SUPPLY 353A IS USED TO PROVIDE 110V TO THE DII OR G62 TO THE DF WHEN -48V IS USED TO POWER THE DII.

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
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EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET D1 OF 54

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2040	B	1	105229900	3B2/400	PACKAGE, ENHANCED PORTS CML95Y			
2050	C	1	403600968		CABLE ASSEMBLY #DKH-7 ANDIRONDACK WIRE & CABLE			
2060	D	1	403600976		CABLE ASSEMBLY #DKH-14 14 FT SHIELDED ANDIRONDACK WIRE & CABLE			
2070	E	1	403600984		CABLE ASSEMBLY #DKH-25 25 FT SHIELDED ANDIRONDACK WIRE & CABLE			
2080	F	1	403600992		CABLE ASSEMBLY #DKH-50 ANDIRONDACK WIRE & CABLE			
2090	15	1	527834782	TP783478	TAB, KEY DESIGNATION		S	
2100	16	1	501002349	55C715AAAA	CONTROLLER 615BCT TELETYPE INC.		S	
2101	16	OMIT 1	501002349	55C715AAAA	CONTROLLER 615BCT TELETYPE INC.		S	
2102	16	1	501006878	55C715ACAA	CONTROLLER 615 MT CLEI = GCPQAH7AAA		S	
2110	16	1	501001143	53D410YAA	MONITOR 14 IN. AMBER 115 VAC		S	
2111	16	OMIT 1	501001143	53D410YAA	MONITOR 14 IN. AMBER 115 VAC		S	
2112	16	1	501007983	53D410YAA	MONITOR VERSION 3 14 IN, AMBER, 110 VAC CLEI = XCPQ44L1AA		S	
2120	16	1	501004865	56K420ADA-V2	KEYBOARD		S	
2121	16	1	501009013	56K420ADA	KEYBOARD VERSION 3 OEM		S	
2130	17	1	405796616	KS23364L60A	DISK OPTICAL NEW HIRES SINGAPORE GATEWAY (5EE3)		S	
2140	18	1	405732702	KS23364L60B	DISK OPTICAL NEW HIRES TAIWAN NATIONAL (5EE3)		S	
2150	19	1	405732389	KS23364L60C	DISK OPTICAL NEW HIRES ARUBA GATEWAY (5EE3)		S	
2160	20	1	405732397	KS23364L60D	DISK OPTICAL NEW HIRES WUHAN NATIONAL (5EE3)		S	
2170	21	1	405732405	KS23364L60E	DISK OPTICAL NEW HIRES BEIJING-PRC (5EE3)		S	
2180	22	1	405732645	KS23364L70	SERVICE, CHARGE NEW HIRES INTERNATIONAL			
2190	23	1	405732439	KS23364L80A	DISK OPTICAL EXP OPERATORS SINGAPORE GATEWAY (5EE3)		S	
2200	24	1	405732454	KS23364L80B	DISK OPTICAL EXP OPERATORS TAIWAN NATIONAL (5EE3)		S	
2210	25	1	405732496	KS23364L80C	DISK OPTICAL EXP OPERATORS ARUBA GATEWAY (5EE3)		S	
2220	26	1	405732504	KS23364L80D	DISK OPTICAL EXP OPERATORS WUHAN NATIONAL (5EE3)		S	
2230	27	1	405732512	KS23364L80E	DISK OPTICAL EXP OPERATORS BEIJING-PRC (5EE3)		S	
2240	28	1	405732678	KS23364L90	SERVICE, CHARGE EXP OPERATORS INTERNTL			
2250	29	1	405970237	KS23364L60F	DISK OPTICAL NEW HIRES GABATAN TEL (5EE3)		S	
2260	30	1	405970245	KS23364L60G	DISK OPTICAL NEW HIRES KOREAN TEL (5EE3)		S	
2270	31	1	405970252	KS23364L60H	DISK OPTICAL NEW HIRES ITAL TEL (5EE3)		S	

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2280	32	1	405970260	KS23364L60I	DISK OPTICAL NEW HIRES TELFONICA ESPANA (5EE3)		S	
2290	33	1	405970278	KS23364L80F	DISK OPTICAL EXP OPERATORS GABATAN TEL (5EE3)		S	
2300	34	1	405970286	KS23364L80G	DISK OPTICAL EXP OPERATORS KOREAN TEL (5EE3)		S	
2310	35	1	405970294	KS23364L80H	DISK OPTICAL EXP OPERATORS ITAL TEL (5EE3)		S	
2320	36	1	405970302	KS23364L80I	DISK OPTICAL EXP OPERATORS TELFONICA ESPANA (5EE3)		S	
2330	37	1	406068924	KS23364L61A	DISK OPTICAL NEW HIRES SINGAPORE		S	
2340	38	1	406069054	KS23364L61B	DISK OPTICAL NEW HIRES TAIWAN		S	
2350	39	1	406068932	KS23364L61C	DISK OPTICAL NEW HIRES ARUBA		S	
2360	40	1	406068957	KS23364L61D	DISK OPTICAL NEW HIRES WUHAN		S	
2370	41	1	406068981	KS23364L61E	DISK OPTICAL NEW HIRES BEIJING-PRC		S	
2380	42	1	406068999	KS23364L61F	DISK OPTICAL NEW HIRES GABATAN TEL		S	
2390	43	1	406069013	KS23364L61G	DISK OPTICAL NEW HIRES KOREAN TEL		S	
2400	44	1	406069021	KS23364L61H	DISK OPTICAL NEW HIRES ITALY TEL		S	
2410	45	1	406069039	KS23364L61I	DISK OPTICAL NEW HIRES TELEFONICA ESPANA		S	
2420	46	1	406069047	KS23364L61J	DISK OPTICAL NEW HIRES TAIWAN		S	
2430	47	1	406068916	KS23364L71	SERVICE, CHARGE NEW HIRES INTERNATIONAL			
2440	48	1	406069070	KS23364L81A	DISK OPTICAL EXP OPERATORS SINGAPORE		S	
2450	49	1	406069120	KS23364L81B	DISK OPTICAL EXP OPERATORS TAIWAN		S	
2460	50	1	406069138	KS23364L81C	DISK OPTICAL EXP OPERATORS ARUBA		S	
2470	51	1	406069161	KS23364L81D	DISK OPTICAL EXP OPERATORS WUHAN		S	
2480	52	1	406069179	KS23364L81E	DISK OPTICAL EXP OPERATORS BEIJING-PRC		S	
2490	53	1	406069187	KS23364L81F	DISK OPTICAL EXP OPERATORS GABATAN TEL		S	
2500	54	1	406069195	KS23364L81G	DISK OPTICAL EXP OPERATORS KOREAN TEL		S	
2510	55	1	406069203	KS23364L81H	DISK OPTICAL EXP OPERATORS ITALY TEL		S	
2520	56	1	406069211	KS23364L81I	DISK OPTICAL EXP OPERATORS TELEFONICA ESPANA		S	

STOCKLIST CONTINUED ON SHEET D3

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5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D2 54

