

ISSUE NOTES (CONTINUED)				
TABLE A GROUP 5D, 99, 105, 526, K1 RATED DA. TABLE A GROUP 5E, 10, 21, 51, 106 THRU 123, K2 THRU K20 ADDED. NOTES 52, 55, 61, 63, 153, 162, 164, 166 CHGD NOTE 66 ADDED. SL ITEMS 1103, 1402 THRU 1414, 3500 THRU 3517, AND 6501 THRU 6519 ADDED. SL ITEMS 1101 AND 1102 CHGD. PROVIDES CABINET MOUNTING HARDWARE, MIRRORED DISK KIT, AND CABLES				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-7 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 02/28/97	ISSUE: 10
TABLE A GROUP 1E ADDED. TABLE A GROUP 1D AND 537 RATED DA. TABLE A GROUPS 4, 5E, 6, 7, 8, 9, 15, 15A, 20B, 30A, 31A, 40 THRU 43, 101, 102, 103, AND 104 CHGD. NOTE 13 & 14 ADDED. ST ITEMS 1300 & 1310 CHGD. ISSUE NOTE 10 REFERENCE TO GROUP 10 IS AN ERROR. ENG NOTES 61 AND 63 CHGD. ST ITEM 1016 AND 1415 ADDED. PROVIDES 170MHZ WORKSTATION.				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-8 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 05/27/97	ISSUE: 11
TABLE A GROUP 3D, 20C AND 21A ADDED. NOTE 67 ADDED. NOTE 61, 63 CHGD. ST ITEMS 1038, 1234 AND 1404 ADDED. ST ITEM 1403 CHGD. TABLE A GROUP 3C RATED DA. PROVIDES 4.2GB DISK FOR 5E12. REPLACES DAT DUE TO DA. CHANGE TAG NDD044 CASE A6044				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-9 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 07/03/97	ISSUE: 12
TABLE A GROUP 52 ADDED. ENG NOTE 68 ADDED. ST ITEMS 1420 THRU 1423 ADDED ADDS MOUNTING FOR EXTERNAL NETWORK CLOCK CASE: A6048 CHANGE TAG NDD048				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-10 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 12/11/97	ISSUE: 13
TABLE A GROUP 4A, 4B, 10, AND 53 ADDED. TABLE A GROUP 4 CHGD. ST ITEMS 1041, 1041, 1105, 1106, 1107, 1425 THRU 1427 ADDED. NOTE 15 ADDED. ENG NOTE 61 AND 63 CHGD. CHANGE TAG #NDD054 CASE #A6054				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-11 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 03/02/98	ISSUE: 14

ISSUE NOTES (CONTINUED)				
THE FOLLOWING ADDITIONS PROVIDE A TABLE OF RECOMMENDED SPARES FOR VCDX APPLICATIONS. IN TABLE A GROUPS 200, 201, 535 AND 536 ADDED. STOCK LIST ITEMS 3060, 3070, 5800 AND 5810 ADDED. MANUFACTURING NOTE 12 ADDED. ENGINEERING NOTES 65 AND 167 ADDED. MISC TABLE SP ADDED. *****PT7.0 TPS***** ENG. NOTES 61 AND 162 CHGD. ENG. NOTES 62 AND 163 RMVD. IN TABLE A GROUPS 20A AND 516 CHGD. PER OCW PT. ISS. 5.1.				
ORIG ISS: 02/01/93 NDD NBR: 5D764IH-3 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: PCF	CERTIFIED: 04/24/95	ISSUE: 7
TABLE A GROUPS 1A, 1B, 3, 3A, 5A, 5B, 20, 33, AND 34 RATED DA. TABLE A GROUPS 1C, 3B, AND 5C ADDED. ENG NOTES 61, 57, AND 63 CHGD. SL ITEMS 1014, 1036, 1058 & 1059 ADDED. TABLE A GROUPS 4, 6, 7, 8, 9, 15, 15A, 20A, 30, 31, 40 THRU 43, AND 100 THRU 104 CHGD. NOTE 12 & SL ITEMS 3060, 3070, 5800, AND 5810 CHGD. PROVIDES 85MHZ SPARCSTATION 5 AND 68PIN DAT. *****PT8 OCW ***** ST ITEM 3051 ADDED AND ST ITEM 3050 LINED OUT. PER OCW POINT ISSUE.				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-4 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: PCF	CERTIFIED: 03/05/96	ISSUE: 8
GROUP 1C, 3B, 5C, 20A, 30, 31, 100, 500, 501 THRU 506, 515, THRU 520, AND 530 RATED DA. GROUP 1D, 3C, 5D, 20B, 30A, 31A, 537 THRU 541, AND K1 ADDED. GROUP 4, 6, 7, 8, 9, 15, 15A, 40, 41, 42, 43, 101, 102, 103, AND 104, NOTE 12, 61, 63, 65, 162, 164, 165 CHGD. SHEET 10B ADDED. SHEET 9B, TABLE SP, D4 AND D5 CHGD. ST ITEMS 1015, 1037, 1100 THRU 1102, 1233, 1241, 1251, 5812 THRU 5820, AND 6500 ADDED. PROVIDES 110MHZ SPARC5, DAT, DISK, MTTY. GROUP 1C, 3B, 5C, 20A, 30, 31, 100, 500, 501 THRU 506, 515, THRU 520, AND 530 RATED DA. GROUP 1D, 3C, 5D, 20B, 30A, 31A, 537 THRU 541, AND K1 ADDED. GROUP 4, 6, 7, 8, 9, 15, 15A, 40, 41, 42, 43, 101, 102, 103, AND 104, NOTE 12, 61, 63, 162, 164, AND 165 CHGD. SHEET 10B ADDED. SHEET 9B, TABLE SP, D4 AND D5 CHGD. ST ITEMS 1015, 1037, 1100 THRU 1102, 1233, 1241, 1251, 5812 THRU 5820, AND 6500 ADDED. PROVIDES 110MHZ SPARC5, DAT, DISK, MTTY.				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-6 CHANGE CLASS: B				
DRAFT: CES	ENGR: CES	SUPV: CDH	CERTIFIED: 07/11/96	ISSUE: 9

ISSUE NOTES				
ORIG ISS: 02/01/93 NDD NBR: NDD5D764NW-1 CHANGE CLASS:				
DRAFT: TMR	ENGR: TMR	SUPV: PK	CERTIFIED: 02/01/93	ISSUE: 1
ISSUE 2 DISCONTINUES THE USE OF THE SPARC CLASSIC AND REPLACES IT WITH THE SPARC IPX. GROUPS 1,2,5,6 & 16 ARE RATED DA, GROUPS 1A, 3A,5A,8A,9A,17A,17B,18,33,34,100,101,102,103 & 104 ARE ADDED, STOCKLIST ITEMS 1011,1035,1055,1082,1092,1222,1226,1228,3000, 3010,3020,3030 & 3040 ARE ADDED. GRAPHIC SHEETS ADDED: B3 - BASIC CONFIGURATION B4 - ISCN CONFIGURATION B5 - MAXIMUM CONFIGURATION				
ORIG ISS: 02/01/93 CHANGE CLASS: B				
DRAFT: JLW	ENGR: JLW	SUPV: JBC	CERTIFIED: 01/18/94	ISSUE: 2
ISSUE 3 ADDS INSTALLATION DOCUMENTATION AS AN ORDERABLE GROUP 99. ALSO CORRECTS TABLE A AND STOCKLIST WITH CHANGES FROM FOA REVIEW. CORRECT GROUP 33 TABLE A AND STOCKLIST MISMATCH. GROUPS 34 AND 99 ARE ADDED AND STOCKLIST ITEMS 1080, 1090, 1280, 1290 AND 2995 WERE MODIFIED. REFERENCE TO RS232 RESET CABLES WERE DELETED FROM GRAPHIC SHEETS B3, B4, AND B5.				
ORIG ISS: 02/01/93 NDD NBR: NDD5D764NW-3 CHANGE CLASS: MF				
DRAFT: JLW	ENGR: JLW	SUPV: JBC	CERTIFIED: 04/08/94	ISSUE: 3
ISSUE 4 INTRODUCES THE USE OF THE SPARC SERVER 5 FOR THE AWS- SM2000 AND VCDX PROJECTS. IN TABLE A GROUPS 1A, 3, 3A, 4, 5A, 6, 7, 8, 9, 15, 17A, 17B, 20, 30, 31, 33, 34, 40, 41, 42, 43, 44, 99, 100, 101, 102, 103 AND 104 CHG'D. GROUPS 8A, 9A, 17, 18, 32 AND 50 RATED "DA". GROUPS 1B, 5B, 15A, 20A AND 105 ADDED. STOCKLIST RECORDS 1013, 1057, 1205, 1232 AND 3050 ADDED. ENGINEERING NOTES 51 THROUGH 64 ADDED. GRAPHICS SHEETS B6, B7 AND B8 ADDED.				
ORIG ISS: 02/01/93 NDD NBR: 5D764NW-4 CHANGE CLASS: B				
DRAFT: JGW	ENGR: JGW	SUPV: PCF	CERTIFIED: 08/29/94	ISSUE: 4
THIS ISSUE INTRODUCES GRAPHICS SHEETS CHANGES TO CLARIFY THE BLACK BOX DESCRIPTION (SHT 8) AND TO SHOW THE PROPER CONFIGURATION FOR THE GROUP 5B CABLES (SHTS 6,7,8). ALSO INTRODUCED IS A NEW TRANSCIEVER FOR IMPROVED ELECTROMAGNETIC COMPATIBILITY MARGINS. STOCKLIST RECORD 1070 LINED OUT. STOCKLIST RECORD 1075 ADDED.				
ORIG ISS: 02/01/93 NDD NBR: 5D764IH-1 CHANGE CLASS: B				
DRAFT: JGW	ENGR: JGW	SUPV: PCF	CERTIFIED: 12/12/94	ISSUE: 5
GROUP 500 TO 526, 530 TO 534; ENG NOTES 151 TO 166; TABLE D4, D5; ADDED FOR GPI CONVERSION.				
ORIG ISS: 02/01/93 NDD NBR: 5D764IH-2 CHANGE CLASS: B				
DRAFT: RJB	ENGR: RJB	SUPV:	CERTIFIED: 01/11/95	ISSUE: 6

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ISSUE										
SHT NBR	D1 THRU D5 ISSUE 19									
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BT13	
ADMINISTRATIVE WORKSTATION FOR 5ESS-2000 SWITCHING SYSTEM	
DWG SIZE C2	ISSUE 19
LUCENT TECHNOLOGIES INC ED5D764-30	
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ENGINEERING NOTES

51. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING A WORKSTATION FOR AWS CONNECTED TO A SM USING 5EE6.1 OR 5EE6.2.

GROUP	QUANTITY	DESCRIPTION
1A	1	SPARC IPX WITH 48MB RAM & 1.05GB DISK
3	1	4MM DAT TAPE UNIT
3A	1	POWER CORD FOR TAPE UNIT
4	1	SERIES/PARALLEL INTERFACE
5A	1	MTTY CABLES
7	1	ETHERNET TRANSCEIVER
8	1	ETHERNET TEE CONNECTOR
9	1	ETHERNET TERMINATION RESISTOR
30 OR	?	MTTY TERMINAL 120VAC AT 60HZ.
31	?	MTTY TERMINAL 220VAC AT 50HZ.
33	1	NULL MODEM ADAPTER
34	1	GENDER CHANGER
40 OR	?	PRINTER, MEDIUM RESOLUTION 120 VAC,60 HZ
41 OR	?	PRINTER, MEDIUM RESOLUTION 220 VAC,50 HZ
42 OR	?	PRINTER, HIGH RESOLUTION 120 VAC, 60 HZ
43 OR	?	PRINTER, HIGH RESOLUTION 220 VAC, 60HZ
44	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE ARE DESCRIBED IN NOTES 54, 55, 56, 57, 58, 59 AND 60.

52. A TERMINAL SELECTION IS REQUIRED DEPENDING UPON AVAILABLE AC VOLTAGE. ONE OF THE FOLLOWING GROUPS MUST BE ORDERED.

GROUP	COMCODE	POWER SUPPLY CHARACTERISTICS
\$30	406854182	98 TO 132 VAC AT 50/60 HZ.---
\$31	406854190	196 TO 264 VAC AT 50/60 HZ.---
30A	407552488	98 TO 132 VAC AT 50/60 HZ.
31A	407552496	196 TO 264 VAC AT 50/60 HZ.

53. A PRINTER SELECTION IS REQUIRED DEPENDING UPON MEDIUM OR HIGH RESOLUTION AND UPON AVAILABLE AC POWER. ONE OF THE FOLLOWING GROUPS MUST BE ORDERED.

GROUP	RESOLUTION	COMCODE	POWER SUPPLY CHARACTERISTICS
40	MEDIUM	406753038	120 VAC AT 60 HZ.
41	MEDIUM	406891994	220 VAC AT 50 HZ.
42	HIGH	406217158	120 VAC AT 60 HZ.
43	HIGH	406593152	220 VAC AT 50 HZ.