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2530	57	1	406069229	KS23364L81J	DISK OPTICAL EXP OPERATORS TAIWAN		S	
2540	58	1	406068908	KS23364L91	SERVICE, CHARGE EXP OPERATORS INTERNATIONAL			
2550	59	1	406054403	KS23741L5	ADAPTER 120V 60HZ MU-LAW OSPS TRAINER		S	
2560	60	1	406054635	KS23741L4	ADAPTER 220V 50HZ MU-LAW OSPS TRAINER		S	
2570	61	1	406054627	KS23741L3	ADAPTER 120V 60HZ A-LAW OSPS TRAINER		S	
2580	62	1	406054585	KS23741L2	ADAPTER 220V 50HZ A-LAW OSPS TRAINER		S	
2590	63	1	406042986	KS23364L10	TRAINER PANASONIC		S	
2600	64	1	406042143	KS23364L11	TRAINER PANASONIC		S	
2610	65	1	406177246	KS23364L14	CHRG, SET-UP			
2615	66	1	105439889	3B2/400	PACKAGE DOMESTIC SOLUTION "D2" AY		S	
2620	67	1	105439905	3B2/400	PACKAGE INTERNATIONAL SOLUTION		S	
2625	66,67	1	105438147	3.2INTLOS	PACKAGE, SOFTWARE/DOCUMENTATION SVR3.2 INTERNATIONAL OPERATING SYSTEM			
2626	66,67	1	105438147	3.2INTLOS	PACKAGE, SOFTWARE/DOCUMENTATION SVR3.2 INTERNATIONAL OPERATING SYSTEM		S	
2630	66,67	1	104245956	3B2	KIT, CONTROLLER INTELLIGENT SERIAL CLEI = NCGQ018AAA		S	
2640	66,67	1	105495584	BR2/BR3	SOFTWARE, PACKAGE AT&T X 25 NETWORK INTERFACE		S	
2650	66,67	1	540002383		PRINTER #444-LB600-013 DATA PRODUCTS		S	
2660	66,67	1	540002557		BAND #287134-002 DATA PRODUCTS		S	
2665	66,67	1	105750236		SOFTWARE, FOUNDATION SET RELEASE 3.2.2		S	
2670	66	1	105467450	7A	UNIT, INTERFACE CLEI = NATAB00AXX		S	
2680	66	1	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.		S	
2690	67	2	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.		S	
2700	67	1	106186877	7A2	UNIT, INTERFACE S1:1 OSPS		S	
2710	68	1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.		S	
2720	69	2	405450552		SET, DATA #LDS309A GANDALF DATA INC.		S	
2730	70	2	405531807		SET, DATA #LDM-419 GANDALF DATA INC.		S	
2740	71	1	ED5D621-11,G65C		CABLING, INTERCABINET		S	
2750	71	1	ED5D621-11,G51		CABLING, INTERCABINET		S	
2760	72	1	ED5D621-11,G65A		CABLING, INTERCABINET		S	
2770	73	1	406227785	KS23364L61K	DISK OPTICAL NEW HIRES & EXP. OPERATORS		S	

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2780	74	1	406267682	KS23364L81K	DISK, OPTICAL EXP. OPERATORS A-LAW (SEE4.1)		S	
2790	75	1	406267716	KS23364L81L	DISK, OPTICAL EXP. OPERATORS MU-LAW (SEE4.1)		S	
2800	76	1	406289892		PAPER, THERMAL PRINTER #GEI 10217-0002 B & G INSTRUMENTS (25 ROLLS)		S	
2810	77	1	406289777		PAPER, THERMAL PRINTER #GEI 10218-0007 PAPER MATE (25 ROLLS)		S	
2820	78	1	406289728		PAPER, DOT MATRIX PRINTER #GEI 10217-0004 PAPER MATE (25 ROLLS)			
2830	79	1	406289850		RIBBON, DOT MATRIX PRINTER #GEI 10217-0005 PAPER MATE (6 PER BOX)			
2840	80	1	406289918		CONTAINER, TRAINER CARDBOARD SHIPPING #GEI 10851-0009 GOLDEN ENTERPRISES, INC.		S	
2850	81	2	406201012		MODEM #LDS309AE RP/DS GANDALF DATA INC.		S	
2860	82	2	406312074		MODEM #DM-49 GANDALF		S	
2870	83	OMIT 1	105467450	7A	UNIT, INTERFACE CLEI = NATAB00AXX		S	
2880	83	OMIT 1	106186877	7A2	UNIT, INTERFACE S1:1 OSPS		S	
2890	83	OMIT 1	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.		S	
2900	83	OMIT 1	403863541		CORD, POWER #86552005 PANEL COMPONENTS CORP.		S	
2910	83	1	105690382	7B	UNIT, INTERFACE DII		S	
2920	G	1	103786786	D8W-87	CORD 7 FT.			73
2925	G	1	103786828	D8W-87	CORD 25 FT.			73
2930	G	1	103866109	D8W-87	CORD 50 FT.			73
2940	H	1	102269602	M25A-87	CORD 5 FT			74
2945	H	1	102269628	M25A-87	CORD 25 FT			74
2950	H	1	102269636	M25A-87	CORD 50 FT			74

STOCKLIST CONTINUED ON SHEET D4

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5ESS SWITCHING EQUIPMENT
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EXPORT

BT13

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D3 54

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
2960	H	1	406486233		ADAPTER, ELECTRICAL, MALE TO FEMALE #232-21-25-065 25 PIN EIA TO 8 PIN MODULAR TRW-CINCH				
2970	H	1	406486241		ADAPTER, ELECTRICAL, MALE TO FEMALE #232-21-25-066 25 PIN EIA TO 8 PIN MODULAR TRW-CINCH				
2980	J	1	104380753	353A	UNIT, POWER				
2990	K	1	405628504		KIT #351-2 INMAC CORPORTATION				
3000	84	1	105008288		KIT, EXPANSION 2MB 3B2		S		
3010	85,85A	1	406635458		COMPUTER, (OUTSIDE SUPPLIER ITEM) #4/75-M-32-P43 SUN MICRO SYSTEMS		S		
3020	85,85A	1	406700708		MULTIPLEXER, FOUR PORT SERIAL SBUS #X1009A SUN MICROSYSTEMS		S		
3030	85,85A	1	406680140		PACKAGE #X2003W FILE SERVER OPTION FOR SUN SPARCSTATION 2 SUN MICROSYSTEMS		S		
3040	85,85A	1	406546275		SOFTWARE, OPERATING #SX-21 SUN OS SUN MICROSYSTEMS		S		
3050	85,85A	1	406697391		SOFTWARE, SUNNET X.25 SFTW & MEDIA #X.25-7.0-4-4-21 SUN MICROSYSTEMS		S		
3060	85,85A	1	406374223		DOCUMENT #SX-09 SUN OS DOCUMENTATION SUN MICROSYSTEMS INC.		S		
3070	85,85A	1	105690382	7B	UNIT, INTERFACE DII		S		
3080	85	1	402878839	KS22636L1	ADAPTER		S		
3085	85A	1	ED5D621-11,G203		CABLING, INTERCABINET		S		
3086	85A	1	ED5D621-11,G202		CABLING, INTERCABINET		S		
3087	AA	1	406229880		CONVERTER, POWER #IC456A BLACK BOX CORP.				
3088	AB	1	406697722		CONVERTER, POWER #IC456A-R2 BLACK BOX CORP				
3090	86	OMIT	406635458		COMPUTER, (OUTSIDE SUPPLIER ITEM) #4/75-M-32-P43 SUN MICRO SYSTEMS		S		
3100	86	1	406683672		COMPUTER, DESKTOP #4/75PGX-32-P43 E/W X300W SUN		S		
3110	87	1	406599282		MULTIPLEXER, SERIAL PARALLEL CONTROLLER #X1008W S-BUS SUN MICROSYSTEMS INC.		S		
3120	88	1	403602717		PLUG, TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.		S		
3130	88	1	501010086	55C715CCBA	CONTROLLER 615 CMT		S		
3140	88	1	501009575	53D740AAA	MONITOR 615 COLOR MONITOR		S		
3150	88	1	501009013	56K420ADA	KEYBOARD VERSION 3 OEM		S		
3160	W	1	406407247		PACKAGE, COUNTRY KIT #X300W SUN MICROSYSTEMS				
3170	X	3	406808071		CORD, POWER #X941A SUN 72IN LG, 18GA, 3 CONDUCTOR				