54. IF CONNECTION TO A SUPPORTED OPERATING SYSTEM ENVIRONMENT SUCH AS MFOS, BILDATS OR SCANS IS NEEDED THE FOLLOWING GROUP MUST BE ORDERED: (SEE NOTE 55 FOR CABLE ADAPTER)

GROUP	QUANTITY	DESCRIPTION
\$15	1	PROVIDES UP TO 4 CONNECTOR POSITIONS---
15A	1	PROVIDES UP TO 4 CONNECTOR POSITIONS

55. IN ADDITION TO THE HIGH SPEED INTERFACE (GROUP 15 OR 15A) A CABLE ADAPTER BOX (GROUP 17A OR 17B) AND CABLE (G 106-110) MAY BE REQUIRED DEPENDING UPON THE OPERATING SYSTEM ENVIRONMENT. A MAXIMUM OF 4 BOXES AND CABLES CAN BE ORDERED. CABLE LENGTH IS TO BE JOB ENGINEERED. CABLE ADAPTER BOX GROUP SELECTION IS BASED UPON AVAILABLE AC POWER.

GROUP	COMCODE	POWER SUPPLY CHARACTERISTICS
17A	406697722	120 VAC AT 60 HZ.
17B	406229880	220 VAC AT 50 HZ.

56. OPTIONAL 2ND DISK DRIVE. EXTERNAL 1.05 GIGABYTE HARD DISK DESKTOP UNIT. CAN BE ORDERED ADDED TO BASE SYSTEM, SEE NOTE 51, MAXIMUM OF 1 GROUP 20 PER GROUP 1A.

57. INSTALLATION DOCUMENTATION CAN BE ORDERED ADDED TO BASE SYSTEM, SEE NOTE 51, MAXIMUM 1 GROUP 99 PER GROUP \$1A\$ 1B.

58. ADDITIONAL TERMINALS CAN BE ORDERED, THESE ARE AMBER SCREEN NOT COLOR. A MAXIMUM OF 6 GROUP 100 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTIC
100	100-240 VAC AT 50/60 HZ.

59. DIAL UP MODEM CAN BE ORDERED, THESE CONNECT TO PORTS ON THE SERIAL PARALLEL CONNECTOR PANEL. A MAXIMUM OF 6 GROUP 101 OR 102 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTICS
101	120 VAC AT 60 HZ.
102	220 VAC AT 50 HZ.

----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

GRAPHIC SHEETS B1-B5 CORRECTED. CHANGES WERE MADE PER OCV POINT ISSUES.

ORIG ISS: 02/01/93

CHANGE CLASS: M

DRAFT: RRJ ENGR: RRJ SUPV: CDH CERTIFIED: 04/05/00 ISSUE: 19

ISSUE NOTES (CONTINUED)

TABLE A GROUPS 35, 36, 46, 47, AND 48 ADDED. CHGD. ST ITEMS 1021, 1022, 1235, 1236, 1291, 1405, 1406, 1424, 1500 THRU 1555 ADDED. ST ITEMS 1038, 1234, 1404, AND 1422 LINED OUT. TABLE A GROUPS 106 THRU 110 CHGD. NOTE 61, 63, AND 69 CHGD. TABLE SP CHGD. PROVIDES 128MB MEMORY FOR SPARC5, REMOTE ROP, AND TNM CONNECTION. CASE #A6062

ORIG ISS: 02/01/93 NDD NBR: NDD5D764NW-12 CHANGE CLASS: B

DRAFT: CES ENGR: JLK SUPV: CDH CERTIFIED: 08/26/98 ISSUE: 15

TBL A GPS 3E,54 AND 55 ADDED. ST ITEMS 1536,1023,1024,1428 AND 1429 ADDED. ST 1535, TBL A 200, 201, NOTES 54, 61, 63 AND 67 CHGD IN TBL A GPS 3D, 15, 20B AND 21 RATED "DA". PROVIDES 12-24 GB DDS-3 DAT DRIVE. #A6077

ORIG ISS: 02/01/93 NDD NBR: 5D764NW-13 CHANGE CLASS: B

DRAFT: RRJ ENGR: RRJ SUPV: CDH CERTIFIED: 04/27/99 ISSUE: 16

TA GROUPS 20C AND 21A RATED DA. EN 61, 63, AND 67 CHGD. TA GROUPS 20D AND 21B ADDED. ST ITEMS 1040, 1041, AND 1205 LINED OUT. TA GROUPS 118 THRU 123 CHGD. LIST 21B ADDED TO ST ITEM 1403. ST ITEMS 1043, 1044, 1206, 1237, 1238, 1407, AND 1408 ADDED. MISCELLANEOUS TABLE SP CHGD. PROVIDES 9.1GB DISK DRIVE. #A6083

ORIG ISS: 02/01/93 NDD NBR: NDD5D764NW-15 CHANGE CLASS: B

DRAFT: RRJ ENGR: RRJ SUPV: CDH CERTIFIED: 07/30/99 ISSUE: 17

ADDED EN 500. CHGD GROUPS 3E, 5E, 6 THRU 9, 15A, 17A, 17B, 20D, 30A, 31A, 40 THRU 43, 46 THRU 48, 54, 55, 101 THRU 104, 200 AND 201.

ADDED EN 500 TO DESIGNATE GROUPS AS MAIN OR SUPPLEMENTAL ITEMS. *****

ADDED EN 70. CHGD GROUP 1E. ADDED EN 70 TO INDICATE THAT ALL 5E14 USERS SHOULD USE THE ED5D764-35 DRAWING (NETRA-T) INSTEAD OF ED5D764-35 (SPARC5). *****

ADDED EN 71. CHGD GROUP 21B. ADDED EN 71 TO INDICATE THAT A 9.1GB DRIVE ONLY USES A CAPACITY OF 4.2GB. *****

CHGD GROUPS 106 THRU 110 TO DESIGNATE THEM AS MAIN ITEMS ONLY. *****

CHGD GROUP 4A TO CORRECT A TYPO. *****PT 17.1*****

ST ITEM 1300 LINED OUT. ST ITEM 1305 ADDED. CHANGE WAS MADE PER OCV POINT ISSUE 17.1. *****

EN 67 CHGD. TA GROUP 21B CHGD. MISC TABLE SP CHGD. ST ITEMS 1226, 1237, 1291, 1407 AND 1060 LINED OUT. ST ITEMS 1227, 1239, 1292, 1409, AND 1061 ADDED. CHGD THREE PART NUMBERS AND PROVIDED NEW 9.1GB DISK DRIVE. #A6089

ORIG ISS: 02/01/93 NDD NBR: NDD5D764NW-16 CHANGE CLASS: B

DRAFT: RRJ ENGR: RRJ SUPV: CDH CERTIFIED: 03/10/00 ISSUE: 18

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BT13

ADMINISTRATIVE WORKSTATION
 FOR 5ESS-2000
 SWITCHING SYSTEM

DWG SIZE C2 ISSUE 19

ENGINEERING NOTES

***** CONTINUED *****

508	1	ETHERNET TRANSCEIVER
509	1	ETHERNET TEE CONNECTOR
510	1	ETHERNET TERMINATION RESISTOR
517 OR	1	MAINTENANCE TTY TERMINAL 120 VAC AT 60 HZ.
518	1	MAINTENANCE TTY TERMINAL 220 VAC AT 50 HZ.
519	1	NULL MODEM ADAPTER
520	1	GENDER CHANGER
521 OR	1	MEDIUM RESOLUTION 120 VAC 60 HZ. PRINTER
522 OR	1	MEDIUM RESOLUTION 220 VAC 50 HZ. PRINTER
523 OR	1	HIGH RESOLUTION 120 VAC 60 HZ. PRINTER
524	1	HIGH RESOLUTION 220 VAC 50 HZ. PRINTER
525	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE ARE DESCRIBED IN NOTES 155, 156, 157, 158, 159, 160 AND 161.

153. A TERMINAL SELECTION IS REQUIRED DEPENDING UPON AVAILABLE AC VOLTAGE. ONE OF THE FOLLOWING GROUPS MUST BE ORDERED.

GROUP	COMCODE	POWER SUPPLY CHARACTERISTICS
\$517	406854182	98 TO 132 VAC AT 50/60 HZ.--\$
\$518	406854190	196 TO 264 VAC AT 50/60 HZ.--\$
540	407552488	98 TO 132 VAC AT 50/60 HZ.
541	407552496	196 TO 264 VAC AT 50/60 HZ.

154. A PRINTER SELECTION IS REQUIRED DEPENDING UPON MEDIUM OR HIGH RESOLUTION AND UPON AVAILABLE AC POWER. ONE OF THE FOLLOWING GROUPS MUST BE ORDERED.

GROUP	RESOLUTION	COMCODE	POWER SUPPLY CHARACTERISTICS
521	MEDIUM	406753038	120 VAC AT 60 HZ.
522	MEDIUM	406891994	220 VAC AT 50 HZ.
523	HIGH	406217158	120 VAC AT 60 HZ.
524	HIGH	406593152	220 VAC AT 50 HZ.

155. IF CONNECTION TO A SUPPORTED OPERATING SYSTEM ENVIRONMENT SUCH AS MFOS, BILDATS OR SCANS IS NEEDED THE FOLLOWING GROUP MUST BE ORDERED: (SEE NOTE 156 FOR CABLE ADAPTER)

GROUP	QUANTITY	DESCRIPTION
511 OR	1	PROVIDES UP TO 4 CONNECTOR POSITIONS
512		

156. IN ADDITION TO THE HIGH SPEED INTERFACE (GROUP 511 OR 512) A CABLE ADAPTER BOX (GROUP 513 OR 514) AND CABLE (SEE NOTE 166) MAY BE REQUIRED DEPENDING UPON THE OPERATING SYSTEM ENVIRONMENT. A MAXIMUM OF 4 BOXES AND CABLES CAN BE ORDERED. CABLE ADAPTER BOX GROUP SELECTION IS BASED UPON AVAILABLE AC POWER.

GROUP	COMCODE	POWER SUPPLY CHARACTERISTICS
513	406697722	120 VAC AT 60 HZ.
514	406229880	220 VAC AT 50 HZ.

157. OPTIONAL 2ND DISK DRIVE. EXTERNAL 1.05 GIGABYTE HARD DISK DESKTOP UNIT. CAN BE ORDERED ADDED TO BASE SYSTEM, SEE NOTE 152, MAXIMUM OF 1 GROUP 515 PER GROUP 500.

158. INSTALLATION DOCUMENTATION CAN BE ORDERED ADDED TO BASE SYSTEM, SEE NOTE 152, MAXIMUM 1 GROUP 526 PER GROUP 500.

159. ADDITIONAL TERMINALS CAN BE ORDERED, THESE ARE AMBER SCREEN NOT COLOR. A MAXIMUM OF 6 GROUP 530 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTIC
530	100-240 VAC AT 50/60 HZ.

160. DIAL UP MODEM CAN BE ORDERED, THESE CONNECT TO PORTS ON THE SERIAL PARALLEL CONNECTOR PANEL. A MAXIMUM OF 6 GROUP 531 OR 532 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTICS
531	120 VAC AT 60 HZ.
532	220 VAC AT 50 HZ.

161. DIAL UP MODEM CONNECTIONS TO THE HIGH SPEED INTERFACE CONNECTOR CAN BE ORDERED IN ADDITION TO GROUPS 511 OR 512 AND 513 OR 514. A MAXIMUM OF 4 GROUP 533 OR 534 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTICS
533	120 VAC AT 60 HZ.
534	220 VAC AT 50 HZ.

162. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING
----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

***** CONTINUED *****

8	1	ETHERNET TEE CONNECTOR
9	1	ETHERNET TERMINATING RESISTOR
10	1	SBUS MARKING LABELS
15A	1	HIGH SPEED INTERFACE
\$20A	2	PAIR OF 2.1 GIGABYTE EXTERNAL HARD DISKS\$
\$20B OR	2	PAIR OF 2.1 GIGABYTE EXTERNAL HARD DISKS\$
\$20C	2	PAIR OF 4.2 GB EXTERNAL DISKS - 5E12 \$
20D	2	PAIR OF 9.1 GB EXTERNAL DISKS
\$30 OR	?	MAINTENANCE TTY 120 VAC 60 HZ-----\$
30A OR	?	MAINTENANCE TTY 120 VAC 60 HZ
\$-31	?	MAINTENANCE TTY 220 VAC 50 HZ-----\$
31A	?	MAINTENANCE TTY 220 VAC 50 HZ
\$33	1	NULL MODEM CONNECTOR-----\$
35	1	MEMORY EXPANSION 128MB-ALWAYS REQUIRED
40 OR	?	MEDIUM RESOLUTION 120 VAC 60HZ PRINTER
41 OR	?	MEDIUM RESOLUTION 220 VAC 50HZ PRINTER
42 OR	?	HIGH RESOLUTION 120 VAC 60 HZ PRINTER
43	?	HIGH RESOLUTION 220 VAC 50 HZ PRINTER
44	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE FOR VCDX CAN BE ORDERED AT INITIAL SHIPMENT ARE DESCRIBED IN NOTES 55, 58, 59, 60 AND 64.

64. A SECOND 4MM DAT TAPE UNIT CAN BE ORDERED. A MAXIMUM OF 2 DAT TAPE DRIVES CAN BE ORDERED.

GROUP	QUANTITY	DESCRIPTION
3	1	SECOND 4MM DAT TAPE UNIT

65. 200 SERIES GROUPS CAN BE USED TO ORDER EQUIPMENT FOR SPARES OR REPLACEMENT. SEE MISC TABLE SP. THE 200 SERIES GROUPS SHOULD ALWAYS BE ORDERED WITH THE CURRENT SPARCSERVER ON A SINGLE ORDER SO THAT THE 200 SERIES GROUPS WILL BE INSTALLED IN THE SPARCSERVER. SEE MANUFACTURING NOTE 12.

66. FOR INTERNATIONAL SYSTEMS RUNNING 5EE8 OR LATER, MIRRORED DISKS ARE REQUIRED. GROUP 21 PROVIDES A SUN UNIPACK SCSI 2.1 GB DISK AND TWO SCSI CABLES (50 TO 68 PIN AND 68 TO 68 PIN) FOR CONNECTION TO A SYSTEM EQUIPPED WITH ONLY ONE EXTERNAL SCSI DISK.

67. FOR SOFTWARE RELEASES 5E12 OR HIGHER IN NAR AND 5EE12 OR HIGHER IN INTL, A 4.2GB OR LARGER EXTERNAL SCSI HARD DISK DRIVE IS REQUIRED. 4.2GB OR LARGER DISK DRIVES MAY ALSO BE USED WITH PRE 5E12 OR 5EE12 RELEASES. SEE A SPECIAL PROCEDURE TO INITIALIZE A NEW HARD DRIVE ON THE SPARC5. TO USE 4.2GB OR LARGER CAPACITY DRIVES, THE SPARCSTATION MUST HAVE ROM VERSION 2.25 OR LATER. FOR INTERNATIONAL SYSTEMS RUNNING 5EE8 OR LATER, MIRRORED DISKS ARE REQUIRED.

68. GROUP 52 PROVIDES MOUNTING EQUIPMENT FOR AN HP55400A NETWORK SYNCHRONIZATION UNIT. THE EXTERNAL NETWORK CLOCK PROVIDES STRATUM 2 OR STRARUM 3 CLOCK STABILITY. THE HP55400A UNIT IS SUPPLIED BY THE CUSTOMER AND IS NOT PART OF THE 5ESS-2000 VCDX SWITCH. THE HP UNIT HAS BEEN FUNCTIONALLY VERIFIED BUT HAS NOT BEEN TESTED FOR SWITCHING SYSTEMS ENVIRONMENTAL AND REGULATORY STANDARDS.

CABLES FOR CONNECTING AN EXTERNAL NETWORK CLOCK UNIT, SUCH AS AN HP55400A, MAY BE ORDERED FROM ED5D765-11. CABLE LENGTHS ARE SPECIFIED BY THE LINE ENGINEER.

FOR INTERNATIONAL 30 CHANNEL 5EE8 OR GREATER APPLICATIONS.

69. THIS DATALINK FOR TNM (TOTAL NETWORK MANAGEMENT), ALSO KNOWN AS SCC (SWITCHING CONTROL CENTER), REQUIRES 5E13(1) SOFTWARE RELEASE UPDATE.

70. SPARC 5.0 DOESN'T SUPPORT NEW STARTS OF 5E14 SOFTWARE OR LATER. SEE DRAWING ED5D764-35 FOR 5E14 OR LATER.

71. THE 9.1 GIGABYTE SCSI HARD DISK DRIVE ONLY REQUIRES A MAXIMUM CAPACITY OF 4.2 GIGABYTES INSTEAD OF 9.1 GIGABYTES.

151. THIS LIST IS NOT GENERALLY AVAILABLE, BUT IS INTENDED TO SUPPORT FACTORY OFFLOADS FROM NETWORK SYSTEMS INTERNATIONAL (NSI).

152. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING A WORKSTATION FOR AWS CONNECTED TO A SM USING 5EE6.1 OR 5EE6.2.

GROUP	QUANTITY	DESCRIPTION
500	1	SPARC IPX WITH 48MB RAM & 1.05GB DISK
502	1	4MM DAT TAPE UNIT
503	1	POWER CORD FOR TAPE UNIT
504	1	SERIES/PARALLEL INTERFACE
505	2	MTTY CABLES
507	1	ETHERNET DROP CABLE

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ENGINEERING NOTES

***** CONTINUED *****

60. DIAL UP MODEM CONNECTIONS TO THE HIGH SPEED INTERFACE CONNECTOR CAN BE ORDERED IN ADDITION TO GROUPS 15 OR 15A AND 17A OR 17B. A MAXIMUM OF 4 GROUP 103 OR 104 CAN BE ORDERED.

GROUP	POWER SUPPLY CHARACTERISTICS
103	120 VAC AT 60 HZ.
104	220 VAC AT 50 HZ.

61. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING A WORKSTATION CONFIGURATION FOR AN AWS CONNECTED TO A SM2000 FOR INTERNATIONAL APPLICATIONS.

GROUP	QUANTITY	DESCRIPTION
\$-1B	1	SPARCSERVER 5-----\$
\$-1C	1	SPARCSERVER 5 (85MHZ)-----\$
\$-1D	1	SPARCSERVER 5 (110MHZ)-----\$
1E	1	SPARCSERVER 5 (170MHZ)
\$-3	1	4MM DAT TAPE UNIT-----\$
\$-3A	1	DAT UNIT POWER CORD-----\$
\$-3B	1	4MM DAT UNIT-----\$
\$-3C	1	4MM DAT UNIT-----\$
\$-3D	1	4MM DDS-2 DAT UNIT W/50-68 PIN CABLE-----\$
3E	1	4MM DDS-3 DAT UNIT W/50-68 PIN CABLE
4	1	SERIES/PARALLEL INTERFACE-0 (S/PI-0)
\$-5B	2	RS-232, DB-25 CABLE-----\$
\$-5C	1	RS-232, DB-25 CABLES-----\$
\$-5D	1	RS-232, DB-25 CABLES-----\$
5E	1	RS-232, DB-25 CABLES
6	1	ETHERNET DROP CABLE ADAPTOR
7	1	ETHERNET TRANSCEIVER
8	1	ETHERNET TEE CONNECTOR
9	1	ETHERNET TERMINATING RESISTOR
10	1	SBUS MARKING LABELS
\$20A	1	1ST 2.1 GIGABYTE HARD DISK-----\$
\$20B	2	PAIR OF 2.1 GIGABYTE EXTERNAL HARD DISKS\$
\$20C	2	PAIR OF 4.2 GIGABYTE EXTERNAL HARD DISKS\$
20D	2	PAIR OF 9.1 GIGABYTE EXTERNAL HARD DISKS
\$30 OR	?	MTTY TERMINAL 120VAC, AT 60 HZ.-----\$
30A OR	?	MTTY TERMINAL 120VAC, AT 60 HZ.
\$-31	?	MTTY TERMINAL 220VAC, AT 50 HZ.-----\$
31A	?	MYTT TERMINAL 220VAC, AT 50 HZ.
\$-33	1	NULL MODEM CONNECTOR-----\$
35	1	MEMORY EXPANSION 128MB-ALWAYS REQUIRED
40 OR	?	MEDIUM RESOLUTION 110VAC 60HZ PRINTER
41 OR	?	MEDIUM RESOLUTION 220VAC 50HZ PRINTER
42 OR	?	HIGH RESOLUTION 110VAC 60HZ PRINTER
43	?	HIGH RESOLUTION 220VAC 50HZ PRINTER
44	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE FOR AWS-SM2000 CAN BE ORDERED AT INITIAL SHIPMENT ARE DESCRIBED IN NOTES 54, 55, 57, 58, 59, 60 AND 64.

63. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING A WORKSTATION CONFIGURATION FOR A VCDX CONNECTED TO A SM2000 FOR 5ESS DOMESTIC APPLICATIONS.

GROUP	QUANTITY	DESCRIPTION
\$-1B	1	SPARCSERVER 5-----\$
\$-1C	1	SPARCSERVER 5 (85MHZ)-----\$
\$-1D	1	SPARCSERVER 5 (110MHZ)-----\$
1E	1	SPARCSERVER 5 (170MHZ)
\$-3	1	4MM DAT TAPE UNIT-----\$
\$-3A	1	DAT UNIT POWER CORD-----\$
\$-3B	1	4MM DAT UNIT-----\$
\$-3C	1	4MM DAT UNIT-----\$
\$-3D	1	4MM DDS-2 DAT UNIT W/50-68 PIN CABLE-----\$
3E	1	4MM DDS-3 DAT UNIT W/50-68 PIN CABLE
4	1	SERIES/PARALLEL INTERFACE-0 (S/PI-0)
\$-5B	2	RS-232, DB-25 CABLE-----\$
\$-5C	1	RS-232, DB-25 CABLES-----\$
\$-5D	1	RS-232, DB-25 CABLES-----\$
5E	1	RS-232, DB-25 CABLES MTTY
6	1	ETHERNET DROP CABLE ADAPTOR
7	1	ETHERNET TRANSCEIVER

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ADMINISTRATIVE WORKSTATION
FOR 5ESS-2000
SWITCHING SYSTEM

DWG SIZE C2 ISSUE 19

TABLE A-FEATURES											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED TO PROVIDE BASIC WORKSTATION CONTAINING 16 MB RAM MEMORY & 1.05 GB INTERNAL HARD DISK. DA EFF:04/08/94 RA:ED5D764-30,G1A		DA	1								
EQUIPMENT REQUIRED TO PROVIDE THE BASIC SPARC-IPX WORKSTATION CONTAINING 48MB RAM MEMORY AND A 1.05 GBYTE INTERNAL HARD DISK. REPL:ED5D764-30,G1 DA EFF:04/01/96 FE:ED5D764-30,G1C	51	DA	1A	1							
EQUIPMENT REQUIRED TO PROVIDE A SPARCSERVER 5 EQUIPPED WITH 64 MEGABYTES OF RAM AND 70MHX. CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. DA EFF:04/01/96 FE:ED5D764-30,G1C	61 63	DA	1B								
EQUIPMENT REQUIRED TO PROVIDE A SPARCSERVER 5 EQUIPPED WITH 64 MEGABYTES OF RAM AND 85MHX. CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. REPL:ED5C764-30,G1A REPL:ED5D764-30,G1B DA EFF:07/31/96 FE:ED5D764-30,G1D	61 63	DA	1C								
EQUIPMENT REQUIRED TO PROVIDE A SPARCSERVER 5 EQUIPPED WITH 64 MEGABYTES OF RAM AND 110MHX CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. REPL:ED5D764-30,G1C DA EFF:07/01/97 FE:ED5D764-30,G1E	61 63	DA	1D								
EQUIPMENT REQUIRED TO PROVIDE A SPARCSERVER 5 EQUIPPED WITH 64 MEGABYTES OF RAM AND 170MHX CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. NOT FOR 5E14 SOFTWARE OR LATER. REPL:ED5D764-30,G1D	61 63 70		1E								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE 32 MB OF EXPANSION RAM MEMORY. DA EFF:04/08/94 RA:ED5D764-30,G1A		DA	2								
EQUIPMENT KIT ALWAYS REQUIRED IN ADDITION TO 1 OR 1A OR 1B TO PROVIDE A 4MM DAT CARTRIDGE TAPE UNIT. EQUIPPED WITH SCSI CABLE & SCSI BUS TERMINATOR. DA EFF:04/01/96 FE:ED5D764-30,G3B	51 61 63 64	DA	3								
EQUIPMENT KIT ALWAYS REQUIRED IN ADDITION TO GROUP 3 TO PROVIDE A POWER CORD FOR THE 4MM DAT TAPE DRIVE. DA EFF:04/01/96 FE:ED5D764-30,G3B	61 63	DA	3A								
EQUIPMENT KIT ALWAYS REQUIRED IN ADDITION TO GROUP 1C TO PROVIDE A 4MM, 5GB DAT CARTRIDGE TAPE UNIT. EQUIPPED WITH A 50 TO 68 PIN SCSI CABLE AND POWER CABLE. REPL:ED5D764-30,G3 REPL:ED5D764-30,G3A DA EFF:07/31/96 FE:ED5D764-30,G3C	61 63	DA	3B								
EQUIPMENT KIT ALWAYS REQUIRED IN ADDITION TO GROUP 1D TO PROVIDE A 4MM, 4-8GB DAT CARTRIDGE TAPE UNIT. EQUIPPED WITH A 50 TO 68 PIN SCSI CABLE AND POWER CABLE. REPL:ED5D764-30,G3B DA EFF:07/14/97 FE:ED5D764-30,G3D	61 63	DA	3C								

TABLE-A CONTINUED

ED5D764-30

ENGINEERING NOTES

***** CONTINUED *****

166. IN ADDITION TO THE CABLE ADAPTER BOX (GROUP 513 OR 514), A MAXIMUM OF ONE CABLE IS REQUIRED. PROVIDE ONE ED5D621-11 GROUP 653 CABLE KIT. CABLE LENGTH IS TO BE JOB ENGINEERED.
167. GROUPS 535 AND 536 CAN BE USED TO ORDER EQUIPMENT FOR SPARES OR REPLACEMENT. SEE MISC TABLE SP.
500. THIS GROUP MAY BE SPECIFIED AS A MAIN OR SUPPLEMENTAL ITEM.

ENGINEERING NOTES

***** CONTINUED *****

A WORKSTATION CONFIGURATION FOR AN AWS CONNECTED TO A SM2000.