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

ED5X216-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
3180	Y,Z	1	406447045		CABLE, ELECTRONIC #348-2 INMAC				77
3190	Y,Z	1	405643610		CABLE #353-2 RS-232 SHIELDED, 25 LINE MALE TO MALE, 15 FT. INMAC				77
3200	Y,Z	1	405119371		CABLE #407-2 SHIELDED 25 LINE EXTENSION MALE TO MALE RS232 INMAC CORP				77
3210	Y,Z	1	406447029		CABLE, ELECTRONIC #408-2 25 LINE M-M 50 FT. INMAC				77
3220	Y,Z	1	406530907		CABLE, ASSEMBLY #335-3 SHIELDED, NULL MODEM INMAC				77
3230	16	1	524605524	TP460552	CARTRIDGE 4425 EMULATION			S	
3250	88	1	524605524	TP460552	CARTRIDGE 4425 EMULATION			S	
3260	89	1	406470187		SOFTWARE, APPLICATION #ONLINE V4 SVR4 3.5 INFORMIX				75
3270	89	1	405789876		SOFTWARE #ESQL/C INFORMIX CO.				75
3280	89	1	405789892		SOFTWARE #SQL INFORMIX CO.				75
3290	90	1	406807156		BOX, EXPANSION #SB-6000X ARTECON INC.			S	76
3300	90	1	406005603		CORD, POWER #86552007 PANEL COMPONENTS			S	80
3310	91	1	106849631	9A	INTERFACE, RCA CONNECTOR CLEI = NATAB81AAA			S	82
3311	91	1	107892838	9A	INTERFACE, RCA CONNECTOR E/W 363A SERIES 6 CKT MOD CLEI = NATAB81AAB				
3320	91	1	406229880		CONVERTER, POWER #IC456A BLACK BOX CORP. 220V RS-232 TO RS-422			S	80 81
3330	91	1	ED5D621-11,G201		CABLING, INTERCABINET			S	
3340	91	1	ED5D621-11,G200		CABLING, INTERCABINET			S	
3350	91	1	ED5D621-11,G62		CABLING, INTERCABINET			S	82
3360	Q	3	406808071		CORD, POWER #X941A SUN 72IN LG, 18GA, 3 CONDUCTOR			S	
3370	R	1	406807941		KIT, SPARE COUNTRY (UNIVERSAL) #X8301 SUN			S	

STOCKLIST CONTINUED ON SHEET D5

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D4 54

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
3380	S	3	406808063		CORD, POWER #X946A SUN 72IN LG, 18GA, 3 CONDUCTOR		S	
3390	T	1	406807933		KIT, SPARE COUNTRY (ITALY) #X8374 SUN		S	
3400	U	3	406808014		CORD, POWER #X492A SUN 72IN LG, 18GA, 3 CONDUCTOR		S	
3410	V	1	406807925		KIT, SPARE COUNTRY (UK) #X8307 SUN		S	
3420	92	1	501013965	56C705YAAA	TERMINAL		S	
3421	92	1	106611767	56C705AFAA	TERMINAL, KEYBOARD		S	
3424	92A	1	407462456		DISPLAY, VIDEO #2903-1301-7300 AT&T GIS		S	
3425	92C	1	407349448		DISPLAY, VIDEO #2904-1301-1700 AT&T GIS		S	
3426	92B	1	406972828		TERMINAL, TERMINAL #2903-1301-7100 NCR		S	
3430	93	1	406934059		SOFTWARE, APPLICATION ONLINE ENGINE, VERSION 5.0 INFORMIX PORT ID 042254, 9 - 16 USERS		S	
3440	93	1	406934067		SOFTWARE, APPLICATION SQL. VERSION 4.10 INFORMIX PORT ID 042254, 9 - 16 USERS		S	
3450	94	1	406934075		SOFTWARE, APPLICATION SQL, VERSION 4.10 4GL INFORMIX PORT ID 042254, 9 - 16 USERS COMPILER OR RAPID DEVELOPMENT SYSTEM		S	
3460	95	1	107003873		SOFTWARE, UTILITY CUSTOMIZED REPORT WRITING		S	
3470	96	1	406635458		COMPUTER, (OUTSIDE SUPPLIER ITEM) #4/75-M-32-P43 SUN MICRO SYSTEMS		S	
3480	96	1	406700708		MULTIPLEXER, FOUR PORT SERIAL SBUS #X1009A SUN MICROSYSTEMS		S	
3490	96	1	406889873		DRIVE #X814A EXTERNAL ROTARY DIGITAL AUDIO TAPE SUN MICROSYSTEMS		S	
3491	96	1	406903047		DRIVE, STREAMING EXTERNAL TAPE #X814A 5GB SUN MICROSYSTEMS		S	
3500	96	1	406540351		DRIVE, DISK, OPTICAL EXTERNAL #X559A SUN MICROSYSTEMS		S	
3510	96	1	406546275		SOFTWARE, OPERATING #SX-21 SUN OS SUN MICROSYSTEMS		S	
3520	96	1	406697391		SOFTWARE, SUNNET X.25 SFTW & MEDIA #X.25-7.0-4-4-21 SUN MICROSYSTEMS		S	
3530	96	1	406374223		DOCUMENT #SX-09 SUN OS DOCUMENTATION SUN MICROSYSTEMS INC.		S	
3540	96	1	105690382	7B	UNIT, INTERFACE DII		S	
3600	85A	1	406229880		CONVERTER, POWER #IC556A BLACK BOX CORP.		S	

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
3601	85A	1	406635458		COMPUTER, (OUTSIDE SUPPLIER ITEM) #4/75-M-32-P43 SUN MICRO SYSTEMS		S	
3610	85A	2	406511774		PACKAGE, 16MB MEMORY EXPANSION #X116Y MEMORY UPGRADE FOR SUN IPC SUN MICROSYSTEMS		S	
3620	85B	1	847363108		KIT, SPARCSTATION 5 OAP		S	
3630	85A	1	406700708		MULTIPLEXER, FOUR PORT SERIAL SBUS #X1009A SUN MICROSYSTEMS		S	
3640	85A	1	406680140		PACKAGE #X2003W FILE SERVER OPTION FOR SUN SPARCSTATION 2 SUN MICROSYSTEMS		S	
3650	85A	1	406810952		PACKAGE, FILE SERVER OPTION #X2013A SUN MICROSYSTEMS		S	
3670	85A	1	406903047		DRIVE, STREAMING EXTERNAL TAPE #X814A 5GB SUN MICROSYSTEMS		S	
3680	85A	1	406540351		DRIVE, DISK, OPTICAL EXTERNAL #X559A SUN MICROSYSTEMS		S	
3690	85A	1	406546275		SOFTWARE, OPERATING #SX-21 SUN OS SUN MICROSYSTEMS		S	
3700	85A	1	406697391		SOFTWARE, SUNNET X.25 SFTW & MEDIA #X.25-7.0-4-4-21 SUN MICROSYSTEMS		S	
3710	85A	1	406374223		DOCUMENT #SX-09 SUN OS DOCUMENTATION SUN MICROSYSTEMS INC.		S	
3720	85A	1	105690382	7B	UNIT, INTERFACE DII		S	
3730	85A 96	1 1	ED5D621-11,G202 G202		CABLING, INTERCABINET		S	
3740	85A 96	1 1	ED5D621-11,G203 G203		CABLING, INTERCABINET		S	
3800	96	1	406635458		COMPUTER, (OUTSIDE SUPPLIER ITEM) #4/75-M-32-P43 SUN MICRO SYSTEMS		S	
3810	96A	1	407034842		COMPUTER, DESKTOP #S10FGX-40-32-P46 SUN MICROSYSTEMS		S	
3820	96,96A	1	406700708		MULTIPLEXER, FOUR PORT SERIAL SBUS #X1009A SUN MICROSYSTEMS		S	
3830	96,96A	1	406903047		DRIVE, STREAMING EXTERNAL TAPE #X814A 5GB SUN MICROSYSTEMS		S	
3840	96,96A	1	406540351		DRIVE, DISK, OPTICAL EXTERNAL #X559A SUN MICROSYSTEMS		S	
3850	96,96A	1	406546275		SOFTWARE, OPERATING #SX-21 SUN OS SUN MICROSYSTEMS		S	

STOCKLIST CONTINUED ON SHEET D6

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D5 54

PRINTED IN U.S.A.

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
3860	96,96A	1	406697391		SOFTWARE, SUNNET X.25 SFTW & MEDIA #X.25-7.0-4-4-21 SUN MICROSYSTEMS		S	
3870	96,96A	1	406374223		DOCUMENT #SX-09 SUN OS DOCUMENTATION SUN MICROSYSTEMS INC.		S	
3880	96,96A	1	105690382	7B	UNIT, INTERFACE DII		S	
3890	96 96A	1 1	ED5D621-11,G202 G202		CABLING, INTERCABINET		S	
3900	96 96A	1 1	ED5D621-11,G203 G203		CABLING, INTERCABINET		S	
3910	97	1	407198118		KIT, SPARCSTATION 10 #XS10EX1-40-64-P46X SUN MICROSYSTEMS		S	
3911	97A	1	847900719		KIT, HARDWARE			
3912	97B	1	848256772		KIT, HARDWARE			
3920	97	1	407430578		KIT, COMPUTER #XS10EX1-612-128-P46X SUN MICROSYSTEMS, INC		S	
3950	97	1	407033034		KIT, DATA BASE SERVER OPTION #X2025A SUN MICROSYSTEMS		S	
3960	97	1	407118900		SOFTWARE, APPLICATION SUNLINK, X.25 SUN MICROSYSTEMS		S	
3970	97	1	406374223		DOCUMENT #SX-09 SUN OS DOCUMENTATION SUN MICROSYSTEMS INC.		S	
4020	97	1	406891945		CABLE ASSEMBLY, COMPUTER #X985A SUN MICROSYSTEMS INC.		S	
4025	98	1	107245219	3610-J1-009	MODEM, DATA TRANSFER			
4030	99	1	107274763	4614J1-009	MODEM, DATA TRANSFER			
4040	99,122	1	107073868	#3810-A1-603	MODEM, DATA TRANSFER			
4045	104	1	107275216	4003-B2-500	CARRIER, APPARATUS			
4050	105	1	407118918		SOFTWARE, APPLICATION SOLARIS 2.3 (ENGLISH VERSION) SOLARIS			
4055	105	1	406984807		KIT, PARTS #X3540F SUN MICROSYSTEMS			
4060	106	1	407120401		SOFTWARE, APPLICATION SOLARIS 2.3 (JAPANESE VERSION) SOLARIS			
4065	106	1	407120682		KIT, PARTS #X3546F SUN MICROSYSTEMS			
4070	107	1	407174879		KIT, PARTS #X3541F AT&T GIS			
4080	111,AE	1	406916916		CONVERTER, SIGNAL #IC483A BLACK BOX CORP			
4082	111	1	106597768	3810-A1-001	MODEM, DATA TRANSFER			
4084	112	1	106597826	3811-B1-001	MODEM, DATA TRANSFER			
4090	AD	1	407120690		CONVERTER, ELECTRONIC SIGNAL #IC483A-E BLACK BOX			
4095	113	1	847363082		KIT, PERSONAL COMPUTER			
4100	113	1	407031582		COMPUTER, PERSONAL #3230-9020 NCR			

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
4110	113	2	407168251		DISK, HARD #3230-F755-0000 AT&T GIS		S	
4120	113	1	407163104		DRIVE, HARD INTERNAL DISK #3230-F755-0000 AT&T GIS			
4130	113	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP		S	
4135	113,164	1	407168293		MONITOR, COLOR VIDEO #3415-3501-8090 SAMSUNG ELECTRIC CORP			
4140	113	1	106451982	DW8A-DE	CORD, MODULAR 24GA,8 CONDUCTOR,10FT LG			
4145	113	1	103786240	451A	ADAPTER			
4150	114	1	407120708		PRINTER, LASER #PC-PR3000PS/4 NEC			
4160	114	1	406530907		CABLE, ASSEMBLY #335-3 SHIELDED, NULL MODEM INMAC			
4170	114	1	407215862		TONER, PRINTER #PC-PR2000-11 NEC			
4180	115	1	106238546	3510-A1-001	MODEM, MULTIRATE DATA SERV UNIT			
4190	116	1	106476245	3511-B1-002	MODEM, DATA TRANSFER			
4200	117	1	106459563	3000-48VDC-PM	CARRIER, APPARATUS			
4205	117,118, 119,120	1 1	106303274	3000-F1-001	PANEL, UNIT SHARED FRONT			
4210	118	1	106779366	3000-B1-201	CARRIER, APPARATUS			
4220	119	1	106789118	3000-B1-301	CARRIER, APPARATUS			
4230	120	1	107073488	#3000-B1-601	CARRIER, APPARATUS			
4240	121	1	107123572	#3000-F1-801	FAN, COOLING			
4250	123	1	107073850	3811-B1-003	MODEM, DATA TRANSFER			
4270	124	1	407029115		KEYBOARD, PERSONAL COMPUTER #3230-F440 AT&T GIS			
4275	124	1	847363082		KIT, PERSONAL COMPUTER			
4290	130	1	407120336		SOFTWARE, OPERATING INFORMIX ON-LINE ENGINE (ENGLISH) (9-16 USERS), PORT ID #042261 (3.5") INFORMIX			
4300	130	1	407120351		SOFTWARE, OPERATING INFORMIX 4.10 (ENGLISH) SQL (9-16 USERS), PORT ID #042261 (3.5") INFORMIX			
4310	131	1	407120237		SOFTWARE, OPERATING INFORMIX 4GL (9-16 USERS) PORT ID #042261 (3.5") INFORMIX			
4320	132	1	407120245		SOFTWARE, OPERATING INFORMIX ALS ON-LINE ENGINE (9-16 USERS), PORT ID #042661 (3.5") INFORMIX			