GROUP	QUANTITY	DESCRIPTION
501	1	SPARCSERVER 5
537	1	SPARCSERVER 5 (110MHZ)
502	1	4MM DAT TAPE UNIT
538	1	4MM DAT TAPE UNIT
503	1	DAT UNIT POWER CORD
504	1	SERIES/PARALLEL INTERFACE
506	2	MTTY CABLES
\$K1	1	MTTY CABLE KIT
K2	1	MTTY CABLE KIT
507	1	ETHERNET DROP CABLE
508	1	ETHERNET TRANSCEIVER
509	1	ETHERNET TEE CONNECTOR
510	1	ETHERNET TERMINATING RESISTOR
\$516	1	1ST 2.1 GIGABYTE HARD DISK
539	1	1ST 2.1 GIGABYTE HARD DISK
\$517 OR	1	MAINTENANCE TTY TERMINAL 120 VAC AT 60 HZ
540 OR	1	MAINTENANCE TTY TERMINAL 120 VAC AT 60 HZ
\$518	1	MAINTENANCE TTY TERMINAL 220 VAC AT 50 HZ
541	1	MAINTENANCE TTY TERMINAL 220 VAC AT 50 HZ
\$519	1	NULL MODEM CONNECTOR
521 OR	1	MEDIUM RESOLUTION 120 VAC 60 HZ. PRINTER
522 OR	1	MEDIUM RESOLUTION 220 VAC 50 HZ. PRINTER
523 OR	1	HIGH RESOLUTION 120 VAC 60 HZ. PRINTER
524	1	HIGH RESOLUTION 220 VAC 50 HZ. PRINTER
525	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE FOR AWS-SM2000 CAN BE ORDERED AT INITIAL SHIPMENT ARE DESCRIBED IN NOTES 155, 156, 159, 160, 161 AND 165.

164. THE FOLLOWING GROUPS AND QUANTITIES ARE REQUIRED WHEN ENGINEERING A WORKSTATION CONFIGURATION FOR AN VCDX CONNECTED TO AN SM.

GROUP	QUANTITY	DESCRIPTION
501	1	SPARCSERVER 5
537	1	SPARCSERVER 5 (110MHZ)
502	1	4MM DAT TAPE UNIT
538	1	4MM DAT TAPE UNIT
503	1	DAT UNIT POWER CORD
504	1	SERIES/PARALLEL INTERFACE
506	2	MTTY CABLES
\$K1	1	MTTY CABLE KIT
K2	1	MTTY CABLE KIT
507	1	ETHERNET DROP CABLE
508	1	ETHERNET TRANSCEIVER
509	1	ETHERNET TEE CONNECTOR
510	1	ETHERNET TERMINATING RESISTOR
512	1	HIGH SPEED INTERFACE
\$516	2	PAIR OF 2.1 GIGABYTE EXTERNAL HARD DISKS
539	2	PAIR OF 2.1 GIGABYTE EXTERNAL HARD DISKS
\$517 OR	1	MAINTENANCE TTY 120 VAC 60 HZ
540 OR	1	MAINTENANCE TTY 120 VAC 60 HZ
\$518	1	MAINTENANCE TTY 220 VAC 50 HZ
541	1	MAINTENANCE TTY 220 VAC 50 HZ
\$519	1	NULL MODEM CONNECTOR
521 OR	1	MEDIUM RESOLUTION 120 VAC 60 HZ. PRINTER
522 OR	1	MEDIUM RESOLUTION 220 VAC 50 HZ. PRINTER
523 OR	1	HIGH RESOLUTION 120 VAC 60 HZ. PRINTER
524	1	HIGH RESOLUTION 220 VAC 50 HZ. PRINTER
525	1	PRINTER CABLE

OTHER OPTIONS POSSIBLE FOR VCDX CAN BE ORDERED AT INITIAL SHIPMENT ARE DESCRIBED IN NOTES 156, 159, 160, 161 AND 165.

165. A SECOND 4MM DAT TAPE UNIT CAN BE ORDERED. A MAXIMUM OF 2 DAT TAPE DRIVES CAN BE ORDERED.

GROUP	QUANTITY	DESCRIPTION
\$502	1	SECOND 4MM DAT TAPE UNIT
538	1	SECOND 4MM DAT TAPE UNIT

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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 KIT ALWAYS REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE A 4MM, 4-8GB DAT CARTRIDGE TAPE UNIT. EQUIPPED WITH A 50 TO 68 PIN SCSI CABLE AND POWER CABLE. REPL:ED5D764-30,G3C DA EFF:04/27/99 FE:ED5D764-30,G3E	61 63	DA	3D									
EQUIPMENT KIT REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE A 4MM, 12-24GB DAT CARTRIDGE TAPE UNIT. EQUIPPED WITH A 50 TO 68 PIN SCSI CABLE AND POWER CABLE. REPL:ED5D764-30,G3D	61 63 500		3E									
EQUIPMENT KIT ALWAYS REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C 1D OR 1E TO PROVIDE SERIAL/PARALLEL-0 (S/PI-0) SBUS CONTROLLER PROVIDING 8 SERIAL PORTS AND 1 PARALLEL PORT, EQUIPPED WITH SBUS CONTROLLER CARD, PATCH PANEL, 9.82 FOOT INTERCONNECTION CABLE ASSEMBLY, MOUNTING BRACKETS & SOFTWARE.	51 61 63		4									
EQUIPMENT KIT REQUIRED IN ADDITION TO GROUP 1E AND 4 TO PROVIDE A SECOND SERIAL/PARALLEL INTERFACE (S/PI-1) LOCATED IN SBUS SLOT 1 (SBUS-1) TO PROVIDE AN ADDITIONAL 8 SERIAL PORTS.	61 63		4A	1	ED5D764-31	3						
APPARATUS AND EQUIPMENT REQUIRED TO PROVIDE A FIELD RETROFIT KIT FOR A SECOND SERIAL/PARALLEL INTERFACE (S/PI-1) FOR AN EXISTING VCDX WORKSTATION EQUIPPED WITH S/PI-0.			4B	1	ED5D764-31	3						
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A RS-232 SPLITTER CABLE ASSEMBLY PROVIDING 1 SYNCHRONOUS AND 1 ASYNCHRONOUS PORTS FOR CONNECTION OF A MTTY TERMINAL. DA EFF:04/08/94 RA:ED5D764-30,G5A		DA	5									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1A TO PROVIDE A 9 PIN TO 25 PIN RS-232 CABLE ADAPTOR. REPL:ED5D764-30,G5 DA EFF:04/01/96 FE/RA:NONE	51	DA	5A									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1B TO PROVIDE A CABLE CONNECTION BETWEEN THE SPARCSERVER 5 AND THE MTTY. DA EFF:04/01/96 FE:ED5D764-30,G5C	61 63	DA	5B									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1B OR 1C TO PROVIDE CABLE CONNECTIONS BETWEEN THE SPARCSERVER 5 AND THE MTTY. REPL:ED5D764-30,G5B DA EFF:07/31/96 FE:ED5D764-30,G5D	61 63	DA	5C									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1D TO PROVIDE CABLE CONNECTIONS BETWEEN THE SPARCSERVER 5 AND THE MTTY. REPL:ED5D764-30,G5C DA EFF:03/03/97 FE:ED5D764-30,G5E	61 63	DA	5D									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1D OR 1E TO PROVIDE CABLE CONNECTIONS BETWEEN THE SPARCSERVER 5 AND THE MTTY. REPL:ED5D764-30,G5D	61 63 500		5E									

TABLE-A CONTINUED

ED5D764-30

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, 1B, 1C, 1D OR 1E TO PROVIDE AN AUDIO/AUI ADAPTER CABLE.	61 63 500		6									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE AN ETHERNET TRANSCEIVER FOR CONNECTION TO THE SM.	51 61 63 500		7									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1, 1B, 1B, 1C, 1D OR 1E TO PROVIDE AN ETHERNET COAX TEE CONNECTOR.	51 61 63 500		8									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A FOR ISCN APPLICATIONS TO PROVIDE ETHERNET COAX TEE CONNECTOR FOR THE SECOND ETHERNET CONNECTION. DA EFF:08/26/94 FE/RA:NONE		DA	8A									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE AN ETHERNET TERMINATION RESISTOR.	51 61 63 500		9									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A FOR ISCN APPLICATIONS TO PROVIDE ETHERNET TERMINATION RESISTOR FOR THE SECOND ETHERNET CONNECTION. DA EFF:08/26/94 FE/RA:NONE		DA	9A									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE SBUS MARKING LABELS FOR THE HIGH SPEED INTERFACE (HSI) AND SERIAL/PARALLEL INTERFACE 0 & 1 (S/PI-0 & S/PI-1) (SEE SHEET C4, FIG. C)	61 63		10	1 2 1	ED5D764-31 ED5D764-31 ED5D764-31	1 2 3						
EQUIPMENT KIT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE A HIGH SPEED SYNCHRONOUS INTERFACE SBUS CONTROLLER CARD. PROVIDES 4 RS-449 CONNECTOR PORTS EQUIPPED WITH CONTROLLER CARD, PATCH PANEL, 9.82 FOOT INTERCONNECTION CABLE ASSEMBLY, MOUNTING BRACKETS & SOFTWARE. FOR SOLARIS 1.X SOFTWARE. DA EFF:04/27/99 FE/RA:NONE	54	DA	15									

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT			
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT KIT REQUIRED IN ADDITION TO GROUP 1B, 1C, 1D, OR 1E TO PROVIDE A HIGH SPEED SYNCHRONOUS INTERFACE SBUS CONTROLLER CARD. PROVIDES 4 RS-449 CONNECTOR PORTS EQUIPPED WITH CONTROLLER CARD, PATCH PANEL, 9.82 FOOT INTERCONNECTION CABLE ASSEMBLY, MOUNTING BRACKETS & SOFTWARE. FOR SOLARIS 2.X SOFTWARE.	63 54 500		15A									
SOFTWARE REQUIRED IN ADDITION TO GROUP 15 TO PROVIDE SUNLINK X.25 SOFTWARE PACKAGE. DA EFF:04/08/94 RA:ED5D764-30,G15		DA	16									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 15 TO PROVIDE A PASSIVE CABLE ADAPTER FROM RS449(DS-37) TO RS232(DS-25) A MAXIMUM OF 4 CAN BE CONNECTED, DEFINED BY OPERATIONS SUPPORT SYSTEMS APPLICATIONS. DA EFF:08/26/94 FE/RA:NONE		DA	17									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 15 OR 15A TO PROVIDE AN ACTIVE 120VAC, 60HZ CABLE ADAPTER FROM RS449(D-37) TO RS232(DS-25). A MAXIMUM OF 4 CAN BE CONNECTED. DEFINED BY OPERATIONS SUPPORT SYSTEMS APPLICATIONS. REPL:NONE	55 500		17A									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 15 OR 15A TO PROVIDE AN ACTIVE 220VAC, 50HZ CABLE ADAPTER. A MAXIMUM OF 4 CAN BE CONNECTED. DEFINED BY THE OPERATIONS SUPPORT SYSTEM APPLICATION. REPL:NONE	55 500		17B									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A TO PROVIDE A SECOND ETHERNET CONNECTION FOR DUAL ETHERNET APPLICATIONS. DA EFF:08/26/94 FE/RA:NONE		DA	18									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A TO PROVIDE AN EXTERNAL 1.05 GB HARD DISK. EQUIPPED WITH SCSI CABLE, SCSI BUS TERMINATING RESISTOR & POWER CABLE. DA EFF:04/01/96 FE/RA:NONE	56	DA	20									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1B OR 1C TO PROVIDE AN EXTERNAL 2.1 GIGABYTE HARD DISK DRIVE WITH SCSI CABLE AND POWER CORD. DA EFF:07/31/96 FE:ED5D764-30,G20B	61 63	DA	20A									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1D OR 1E TO PROVIDE AN EXTERNAL 2.1 GIGABYTE HARD DISK DRIVE WITH 68-68 PIN SCSI CABLE AND POWER CORD. REPL:ED5D764-30,G20A DA EFF:04/27/99 FE:ED5D764-30,G20C	61 63	DA	20B									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE AN EXTERNAL 4.2 GIGABYTE HARD DISK DRIVE WITH 68-68 PIN SCSI CABLE AND POWER CORD. REQUIRED FOR 5E12 OR HIGHER. REPL:ED5D764-30,G20B DA EFF:07/30/99 FE:ED5D764-30,G20D	61 63 67	DA	20C									