STOCKLIST CONTINUED ON SHEET D7

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE
C2

ISSUE
34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET D6
OF 54

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
4330	132	1	407120211		SOFTWARE, OPERATING INFORMIX ALS, SQL (9-16 USERS),PORT ID #042661(3.5") INFORMIX				
4340	133	1	407120229		SOFTWARE, OPERATING INFORMIX ALS, 4GL (9-16 USERS),PORT ID #042661(3.5") INFORMIX				
4350	125	1	407118967		SOFTWARE, OPERATING DOS VJ (JAPANESE VERSION) MICROSOFT				
4360	125	1	407118975		SOFTWARE, OPERATING MICROSOFT WINDOWS (JAPANESE VERSION) MICROSOFT				
4365	125	1	407222504		UNIT, CENTRAL PROCESSING #3232-9012-8000 AT&T GIS				
4370	125	1	407168848		KEYBOARD, PERSONAL COMPUTER #8012-K401 AT&T GIS				
4390	134	1	407471168		DISK, FLOPPY #PRO-1.1-BP 3-1/2IN SUN MICROSYSTEMS				
4405	135	1	407175173		SOFTWARE, UTILITIES SUPER-TCF FOR WINDOWS FRONTIER TECHNOLOGIES INC.				
4410	135	1	407471622		DOCUMENT, PCNFS PRO #PRO.1.1-L1 3-1/2IN DISKETTE SUN MICROSYSTEMS				
4420	136	1	407174994		CHASSIS, PLUG-IN #N9-9006-001 XYPLEX INC.				
4430	136	2	407175066		SUPPLY, POWER, AC INPUT/DC OUTPUT #N9-125-000 XYPLEX INC.				
4440	136	1	407174952		MODULE, ACCESS #N9-210-000 XYPLEX INC.				
4450	136	1	407174960		MODULE, CONTROLLER #N9-401-000 XYPLEX INC.				
4455	136	1	407224765		MEMORY, FLASH #MED-IM-08 2BYT XYPLEX				
4458	136	1	407224773		MEMORY, FLASH #MED-IM-09 2BYT XYPLEX				
4460	136	1	407224666		SOFTWARE, MAINTENANCE #MX-420-0269 SUPPORT XYPLEX				
4467	137	1	407174978		MODULE, POOL MODEM #N9-000-471 XYPLEX INC.				
4480	138	1	407174986		MODULE, DISTRIBUTION #N9-000-203 XYPLEX INC.				
4485	139	1	407175140		MODEM, COMMUNICATION #73GI393 IBM				
4486	139	1	407225184		CARD #SOLIS-L-SW INTEGRATED SERVICES DISTN NET PC MBP SOFTWARE				
4490	140	1	406967430		UNIT, INTERCONNECTING #4261-1001-0600 NCR				
4500	140	1	106451982	DW8A-DE	CORD, MODULAR 24GA,8 CONDUCTOR,10FT LG				
4501	140	1	103895645	DW8A-DE	CORD 10 FT				

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

ED5X216-30

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
4520	141	1	406940346		ADAPTER, AUI INTERFACE #4261-K002 AT&T				
4521	141	1	407238039		UNIT, AUDIO #4261-K076 AT&T GIS				
4530	141	1	107070146	D8W-87	CABLE 28GA, 8 CONDUCTOR, 14FT LG				
4531	141	1	406744201		CABLE, INTERCONNECTING #D8W-87 INMAC				
4540	142	1	105657639	7500B-L1	SERVICE, DATA UNIT CLEI = NCFTAB0BAA				
4550	142	1	105442735	2000A-L4	UNIT, SERVICE DATA				
4560	142	1	405967761	WP90110L9	SUPPLY, POWER				
4570	142	1	107245219	3610-J1-009	MODEM, DATA TRANSFER				
4580	142	1	406673525		CONNECTOR, CABLE, CUT TO ORDER #EYN450-0025-MM 25 FT, DOUBLE ENDED, 18 PR, MALE/MALE BLACK BOX CORP.				
4590	128	1	407120732		SOFTWARE, OPERATING INFORMIX ALS ON-LINE ENGINE, PORT ID #042554 (3.5") INFORMIX				
4600	128	1	407120757		SOFTWARE, OPERATING INFORMIX ALS SQL, PORT ID #042554 (3.5") INFORMIX				
4610	129	1	407120799		SOFTWARE, OPERATING INFORMIX ALS 4GL, PORT ID #042554 (3.5") INFORMIX				
4640	126	1	407168442		SOFTWARE, OPERATING INFORMIX ENGLISH ON-LINE ENGINE,17-32 USERS PORT ID #042554 INFORMIX				
4650	126	1	407168467		SOFTWARE, OPERATING INFORMIX SQL 17-32 USERS,PORT ID#042554 INFORMIX				
4660	127	1	407168491		SOFTWARE, OPERATING INFORMIX 4GL ENGLISH 17-32 USERS PORT ID#042555 INFORMIX				
4720	143	1	407120427		SOFTWARE, APPLICATION CRW (JAPANESE VERSION) CRW				84
4730	144	1	407198100		ADAPTER, ELECTRICAL #CU1501 HITCHI TELCOM TECHNOLOGIES				
4740	145	1	407198076		ROUTER #2501 CISCO				
4750	145	1	407198092		SOFTWARE #SF-G28B-9.14.4 CISCO				
4760	145,159,160	1	407198084		CABLE, INTERCONNECTING #CAB-V35MT CISCO				
4765	145	1	407222512		CARD, PRINTED CIRCUIT #MEM-6M CISCO				

STOCKLIST CONTINUED ON SHEET D8

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BT13

5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D7 54

PRINTED IN U.S.A.