TABLE-A CONTINUED

ED5D764-30

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT			
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE AN EXTERNAL 9.1 GIGABYTE HARD DISK DRIVE WITH 68-68 PIN SCSI CABLE AND POWER CORD. REPL:ED5D764-30,G20C	61 63 67 71 500		20D									
EQUIPMENT REQUIRED TO ADD A MIRRORRED DISK FOR 5E8S OR HIGHER TO A SYSTEM EQUIPPED WITH A SINGLE SCSI DISK PACKAGE. DA EFF:04/27/99 FE:ED5D764-30,G21A	66	DA	21									
EQUIPMENT REQUIRED TO PROVIDE A KIT TO REPLACE EXISTING 2.1GB EXTERNAL HARD DISK DRIVES WITH 4.2GB EXTERNAL HARD DISK DRIVES. REQUIRED FOR SOFTWARE UPDATE TO 5E12 OR HIGHER. REPL:ED5D764-30,G21 DA EFF:07/30/99 FE:ED5D764-30,G21B	67	DA	21A									
EQUIPMENT REQUIRED TO PROVIDE A KIT TO REPLACE EXISTING 2.1GB EXTERNAL HARD DISK DRIVES WITH 9.1GB EXTERNAL HARD DISK DRIVES. REPL:ED5D764-30,G21A	67 71		21B									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A OR 1B OR 1C TO PROVIDE A COLOR MTTY TERMINAL. INPUT POWER FROM 98 TO 132 VAC AT 50/60 HZ. U.S. TYPE 120 VAC POWER CORD IS PROVIDED. DA EFF:07/31/96 FE:ED5D764-30,G30A	51 52 61 63	DA	30									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1D OR 1E TO PROVIDE A COLOR MTTY TERMINAL. INPUT POWER FROM 98 TO 132 VAC AT 50/60 HZ. U.S. TYPE 120 VAC POWER CORD IS PROVIDED. REPL:ED5D764-30,G30	51 52 61 63 500		30A									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 OR 1A OR 1B OR 1C TO PROVIDE A COLOR MTTY TERMINAL. INPUT POWER FROM 196 TO 264 VAC AT 50/60 HZ. DA EFF:07/31/96 FE:ED5D764-30,G31A	51 52 61 63	DA	31									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1D OR 1E TO PROVIDE A COLOR MTTY TERMINAL. INPUT POWER FROM 196 TO 264 VAC AT 50/60 HZ. REPL:ED5D764-30,G31	51 52 61 63 500		31A									

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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 30 OR 31 TO PROVIDE 6 FOOT LONG CABLE FROM WORKSTATION TO MTTY. DA EFF:08/26/94 FE/RA:NONE		DA	32									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 30 OR 31 TO PROVIDE A NULL MODEM ADAPTER FOR THE PORT A SUN CONNECTION. DA EFF:04/01/96 FE/RA:NONE	51 61 63	DA	33									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 30 OR 31 TO PROVIDE A GENDER CHANGER FOR PORT A CABLE ASSEMBLY. DA EFF:04/01/96 FE/RA:NONE	51	DA	34									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 1E TO PROVIDE MEMORY EXPANSION FROM 64MB TO 128MB RAM.			35									
EQUIPMENT REQUIRED TO PROVIDE A FIELD RETROFIT KIT FOR SPARC 5 WORKSTATION 64MB TO 128MB RAM MEMORY EXPANSION. 5E13 OR LATER REQUIRED FOR NAR. 5E13 OR LATER REQUIRED FOR INTL.			36									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D, OR 1E TO PROVIDE A MEDIUM RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 110VAC, 60HZ. POWER SUPPLY.	51 53 61 63 500		40									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE A MEDIUM RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 220VAC, 50HZ POWER SUPPLY	51 53 61 63 500		41									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE A HIGH RESOLUTION PARALLEL PORT PRINTER. EQUIPPED WITH A 110 VAC, 60 HZ POWER SUPPLY.	51 53 61 63 500		42									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D, OR 1E TO PROVIDE A HIGH RESOLUTION PARALLEL PORT PRINTER. EQUIPPED WITH A 220 VAC, 50 HZ POWER SUPPLY.	51 53 61 63 500		43									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO GROUP 40,41,42,OR 43 TO PROVIDE A CENRONICS TO RS-232 (DS-25) PARALLEL PRINTER CABLE.	51 53 61 63		44									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 4 TO PROVIDE A 115VAC REMOTE ROP PORT.	500		46									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 4 TO PROVIDE 230VAC REMOTE ROP PORT.	500		47									
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 1E AND 15A TO PROVIDE A TNM CONNECTION ON THE HIGH SPEED INTERFACE PANEL.	69 500		48									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1 TO PROVIDE A COUNTRY KIT POWER CORD, UNIVERSAL UNIX, 110 VAC, 60 HZ. DA EFF:08/26/94 FE/RA:NONE		DA	50									

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 5ESS CABINET MOUNTING HARDWARE FOR A SPARC 5 WORKSTATION AND 4 UNIPACK SUN PERIPHERALS. (SEE SHEET C2)			51									
EQUIPMENT REQUIRED TO PROVIDE A MOUNTING KIT FOR AN EXTERNAL NETWORK CLOCK UNIT (HP55400A) TO BE MOUNTED IN A 5ESS-2000 STYLE CABINET. FOR INTERNATIONAL 30 CHANNEL 5ESS OR LATER APPLICATIONS ONLY.	68		52									
EQUIPMENT REQUIRED TO PROVIDE A FIELD RETROFIT KIT FOR MOUNTING 1 OR 2 INTERFACE PANELS (S/PI & HSI) IN A 5ESS TYPE CABINET. (SEE SHEET C3)			53									
EQUIPMENT REQUIRED TO PROVIDE A UNITED KINGDOM POWER CORD KIT FOR A SPARC5 WORKSTATION AND THREE UNIPACK SUN PERIPHERALS. A FIFTH POWER CORD IS PROVIDED AS A SPARE.	500		54									
EQUIPMENT REQUIRED TO PROVIDE A CONTINENTAL EUROPE POWER CORD KIT FOR A SPARC5 WORKSTATION AND THREE UNIPACK SUN PERIPHERALS. A FIFTH POWER CORD IS PROVIDED AS A SPARE.	500		55									
INSTALLATION DOCUMENTATION FOR AN AWS. DA EFF:03/03/97 FE/RA:NONE	57	DA	99									
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 1 OR 1A OR 1B OR 1C TO PROVIDE A DIRECTLY CONNECTED TLWS. PROVIDE AN AMBER SCREEN AND 100-240 VAC, 50/60 HZ POWER SUPPLY. DA EFF:07/31/96 FE/RA:NONE	58	DA	100									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D OR 1E TO PROVIDE A DIAL-UP MODEM FOR REMOTE CONNECTION TO A SERIES PORT. MODEM POWERED AT 120 VAC. REPL:NONE	59 500		101									
EQUIPMENT REQUIRED IN ADDITION TO GROUP 1, 1A, 1B, 1C, 1D, OR 1E TO PROVIDE A DIAL-UP MODEM FOR REMOTE CONNECTION TO A SERIAL PORT. MODEM POWER AT 230 VAC. REPL:NONE	59 500		102									

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT		
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 1, 1A, 1B, 1C, 1D, OR 1E TO PROVIDE A DIAL-UP CONNECTION TO A X.25 HIGH SPEED OS SYSTEM. MODEM POWERED AT 120 VAC. REPL:NONE	60 500		103								
EQUIPMENT REQUIRED IN ADDITION TO GROUPS 1, 1A, 1B, 1C, 1D, OR 1E TO PROVIDE A DIAL-UP MODEM CONNECTION TO X.25 HIGH SPEED PORT. MODEM POWERED AT 230 VAC. REPL:NONE	60 500		104								
EQUIPMENT REQUIRED IN ADDITION TO GROUP 15A OR 15B TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTER BOX. DA EFF:03/03/97 FE:ED5D764-30,G106	55	DA	105								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (5 FT LG) REPL:ED5D764-30,G105	55		106								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (10 FT LG)	55		107								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (15 FT LG)	55		108								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (25 FT LG)	55		109								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (50 FT LG)	55		110								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (2 FT LONG)			111								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (5 FT LONG)			112								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (10 FT LONG)			113								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (25 FT LONG)			114								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (50 FT LONG)			115								
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (100 FT LONG)			116								
TABLE-A CONTINUED											

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT		
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED TO PROVIDE A CABLE CONNECTION BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE AND A DIAL-UP MODEM. (150 FT LONG)			117								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (5 FT LONG)			118								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (10 FT LONG)			119								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (25 FT LONG)			120								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (50 FT LONG)			121								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (75 FT LONG)			122								
EQUIPMENT REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (100 FT LONG)			123								
APPARATUS REQUIRED IN ADDITION TO GROUP 1E WHEN GROUP 1E IS ORDERED AS A SPARE. PROVIDES ONE SER/PAR SBUS CIRCUIT PACK.	65 500		200								
APPARATUS REQUIRED IN ADDITION TO GROUP 1E WHEN GROUP 1E IS ORDERED AS A SPARE. PROVIDES ONE HSI SBUS CIRPACK.	65 500		201								
EQUIPMENT REQUIRED TO PROVIDE A SPARC-IPX EQUIPPED WITH 48MB OF RAM MEMORY AND A 1.05 GBYTE INTERNAL DISK DRIVE. (GRP 1A) DA EFF:07/31/96 FE:ED5D764-30,G537	152	DA	500	1							
TABLE-A CONTINUED											

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED TO PROVIDE A SPARC SERVER 5 EQUIPPED WITH 64MB OF RAM MEMORY AND 70MHX CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. (GRP 1B) DA EFF:07/31/96 FE:ED5D764-30,G537	162 164	DA	501	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE A 4MM DAT TAPE UNIT. EQUIPPED WITH SCSI CABLE AND BUS TERMINATOR. (GRP 3) DA EFF:07/31/96 FE:ED5D764-30,G538	152 162 164 165	DA	502	1							
APPARATUS REQUIRED TO PROVIDE A POWER CORD BETWEEN THE SPARC-IPX AND THE 4MM DAT TAPE UNIT OR THE SPARC SERVER 5 AND THE MTTY. (GRP 3A) DA EFF:07/31/96 FE/RA:NONE	152 162 164	DA	503	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE A SERIAL/PARALLEL INTERFACE THAT IS ARRANGED WITH EIGHT SERIAL PORTS AND ONE PARALLEL PORT. EQUIPPED WITH SBUS CONTROLLER CARD, PATCH PANEL, 9.82 FOOT INTERCONNECTING CABLE ASSY, MOUNTING BRACKETS AND SOFTWARE. (GRP 4)	152 162 164	LA	504	1							
APPARATUS REQUIRED IN ADDITION TO A SPARC-IPX TO PROVIDE A 9 PIN TO 25 PIN RS-232 CABLE ADAPTOR. (GRP 5A) DA EFF:07/31/96 FE/RA:NONE	152	DA	505	2							
APPARATUS REQUIRED IN ADDITION TO A SPARC SERVER 5 TO PROVIDE A CABLE TO CONNECT BETWEEN THE SPARC SERVER 5 AND THE MTTY. (GRP 5B) DA EFF:07/31/96 FE:ED5D764-30,GK1	162 164	DA	506	1							
APPARATUS REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE AN ETHERNET DROP CABLE. (GRP 6)	152 162 164	LA	507	1							
APPARATUS REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE AN ETHERNET TRANSCEIVER FOR CONNECTION TO THE SM. (GRP 7)	152 162 164	LA	508	1							
APPARATUS REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE AN ETHERNET COAX TEE CONNECTOR. (GRP 8)	152 162 164	LA	509	1							
APPARATUS REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE AN ETHERNET TERMINATION RESISTOR. (GRP 9)	152 162 164	LA	510	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE A HIGH SPEED SERIAL INTERFACE WITH CONTROLLER CARD, FOUR RS-449 CONNECTOR PORTS, PATCH PANEL, 9.82 FOOT INTERCONNECTION CABLE ASSEMBLY, MOUNTING BRACKETS AND SOFTWARE. (FOR SOLARIS 1.X SOFTWARE) (FOR AWS) (GRP 15)	152 155 162	LA	511	1							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED IN ADDITION TO SPARC SERVER 5 TO PROVIDE A HIGH SPEED SERIAL INTERFACE WITH CONTROLLER CARD, FOUR RS-449 CONNECTOR PORTS, PATCH PANEL, 9.82 FOOT INTERCONNECTION CABLE ASSEMBLY, MOUNTING BRACKETS AND SOFTWARE. (FOR SOLARIS 2.X SOFTWARE) (GRP 15A)	155 164	LA	512	1							
APPARATUS REQUIRED IN ADDITION TO A HIGH SPEED SERIAL INTERFACE TO PROVIDE A CABLE ADAPTER BOX, 120 VAC AT 60 HZ. A MAXIMUM OF 4 CAN BE CONNECTED. DEFINED BY OPERATIONS SUPPORT SYSTEM APPLICATION. (FOR VCDX) (GRP 17A)	156 166	LA	513	1							
APPARATUS REQUIRED IN ADDITION TO A HIGH SPEED SERIAL INTERFACE TO PROVIDE A CABLE ADAPTER BOX, 220 VAC AT 50 HZ. A MAXIMUM OF 4 CAN BE CONNECTED. DEFINED BY OPERATIONS SUPPORT SYSTEM APPLICATION. (FOR AWS) (GRP 17B)	156 166	LA	514	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX TO PROVIDE AN EXTERNAL 1.05 GBYTE HARD DISK DRIVE WITH A SCSI CABLE AND POWER CORD. (GRP 20) DA EFF:07/31/96 FE/RA:NONE	157	DA	515	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC SERVER 5 TO PROVIDE AN EXTERNAL 2.1 GBYTE HARD DISK DRIVE WITH SCSI CABLE AND POWER CORD. (GRP 20A) DA EFF:07/31/96 FE:ED5D764-30,G539	162 164	DA	516	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE A COLOR MTTY TERMINAL. (98 TO 132 VAC AT 50/60 HZ.) (GRP 30) DA EFF:07/31/96 FE:ED5D764-30,G540	152 153 162 164	DA	517	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARC SERVER 5 TO PROVIDE A COLOR MTTY TERMINAL. (196 TO 264 VAC AT 50/60 HZ.) (GRP 31) DA EFF:07/31/96 FE:ED5D764-30,G541	152 153 162 164	DA	518	1							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
APPARATUS REQUIRED IN ADDITION TO MTTY TERMINAL TO PROVIDE A NULL MODEM ADAPTER FOR PORT B OF THE SPARC-IPX OR PORT A OF THE SPARCSEVER 5. (GRP 33) DA EFF:07/31/96 FE/RA:NONE	152 162 164	DA	519	1							
APPARATUS REQUIRED IN ADDITION TO MTTY TERMINAL TO PROVIDE A GENDER CHANGER FOR CONNECTING A CABLE ADAPTER TO PORT A OF THE SPARC-IPX. (GRP 34) DA EFF:07/31/96 FE/RA:NONE	152	DA	520	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A MEDIUM RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 120VAC, 60HZ. POWER SUPPLY. (GRP 40)	152 154 162 164	LA	521	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A MEDIUM RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 220VAC, 50HZ. POWER SUPPLY. (GRP 41)	152 154 162 164	LA	522	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A HIGH RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 120VAC, 60HZ. POWER SUPPLY. (GRP 42)	152 154 162 164	LA	523	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A HIGH RESOLUTION DOT MATRIX PARALLEL PORT PRINTER. EQUIPPED WITH A 220VAC, 50HZ. POWER SUPPLY. (GRP 43)	152 154 162 164	LA	524	1							
APPARATUS REQUIRED IN ADDITION TO THE PARALLEL PRINTER TO PROVIDE A PARALLEL PRINTER CABLE TO CONNECT BETWEEN THE PRINTER AND PARALLEL INTERFACE. (GRP 44)	152 154 162 164	LA	525	1							
INSTALLATION DOCUMENTATION REQUIRED FOR A SPARC-IPX BASE SYSTEM. (FOR AWS) (MAX 1 PER SYSTEM) (GRP 99) DA EFF:03/03/97 FE/RA:NONE	152 158	DA	526	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A TERMINAL WITH AN AMBER SCREEN & 100-240 VAC, 50/60 HZ POWER SUPPLY. (GRP 100) DA EFF:07/31/96 FE/RA:NONE	159	DA	530	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A DIAL-UP MODEM FOR REMOTE CONNECTION TO A SERIES PORT. MODEM POWERED AT 120 VAC. (GRP 101)	160	LA	531	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A DIAL-UP MODEM FOR REMOTE CONNECTION TO A SERIES PORT. MODEM POWERED AT 220 VAC. (GRP 102)	160	LA	532	1							