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
4770	146	1	407198068		MODULE #N9-000-472 XYPLEX			
4775	147	1	407174960		MODULE, CONTROLLER #N9-401-000 XYPLEX INC.			
4780	AH	1	407201094		SOFTWARE, SUN NET MANAGER #SNM-2.2-46-P SUN MICROSYSTEMS			
4785	AH	1	407224674		SOFTWARE, OPERATING #SNM-P SUN NET MANAGER SUN MICROSYSTEMS			
4790	AI	1	407201425		CABLE ASSEMBLY, COMPUTER #CAB-V35-FC CISCO			
5500	AA	1	406229880		CONVERTER, POWER #IC456A BLACK BOX CORP.			
5510	AB	1	406697722		CONVERTER, POWER #IC456A-R2 BLACK BOX CORP			
5520	AC	1	105690382	7B	UNIT, INTERFACE DII			
5550	AD	1	407120690		CONVERTER, ELECTRONIC SIGNAL #IC483A-E BLACK BOX			
5560	AE	1	406916916		CONVERTER, SIGNAL #IC483A BLACK BOX CORP			
5570	AF	1	105657639	7500B-L1	SERVICE, DATA UNIT CLEI = NCFTAB0BAA			
5580	AF	1	105442735	2000A-L4	UNIT, SERVICE DATA			
5590	AF	1	405967761	WP90110L9	SUPPLY, POWER			
5600	AF	1	406673525		CONNECTOR, CABLE, CUT TO ORDER #EYN450-0025-MM 25 FT, DOUBLE ENDED, 18 PR, MALE/MALE BLACK BOX CORP.			
5620	AG	1	407174820		DOCUMENT, REFERENCE MANUAL SOLARIS 2.X SOL-D DOC SET SOLARIS PORT ID 042938, 2 - 8 USERS			
5630	93A	1	407215847		SOFTWARE, OPERATING #042938/ON LINEINFORMIX ON LINE INFORMIX PORT ID 042938, 2 - 8 USERS			
5640	93A	1	407215839		SOFTWARE, OPERATING #042938/I-SQL INFORMIX I-SQL INFORMIX			
5650	94A	1	407215854		SOFTWARE, OPERATING #042938/4GL INFORMIX 4GL INFORMIX PORT ID 042938, 2 - 8 USERS			
5660	AK	1	407225176		CARD #SOLIS-L INTEGRATED SERVICES DISTN NET PC MBP SOFTWARE			
5670	AJ	1	407238047		ASSEMBLY, DATA CABLE #EYN450-MF 24GA, 100FT LG BLACK BOX			
5680	AL	2	847402948		BRACKET, MOUNTING			
5690	AM	2	847402906		BRACKET, MOUNTING			
5695	AL,AM	4	901271049		SCREW, PAN HEAD THREAD FORMING M5 X 10 STEEL, ZINC FINISH			
6000	BA	1	406803452		CORD, POWER #1249-C001-0030 NCR			
6010	BB	1	407174838		CORD, POWER #1241-C001-002516GA, 3 CONDUCTOR, 72IN LG EUROPE AT&T GIS			

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6020	BC	1	407174846		CORD, POWER #1244-C001-002516GA, 3 CONDUCTOR, 72IN LG UK AT&T GIS			
6030	BD	1	407174853		CORD, POWER #1247-C001-002816GA, 3 CONDUCTOR, 72IN LG AUSTRALIAN AT&T GIS			
6040	BE	1	407174861		CORD, POWER #1243-C001-002516GA, 3 CONDUCTOR, 72IN LG ITALY AT&T GIS			
6050	AN	4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
6060	AO	4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
6065	149	1	847424249		KIT, COMPUTER			
6070	149	1	407279504		SOFTWARE, OPERATING #042941-ONLINE INFORMIX			
6075	149	1	407279512		SOFTWARE, OPERATING #042941-I-SQL INFORMIX			
6080	149	1	407279520		SOFTWARE, OPERATING #042941-4GL COMPLIER INFORMIX			
6085	149	1	107003873		SOFTWARE, UTILITY CUSTOMIZED REPORT WRITING			
6090	150,655	1	847487832		KIT, PC FASTENER			
6100	151,656	1	847487840		KIT, SPARCSTATION FASTENER			
6110	152,657	1	847487857		KIT, SPARC FILE SERVER FASTENER			
6120	153	1	407395060		KIT, DATA INTERFACE #3C509B-TP 3 COM CORP.			
6121	153A	1	408009975		KIT, DATA INTERFACE #3C905B-TX 3COM			
6130	154	1	407395078		KIT, DATD INTERFACE #AT-210T ALLIED TELSIS			
6140	154	1	407395086		KIT, DATA INTERFACE #LB3135A-AUI BLACK BOX CORP.			
6150	155	1	847634565		KIT, COMPUTER SPARC STATION 20			
6160	156	1	847647666		KIT, COMPUTER			
6170	157	1	407376912		UNIT, CENTRAL PROCESSING #X1175A SUN MICROSYSTEMS			
6180	158	1	407508191		ADAPTER, INTERFACE, CONVERTER #MIL-140T-M002 MILAN TECH			
6185	158	1	103184156	D180880	KIT, SPARE PARTS			

STOCKLIST CONTINUED ON SHEET D9

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5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET D8 OF 54

PRINTED IN U.S.A.

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6190	159	1	407484286		INTERFACE, LOCAL AREA NETWORK #2505 CISCO			
6194	159,160	1	407520667		DISK, FLOPPY #SF25C-10.3.2 CISCO			
6200	160	1	407484278		INTERFACE, LOCAL AREA NETWORK #2507 CISCO			
6210	161	1	407520675		DISK, FLOPPY #PRO-2.0-P SUN MICROSYSTEMS			
6220	162	1	407508209		DATA, CSU/DSU #FCD-2/115/V.35UNIT RAD DATA COMMUNICATION			
6230	163	1	407484252		DATA, UNIT #FCD-2 CSU/DSU RAD DATA COMMUNICATIONS			
6250	164	1	847628856		KIT, COMPUTER			
6260	165	1	407505627		PRINTER, LASER #C2039A,OPTABU HEWLETT PACKARD			
6261	165A	1	407646918	C3917A	PRINTER, LASER HEWLETT PACKARD			
6262	165B	1	408009934		PRINTER, LASER #C3982A/ABB HEWLETT PACKARD			
6265	165C	1	408038909		PRINTER, LASER #4000 HEWLETT PACKARD			
6266	165D	1	407907674		PRINTER #C4120A-ABB HEWLETT PACKARD			
6270	166	1	407520659		PRINTER, LASER #C2039A/ABU HEWLETT PACKARD			
6271	166A	1	407646926		PRINTER, LASER HEWLETT PACKARD			
6272	166B	1	407733757		PRINTER, LASER #C3982A HEWLETT PACKARD			
6273	166C	1	407828128		PRINTER, LASER #C4120A-ABA,OSO HEWLETT PACKARD			
6280	167	1	407583772		INTERFACE, CONVERTER #WS-C3016 CISCO SYSTEMS			
6320	171	1	407508175		ADAPTER, INTERFACE, CONVERTER #EPS-500B-M002 CISCO			
6330	173	1	407174820		DOCUMENT, REFERENCE MANUAL SOLARIS 2.X SOL-D DOC SET SOLARIS			
6340	AQ	1	407537786		INTERFACE, DATA PRODUCT PARALLEL #1200051L4 ADTRAN			
6341	AQ	1	407646900		INTERFACE, DATA PRODUCTS PARALLEL #1200.051L6 ADTRAN			
6350	AR	1	407537794		INTERFACE, DATA PRODUCTS PARALLEL #1200051L2 ADTRAN			
6360	AQ,AR	1	407537778		CABLE ASSEMBLY, COMPUTER #1200072L1 ADTRAN			
6370	AP	1	106471717	FL2E-E	CABLE, MULTIMODE			

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6380	AQ,AR	1	407243476		ASSEMBLY, DATA CABLE #EYN450 3FT M/M BLACK BOX CORP			
6390	AS	1	407574862		MEMORY, SINGLE INLINE MEM. MODULE #D3647A HEWLETT PACKARD			
6400	164A	1	847744273		KIT, COMPUTER			
6401	164C	1	847927381		KIT, MONITOR SET			
6402	164F	1	848219374		KIT, COMPUTER			
6403	164G	1	848344594		KIT, COMPUTER			
6410	164B	1	847744281		KIT, COMPUTER			
6411	164D	1	847927365		KIT, MONITOR			
6412	164E	1	848219366		KIT, COMPUTER			
6413	164H	1	848344602		KIT, COMPUTER			
6420	BF	1	406029272		CORD, POWER #86559011 PANEL COMPONENTS			
6430	169	1	407583780		MODEM, DATA TRANSFER #6209541900080 MOTOROLA			
6440	170	1	407583798		MODEM, DATA TRANSFER #6209541900010 MOTOROLA			
6450	174	1	407583764		HUB, TYVEK DISK #AT-MR820TR-15 INMAC			
6500	500	1	847492436		KIT, SOFTWARE SPARCSTATION 5, 85MHZ SOLARIS 2.X			S
6510	502	1	847363108		KIT, SPARCSTATION 5 OAP			S
6520	504	1	847492444		KIT, SOFTWARE SPARCSTATION 10, SOLARIS 2.X (NTT)			S
6530	506	1	406599282		MULTIPLEXER, SERIAL PARALLEL CONTROLLER #X1008W S-BUS SUN MICROSYSTEMS INC.			S
6540	508	1	406807156		BOX, EXPANSION #SB-6000X ARTECON INC.			S
6550	510	1	847492451		KIT, HARDWARE 16KB LINK 110V 60HZ			S
6560	511	1	847492477		KIT, HARDWARE 16KB LINK 220V 50HZ			S
6570	515	1	847492600		KIT, HARDWARE 64KB LINK 110V 60HZ			S
6580	516	1	847492618		KIT, HARDWARE 64KB LINK 220V 50HZ			S
6590	505	1	847492626		KIT, SOFTWARE SPARC10 ENGLISH COUNTRY KIT E/W SOLARIS 2.3			S
6600	521	1	847492634		KIT, SOFTWARE SPARC10 JAPANESE COUNTRY KIT E/W SOLARIS 2.3			S

STOCKLIST CONTINUED ON SHEET D10

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5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D9 54

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6610	522	1	407174879		KIT, PARTS #X3541F AT&T GIS		S	
6620	525	1	107003873		SOFTWARE, UTILITY CUSTOMIZED REPORT WRITING		S	
6630	526	1	407120427		SOFTWARE, APPLICATION CRW (JAPANESE VERSION) CRW		S	
6640	528	1	407175173		SOFTWARE, UTILITIES SUPER-TCP FOR WINDOWS FRONTIER TECHNOLOGIES INC.		S	
6650	530	1	847492642		KIT, SOFTWARE INFORMIX ENGLISH RUN-TIME 17-32		S	
6660	532	1	847492659		KIT, SOFTWARE INFORMIX ALS RUN-TIME 17-32		S	
6670	534	1	847492667		KIT, SOFTWARE INFORMIX ENGLISH RUN-TIME 9-16		S	
6680	536	1	847492675		KIT, SOFTWARE INFORMIX ALS RUN-TIME 9-16		S	
6690	538	1	847492683		KIT, SOFTWARE INFORMIX, SUNOS 4.1.2 (SOLARIS 1.X)		S	
6700	540	1	406593152		PRINTER, DOT MATRIX #577-17IN-540CPS-(220V,50HC) NCR-WICHITA		S	
6710	541	1	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA		S	
6720	542	1	847492691		KIT, HARDWARE LASER PRINTER		S	
6730	545	1	106611767	56C705AFAA	TERMINAL, KEYBOARD		S	
6740	547	1	847492709		KIT, HARDWARE GRAPHICS TERMINAL, ENGLISH		S	
6750	548	1	847492717		KIT, HARDWARE GRAPHICS TERM, JAPANESE		S	
6760	550	1	107245219	3610-J1-009	MODEM, DATA TRANSFER		S	
6770	551	1	107274763	4614J1-009	MODEM, DATA TRANSFER		S	
6780	552	1	107275216	4003-B2-500	CARRIER, APPARATUS		S	
6790	555	1	106597768	3810-A1-001	MODEM, DATA TRANSFER		S	
6800	556	1	106597826	3811-B1-001	MODEM, DATA TRANSFER		S	
6810	558	1	106238546	3510-A1-001	MODEM, MULTIRATE DATA SERV UNIT		S	
6820	559	1	106476245	3511-B1-002	MODEM, DATA TRANSFER		S	
6830	560	1	847492725		KIT, HARDWARE COMPHER 3000 CARRIER, 48V		S	
6840	561	1	847492733		KIT, HARDWARE COMPHER 3000 CARRIER, 110V 60HZ		S	
6850	562	1	847492741		KIT, HARDWARE COMPHER 3000 CARRIER, 220V 50HZ		S	
6860	563	1	847492758		KIT COMPHER 3000 CARRIER, JAPAN		S	
6870	564	1	107123572	#3000-F1-801	FAN, COOLING		S	
6880	565	1	107073868	#3810-A1-603	MODEM, DATA TRANSFER		S	
6890	566	1	107073850	3811-B1-003	MODEM, DATA TRANSFER		S	
6900	570	1	847492766		KIT, HARDWARE XYPLEX ROUTER		S	
6910	571	1	407174978		MODULE, POOL MODEM #N9-000-471 XYPLEX INC.		S	
6920	572	1	407198084		CABLE, INTERCONNECTING #CAB-V35MT CISCO		S	

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
6930	573	1	407174986		MODULE, DISTRIBUTION #N9-000-203 XYPLEX INC.		S	
6940	574	1	407201094		SOFTWARE, SUN NET MANAGER #SNM-2.2-46-P SUN MICROSYSTEMS		S	
6950	575	1	847493277		KIT, HARDWARE CISCO ROUTER		S	
6960	577	1	407225184		CARD #SOLIS-L-SW INTEGRATED SERVICES DISTN NET PC MBP SOFTWARE		S	
6970	578	1	407225176		CARD #SOLIS-L INTEGRATED SERVICES DISTN NET PC MBP SOFTWARE		S	
6980	580	1	847493285		KIT, HARDWARE STARLAN HUB		S	
6990	581	1	847493301		KIT, HARDWARE AUI ADAPTER		S	
7000	585	1	847493327		KIT, HARDWARE REMOTING		S	
7010	587	1	847493343		KIT, HARDWARE T1 TERM ADAPTER, JAPANESE		S	
7020	600	1	847493350		KIT, HARDWARE BT AVR		S	
7050	620	1	407174820		DOCUMENT, REFERENCE MANUAL SOLARIS 2.X SOL-D DOC SET SOLARIS		S	
7060	630	1	407224674		SOFTWARE, OPERATING #SNM-P SUN NET MANAGER SUN MICROSYSTEMS		S	
7070	631	1	407201425		CABLE ASSEMBLY, COMPUTER #CAB-V35-PC CISCO		S	
7080	633	1	407238047		ASSEMBLY, DATA CABLE #EYN450-MF 24GA, 100FT LG BLACK BOX		S	
7090	634	1	847493368		KIT, HARDWARE XYPLEX MOUNTING		S	
7100	636	1	847493376		KIT, HARDWARE CISCO MOUNTING		S	
7110	638	4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH		S	
7120	639	4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2		S	
7130	640	1	406803452		CORD, POWER #1249-C001-0030 NCR		S	
7140	641	1	407174838		CORD, POWER #1241-C001-002516GA, 3 CONDUCTOR, 72IN LG EUROPE AT&T GIS		S	
7150	642	1	407174846		CORD, POWER #1244-C001-002516GA, 3 CONDUCTOR, 72IN LG UK AT&T GIS		S	