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA						SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A DIAL-UP MODEM CONNECTION TO A X.25 HIGH SPEED PORT. MODEM POWERED AT 120 VAC. (GRP 103)	161	LA	533	1							
EQUIPMENT REQUIRED IN ADDITION TO SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A DIAL-UP MODEM CONNECTION TO A X.25 HIGH SPEED PORT. MODEM POWERED AT 220 VAC. (GRP 104)	161	LA	534	1							
APPARATUS REQUIRED TO PROVIDE ONE SER/PAR SBUS CIRCUIT PACK (GRP 200)	167	LA	535								
APPARTUS REQUIRED TO PROVIDE ONE HSI SBUS CIRCUIT PACK. (GRP 201)	167	LA	536								
EQUIPMENT REQUIRED TO PROVIDE A SPARCSEVER 5 EQUIPPED WITH 64MB OF RAM MEMORY AND 110MHZ CLOCKSPEED. NO INTERNAL DISK DRIVE, MONITOR OR KEYBOARD. (GRP 1D) REPL:ED5D764-30,G501 DA EFF:07/01/97 FE/RA:NONE	162 164	DA	537	1							
EQUIPMENT REQUIRED FOR A SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A 4MM DAT TAPE UNIT. EQUIPPED WITH 50-68 PIN SCSI CABLE AND POWE CORD.. (GRP 3C) REPL:ED5D764-30,G502	152 162 164 165	LA	538	1							
EQUIPMENT REQUIRED FOR A SPARCSEVER 5 TO PROVIDE AN EXTERNAL 2.1 GBYTE HARD DISK DRIVE WITH 68-68 PIN SCSI CABLE AND POWER CORD. (GRP 20B) REPL:ED5D764-30,G516	162 164 164	LA	539	1							
EQUIPMENT REQUIRED FOR A SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A COLOR MTTY TERMINAL. (98 TO 132 VAC AT 50/60 HZ.) (GRP 30A) REPL:ED5D764-30,G517	152 153 162 164	LA	540	1							
EQUIPMENT REQUIRED FOR A SPARC-IPX OR SPARCSEVER 5 TO PROVIDE A COLOR MTTY TERMINAL. (196 TO 264 VAC AT 50/60 HZ.) (GRP 31A) REPL:ED5D764-30,G518	152 153 162 164	LA	541	1							

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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	
APPARATUS REQUIRED IN ADDITION TO A SPARCSERVER 5 TO PROVIDE A CABLE TO CONNECT BETWEEN THE SPARCSERVER 5 AND THE MTTY. (GRP 5D) REPL:ED5D764-30,G506 DA EFF:03/03/97 FE:ED5D764-30,GK2	162 164	DA	K1	1								
APPARATUS REQUIRED IN ADDITION TO A SPARCSERVER 5 TO PROVIDE A CABLE TO CONNECT BETWEEN THE SPARCSERVER 5 AND THE MTTY. (GRP 5E) REPL:ED5D764-30,GK1	162 164	LA	K2	1	ED5D764-10	2						
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (5 FT LONG) (GRP 106)		LA	K3									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (10 FT LONG) (GRP 107)		LA	K4									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (15 FT LONG) (GRP 108)		LA	K5									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (25 FT LONG) (GRP 109)		LA	K6									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE HIGH SPEED INTERFACE AND THE CABLE ADAPTOR BOX. (50 FT LONG) (GRP 110)		LA	K7									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (2 FT LONG) (GRP 111)		LA	K8									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (5 FT LONG) (GRP 112)		LA	K9									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (10 FT LONG) (GRP 113)		LA	K10									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (25 FT LONG) (GRP 114)		LA	K11									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (50 FT LONG) (GRP 115)		LA	K12									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (100 FT LONG) (GRP 116)		LA	K13									
TABLE-A CONTINUED												

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE CABLE ADAPTOR BOX OR SERIAL/PARALLEL INTERFACE TO A DIAL-UP MODEM. (150 FT LONG) (GRP 117)		LA	K14									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (5 FT LONG) (GRP 118)		LA	K15									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (10 FT LONG) (GRP 119)		LA	K16									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (25 FT LONG) (GRP 120)		LA	K17									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (50 FT LONG) (GRP 121)		LA	K18									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (75 FT LONG) (GRP 122)		LA	K19									
APPARATUS REQUIRED TO PROVIDE A CABLE BETWEEN THE SERIAL/PARALLEL INTERFACE AND A TLWS OR PRINTER. (100 FT LONG) (GRP 123)		LA	K20									
END OF TABLE-A												

SEE PROPRIETARY NOTICE ON SHEET ONE COPYRIGHT © 2000 LUCENT TECHNOLOGIES UNPUBLISHED & NOT FOR PUBLICATION ALL RIGHTS RESERVED	
BT13	
ADMINISTRATIVE WORKSTATION FOR 5ESS-2000 SWITCHING SYSTEM	
DWG SIZE C2	ISSUE 19
LUCENT TECHNOLOGIES INC ED5D764-30	
SHEET 11 OF 32	

1.0+
Create
COMMON-HARDWARE

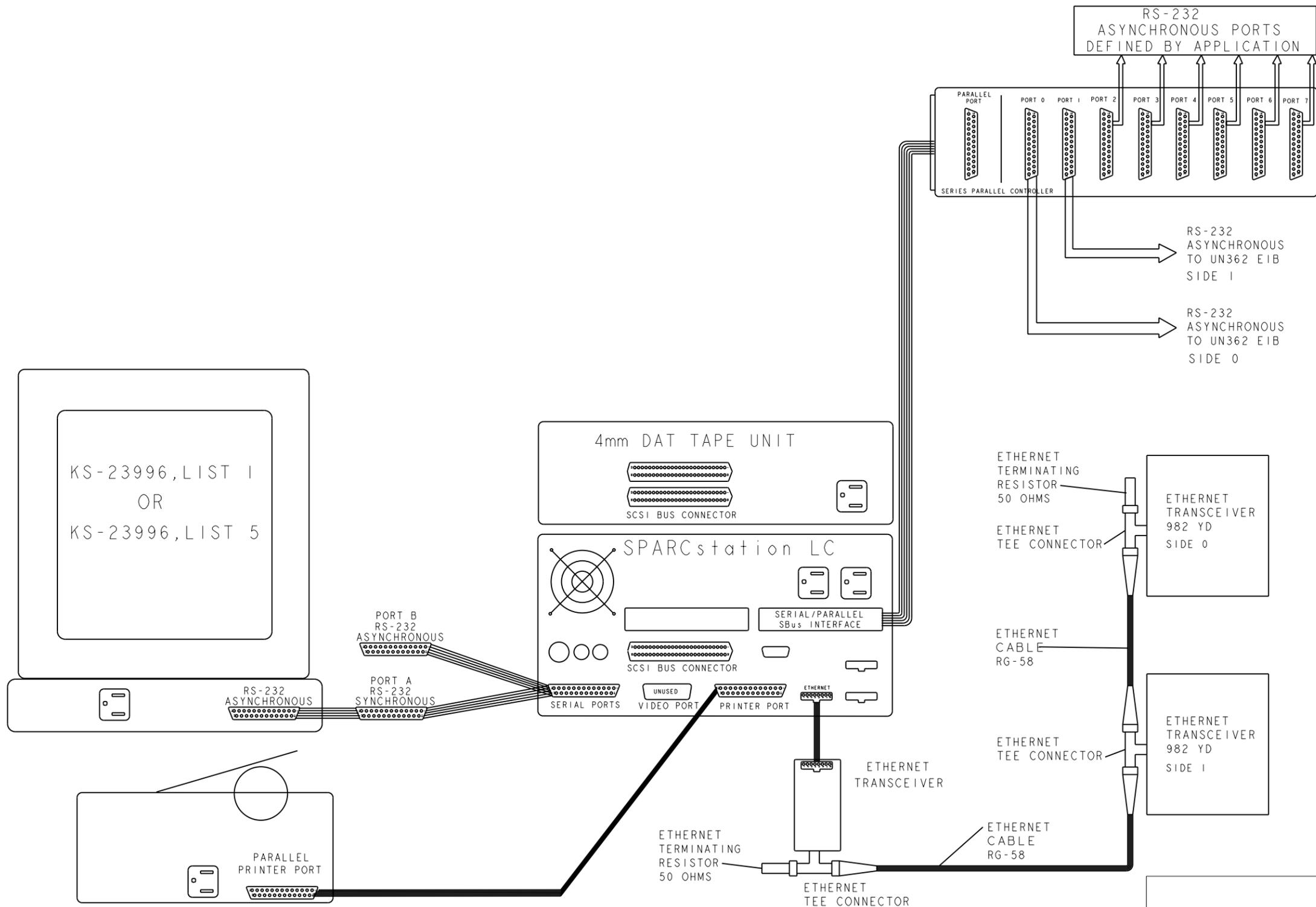


FIGURE 1
ADMINISTRATIVE WORKSTATION
BASIC CONFIGURATION
VERSION RATED DISCONTINUED

PROJ-EGEDFORM.FRM-FEB-96

ED5D764-30

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ 	
DWG SIZE C2	ISSUE 19	SHEET NO. BI	
LUCENT TECHNOLOGIES		ED5D764-30	

MODELED BY: REA JOHNSON DATE: 05-APR-2000

DRAWING NAME=ED5D764-30B1.CES3

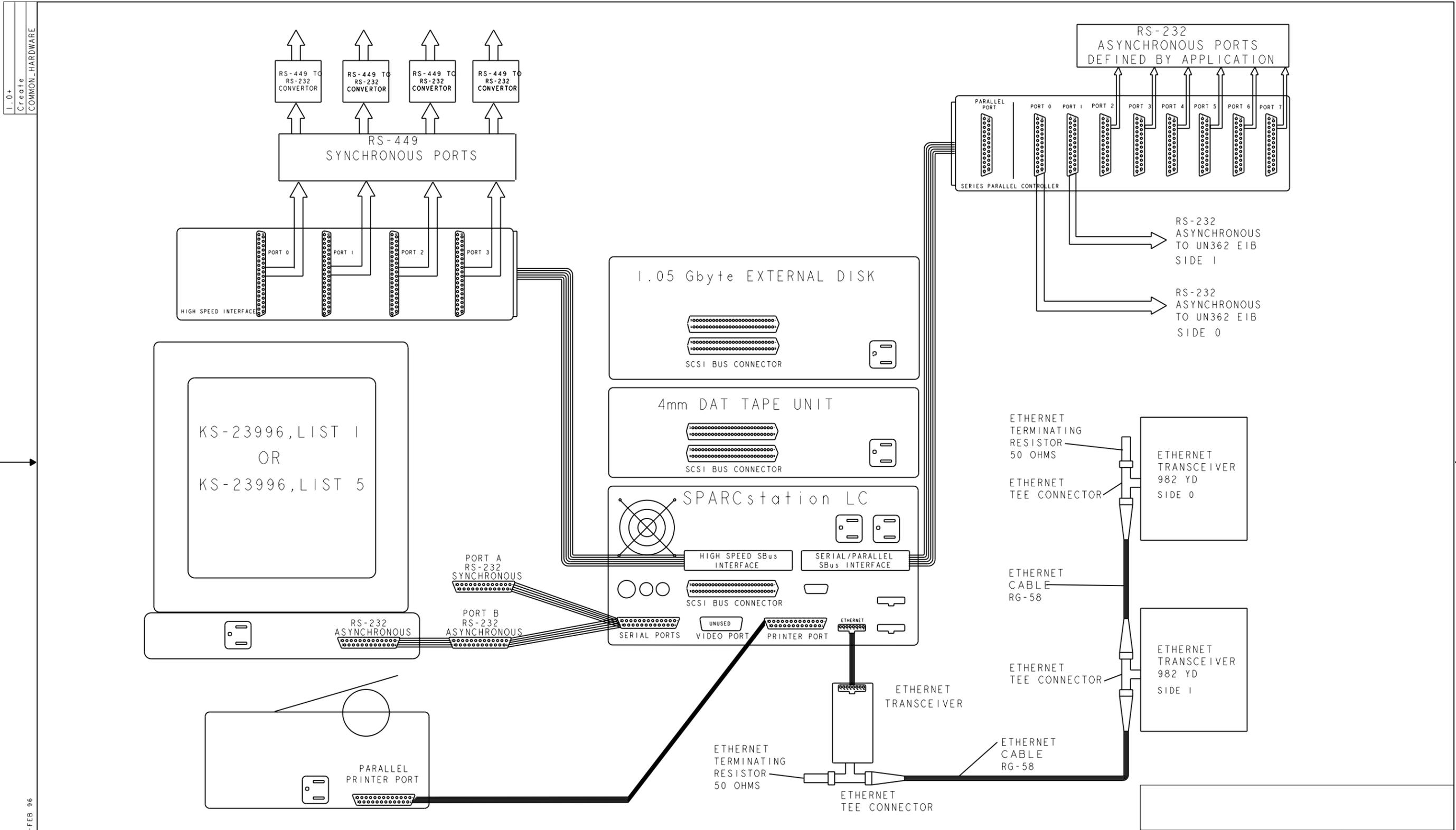


FIGURE 2
 ADMINISTRATIVE WORKSTATION
 MAXIMUM CONFIGURATION
 VERSION RATED DISCONTINUED

1.0+
 Create
 COMMON_HARDWARE

PROJ - EGEDFORM.FRM - FEB 96

ED5D764-30

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ 	
DWG SIZE C2	ISSUE 19	SHEET NO. B2	
LUCENT TECHNOLOGIES		ED5D764-30	
MODELED BY: REA JOHNSON		DATE: 05-APR-2000	

1.0+
Create
COMMON-HARDWARE

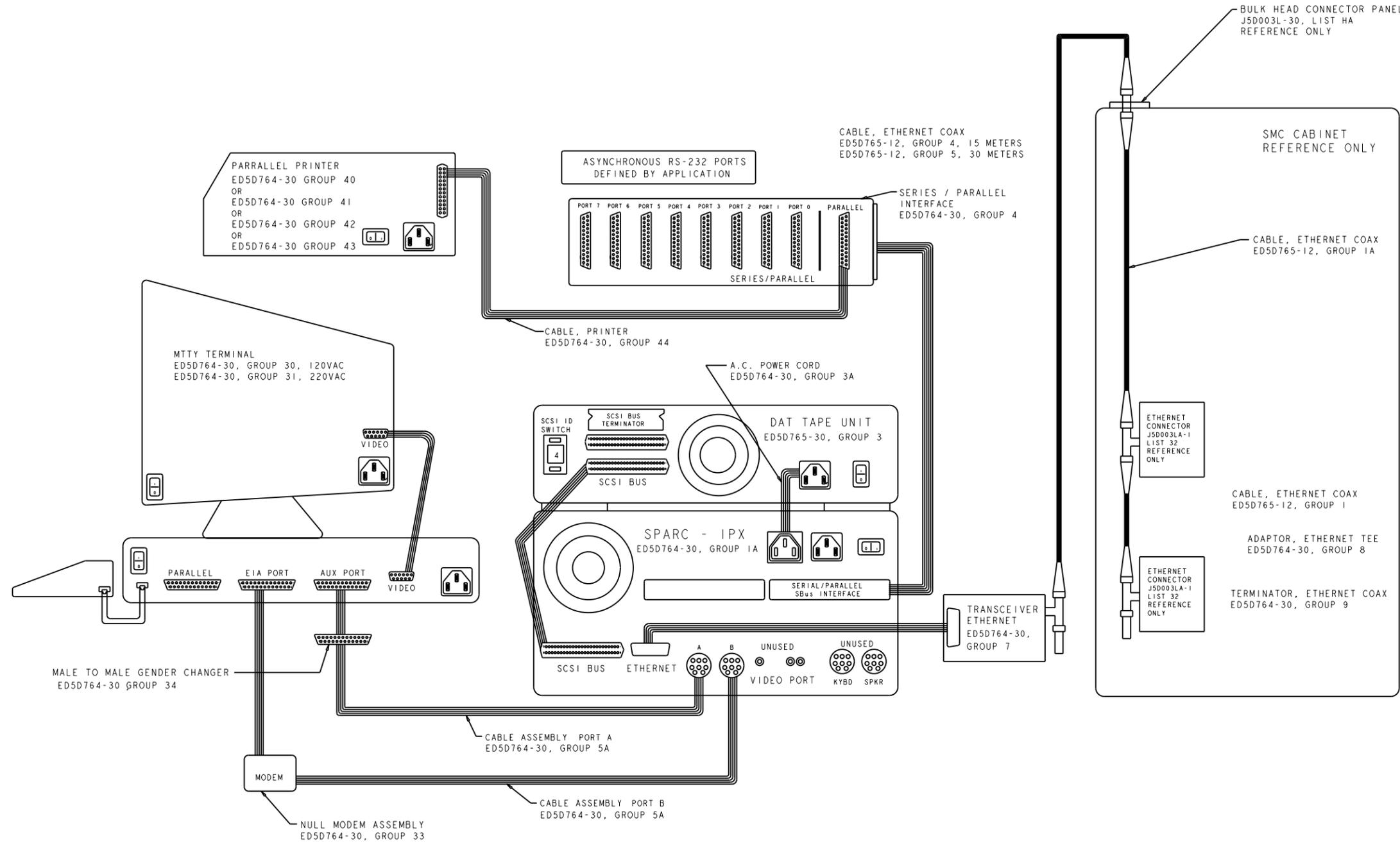


FIGURE 3
VERSION RATED DISCONTINUED - 04/01/96

PROJ-EOEDFORM.FRM-FEB-96

ED5D764-30

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJN 	
DWG SIZE C2		ISSUE 19	
LUCENT TECHNOLOGIES		ED5D764-30	
SHEET NO. B3			

MODELED BY: REA JOHNSON DATE: 05-APR-2000

DRAWING NAME=ED5D764-30B3.CES3

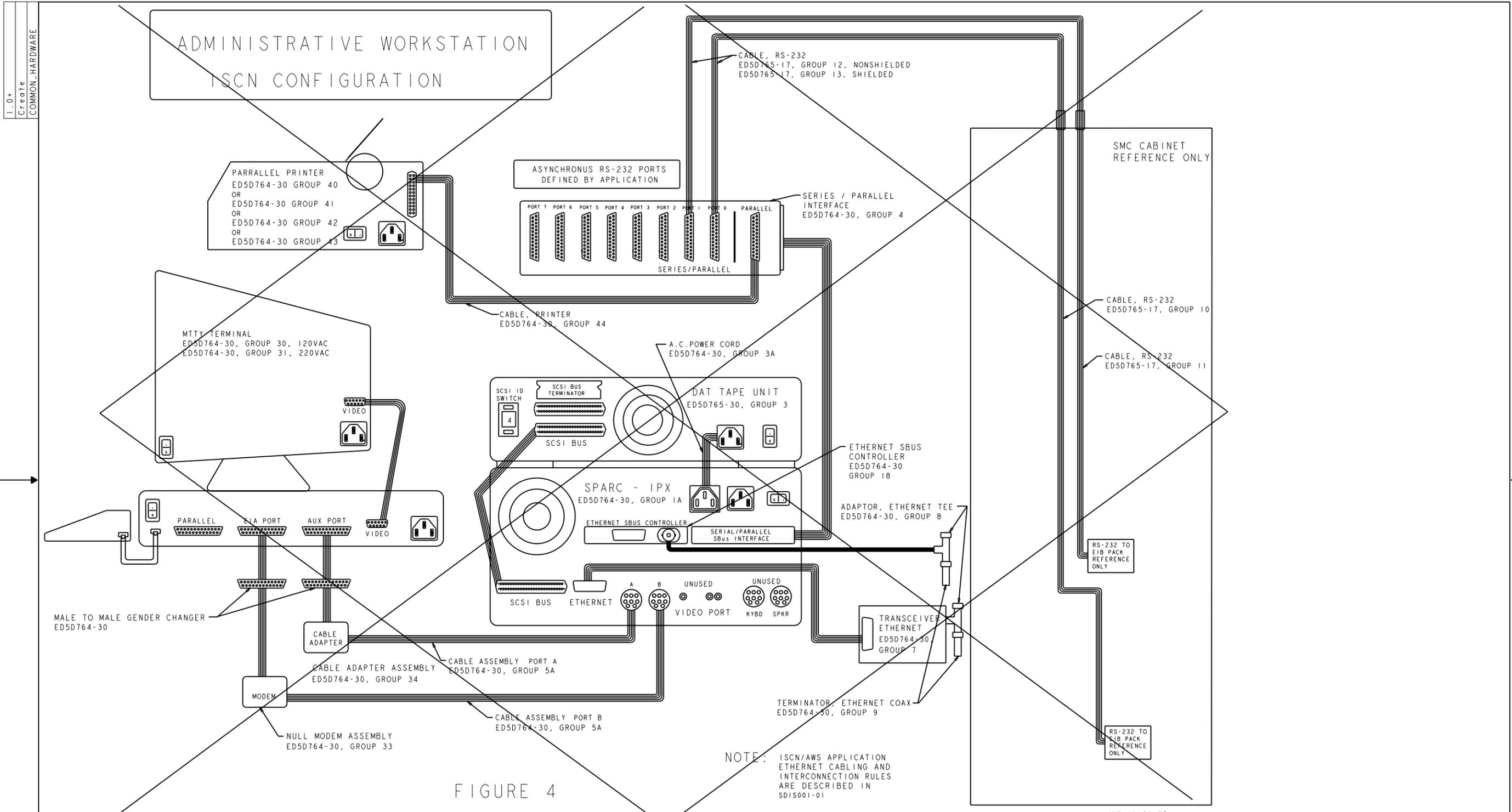


FIGURE 4

VERSION RATED DISCONTINUED - 3/21/94

1.0+
Create
COMMON-HARDWARE

PROJ-EGEDFORM.FRM-FEB-96

ED5D764-30

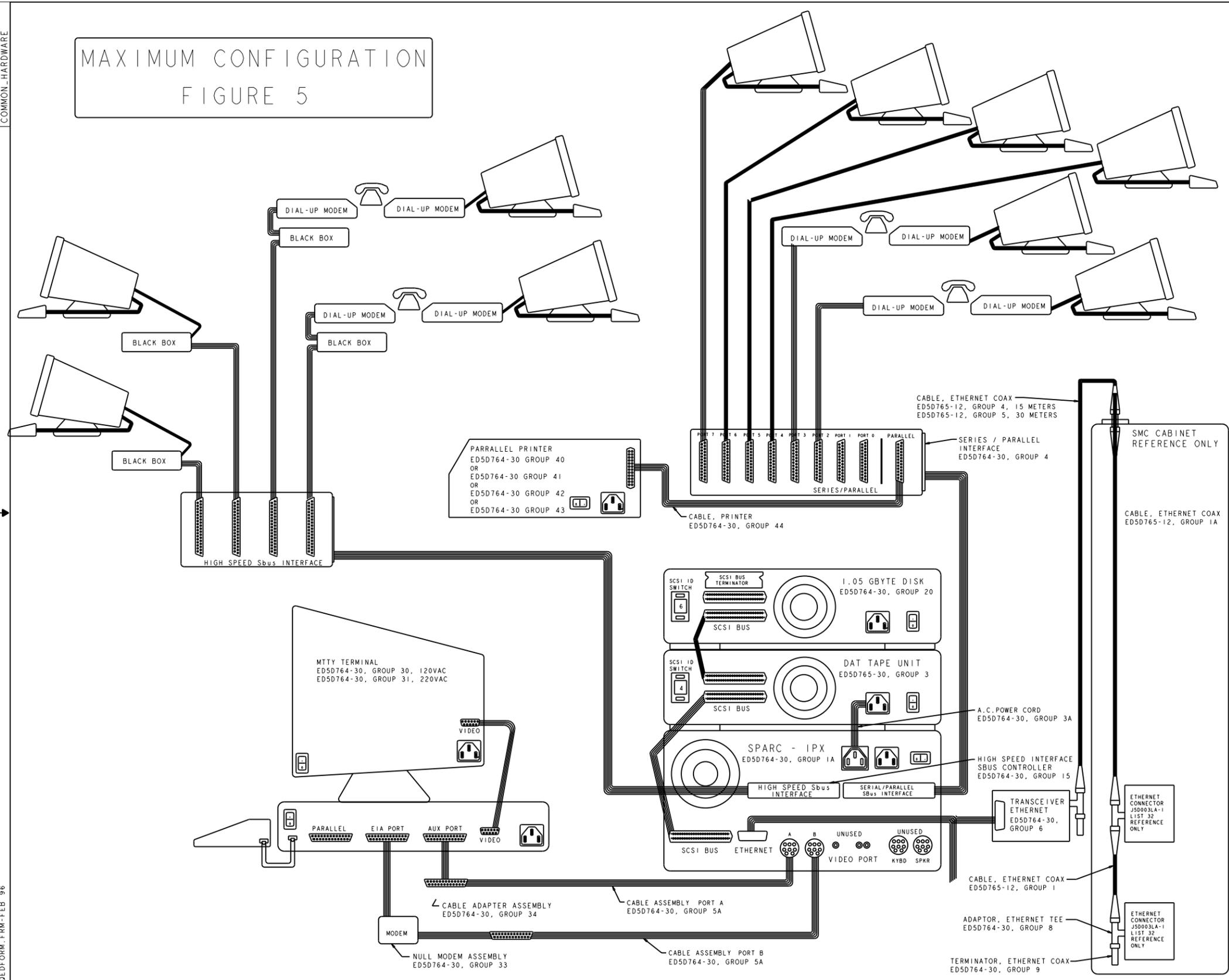
ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 19	
LUCENT TECHNOLOGIES		SHEET NO. B4	
ED5D764-30			