STOCKLIST CONTINUED ON SHEET D11

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BT13
5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET OF D10 54

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
7160	643	1	407174853		CORD, POWER #1247-C001-002816GA, 3 CONDUCTOR, 72IN LG AUSTRALIAN AT&T GIS			
7170	644	1	407174861		CORD, POWER #1243-C001-002516GA, 3 CONDUCTOR, 72IN LG ITALY AT&T GIS			
7180	645	1	406808071		CORD, POWER #X941A 72IN LG, 18GA, 3 CONDUCTOR SUN			
7190	646	1	406807941		KIT, SPARE COUNTRY (UNIVERSAL) #X8301 SUN			
7200	647	1	406808063		CORD, POWER #X946A 72IN LG, 18GA, 3 CONDUCTOR SUN			
7210	648	1	406807933		KIT, SPARE COUNTRY (ITALY) #X8374 SUN			
7220	649	1	406808014		CORD, POWER #X492A 72IN LG, 18GA, 3 CONDUCTOR SUN			
7230	650	1	406807925		KIT, SPARE COUNTRY (UK) #X8307 SUN			
7240	651	1	406407247		PACKAGE, COUNTRY KIT #X300W SUN MICROSYSTEMS			
7500	175	1	847900693		KIT, HARDWARE			
7510	176	1	847900636		KIT, UPGRADE			
7520	177	1	847900701		KIT, HARDWARE			
7550	181	1	407700467		ADAPTER, RS232 #SC16 ABLE COMMUNICATIONS			
7560	181	2	407700475		ADAPTER, MALE TO MALE #90001110 ABLE COMMUNICATIONS			
7570	181	2	407700483		ADAPTER, MALE TO MALE #90001111 ABLE COMMUNICATIONS			
7790	182	1	407745827		INTERFACE, CONVERTER #WS-C2822 CISCO SYSTEMS INC.			
7800	183	1	848145496		KIT, HARDWARE			
7810	184	1	848256764		KIT, HARDWARE			
8000	KB1	1	407746791		KEYBOARD, UK VERSION #C3757-60413 HEWLETT PACKARD			
8010	KB2	1	407746809		KEYBOARD, SPANISH VERSION #C3757-60404 HEWLETT PACKARD			
8011	KB2A	1	408017226		KEYBOARD, PERSONAL COMPUTER #C4735A-#ABM HEWLETT PACKARD			
8020	KB3	1	407746817		KEYBOARD, CHINESE VERSION #C3757-60423 HEWLETT PACKARD			
8040	KB5	1	407746825		KEYBOARD, PORTUGUESE VERSION #C3757-60401 HEWLETT PACKARD			
8050	KB6	1	407746841		KEYBOARD, ARABIC/ENGLISH VERSION #C3757-60401 HEWLETT PACKARD			
8100	KB20	1	407319649		KIT, COMPUTER #X3540A E/W TYPE 5 COUNTRY KITS FOR US AND CANADA ONLY UNIX SUN MICROSYSTEMS			

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

ED5X216-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
8110	KB21	1	407120682		KIT, PARTS #X3546F SUN MICROSYSTEMS			
8120	KB22	1	407745900		KIT, COMPUTER #X3540A SUN MICROSYSTEMS			
8130	KB23	1	407745918		KIT, COMPUTER #X3572A SUN MICROSYSTEMS			
8140	KB24	1	407644186		KIT, KEYBOARD & MOUSE HARDWARE #X3571A SUN MICROSYSTEMS			
8150	KB25	1	407606680		KIT, APPLICATION #X3572A SUN MICROSYSTEMS			
8160	KB26	1	407473982		KIT, APPLICATION #X3576A SUN MICROSYSTEMS			
8500	SW1	1	847900644		KIT, SOFTWARE			
8510	SW2	1	847900651		KIT, SOFTWARE			
8600	SW10	1	847900677		KIT, COMPUTER			
8610	SW11	1	847900685		KIT, SOFTWARE			
8620	SW12	1	847900669		KIT, SOFTWARE			
8630	SW13	1	847953916		KIT, SOFTWARE			
8640	SW14	1	848256780		KIT, SOFTWARE			
8650	SW15	1	848279535		KIT, SOFTWARE,			
8700	SW20	1	848279519		KIT, SOFTWARE, ENGLISH			
8710	SW21	1	848279527		KIT, SOFTWARE, ARABIC			
8800	SW30	1	407647478	MSWIN95	PACKAGE, WINDOWS 95			
8810	SW31	1	407029149		PACKAGE, MICROSOFT #MSWIN3.1 NCR			
8820	SW32	1	407746239		PACKAGE, WINDOWS NT, ENGLISH #MSWINNT MICROSOFT			
8830	SW33	1	407746213		PACKAGE, WINDOWS 95, JAPANESE #MSWIN95 MICROSOFT			
8840	SW34	1	407746221		PACKAGE, WFW 3.11 JAPANESE #MSWFW31 MICROSOFT			
8850	SW35	1	407746247		PACKAGE, WINDOWS NT, JAPANESE #MS WINNT MICROSOFT			
8860	SW40	1	407719400		SOFTWARE, NET TCP/IP INFORMIX #102-02331-121147-3 INFORMIX			
8870	SW41	1	407719491		SOFTWARE, NET TCP/IP INFORMIX #102-09431-121147-3 INFORMIX			

STOCKLIST CONTINUED ON SHEET D12

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5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET D11 OF 54

PRINTED IN U.S.A.

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
8880	SW42	1	407746254		SOFTWARE, APPLICATION #102-02331-025230-1 INFORMIX			
8885	SW43	1	407746262		SOFTWARE, APPLICATION #X102-02331-025230-1 INFORMIX			
8890	SW44	1	407725662		SOFTWARE, NET TCP/IP INFORMIX #102-02331-025571-1 INFORMIX			
8895	SW45	1	407746288		SOFTWARE, APPLICATION #X102-02331-025571-1 INFORMIX			

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5ESS SWITCHING EQUIPMENT
TERMINAL AND PROCESSOR CONNECTION
FOR
OPERATOR SERVICES POSITION SYSTEM
EXPORT

DWG SIZE C2 ISSUE 34

ED5X216-30

LUCENT TECHNOLOGIES INC ED5X216-30

SHEET D12 OF 54

PRINTED IN U.S.A.