MODELED BY: REA JOHNSON DATE: 05-APR-2000

DRAWING NAME=ED5D764-30B4.CES3

1.0+
Create
COMMON-HARDWARE

MAXIMUM CONFIGURATION FIGURE 5

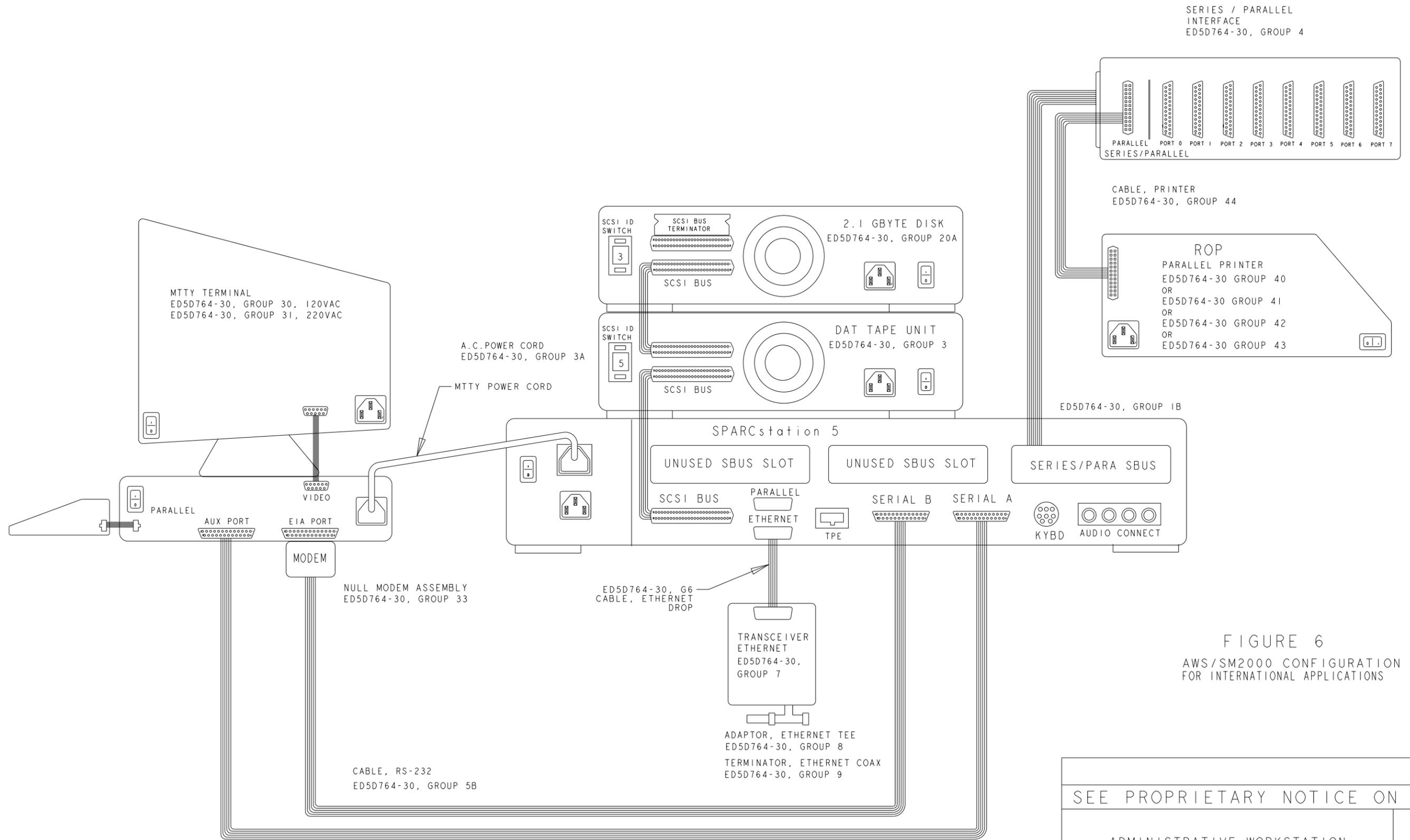


PROJ-EGEDFORM.FRM-FEB-96

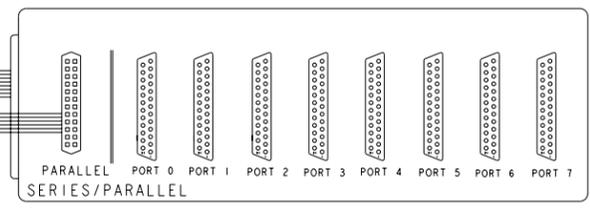
ED5D764-30

VERSION RATED DISCONTINUED - 04/01/96

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ ⊕
DWG SIZE C2	ISSUE 19	SHEET NO. B5
LUCENT TECHNOLOGIES		ED5D764-30
MODELED BY: REA JOHNSON	DATE: 05-APR-2000	



SERIES / PARALLEL
INTERFACE
ED5D764-30, GROUP 4



CABLE, PRINTER
ED5D764-30, GROUP 44

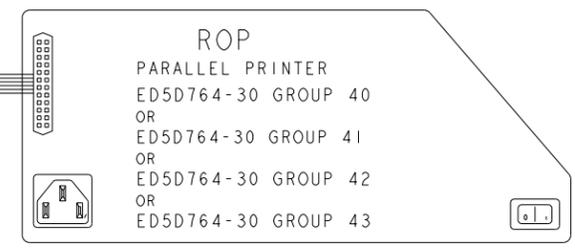
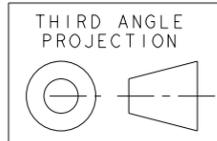


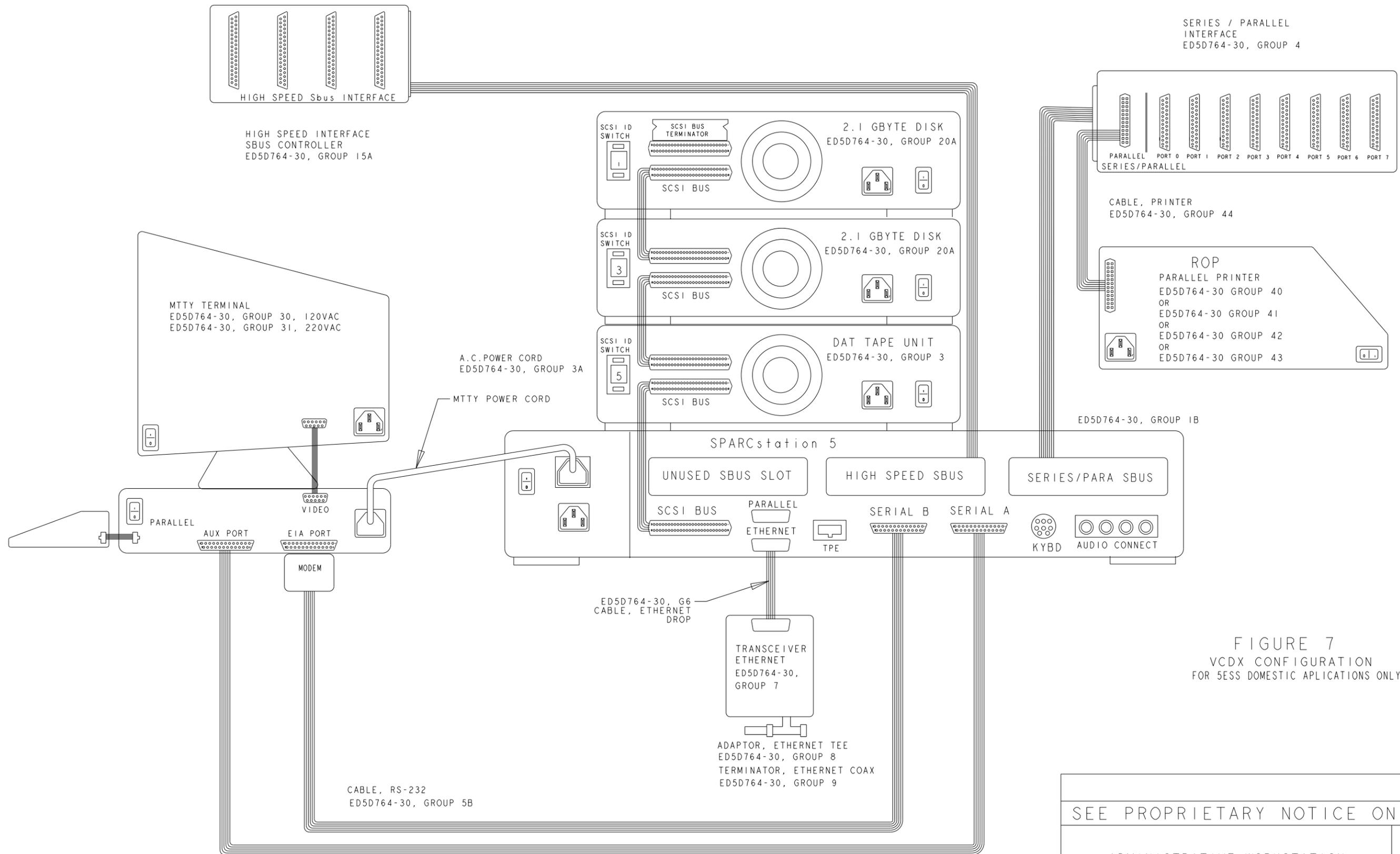
FIGURE 6
AWS/SM2000 CONFIGURATION
FOR INTERNATIONAL APPLICATIONS

SEE PROPRIETARY NOTICE ON SHEET A1		
ADMINISTRATIVE WORKSTATION FOR 5ESS-2000 SWITCHING SYSTEM		DWG SIZE C2
LUCENT	ED5D764-30	ISSUE 10 SHEET B6

VERSION RATED DISCONTINUED - 04/01/96



ED5D764-30



SERIES / PARALLEL
INTERFACE
ED5D764-30, GROUP 4

HIGH SPEED INTERFACE
SBUS CONTROLLER
ED5D764-30, GROUP 15A

MTTY TERMINAL
ED5D764-30, GROUP 30, 120VAC
ED5D764-30, GROUP 31, 220VAC

A.C. POWER CORD
ED5D764-30, GROUP 3A

MTTY POWER CORD

SPARCstation 5

UNUSED SBUS SLOT

HIGH SPEED SBUS

SERIES/PARA SBUS

SCSI BUS

PARALLEL
ETHERNET

SERIAL B

SERIAL A

KYBD

AUDIO CONNECT

ED5D764-30, G6
CABLE, ETHERNET
DROP

TRANSCEIVER
ETHERNET
ED5D764-30,
GROUP 7

ADAPTOR, ETHERNET TEE
ED5D764-30, GROUP 8
TERMINATOR, ETHERNET COAX
ED5D764-30, GROUP 9

CABLE, RS-232
ED5D764-30, GROUP 5B

ED5D764-30, GROUP 1B

FIGURE 7
VCDX CONFIGURATION
FOR 5ESS DOMESTIC APPLICATIONS ONLY

SEE PROPRIETARY NOTICE ON SHEET A1

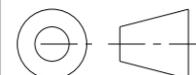
ADMINISTRATIVE WORKSTATION
FOR 5ESS-2000
SWITCHING SYSTEM

DWG SIZE	ISSUE
C2	10

LUCENT ED5D764-30

SHEET
B7

THIRD ANGLE
PROJECTION



VERSION RATED DISCONTINUED - 04/01/96

ED5D764-30

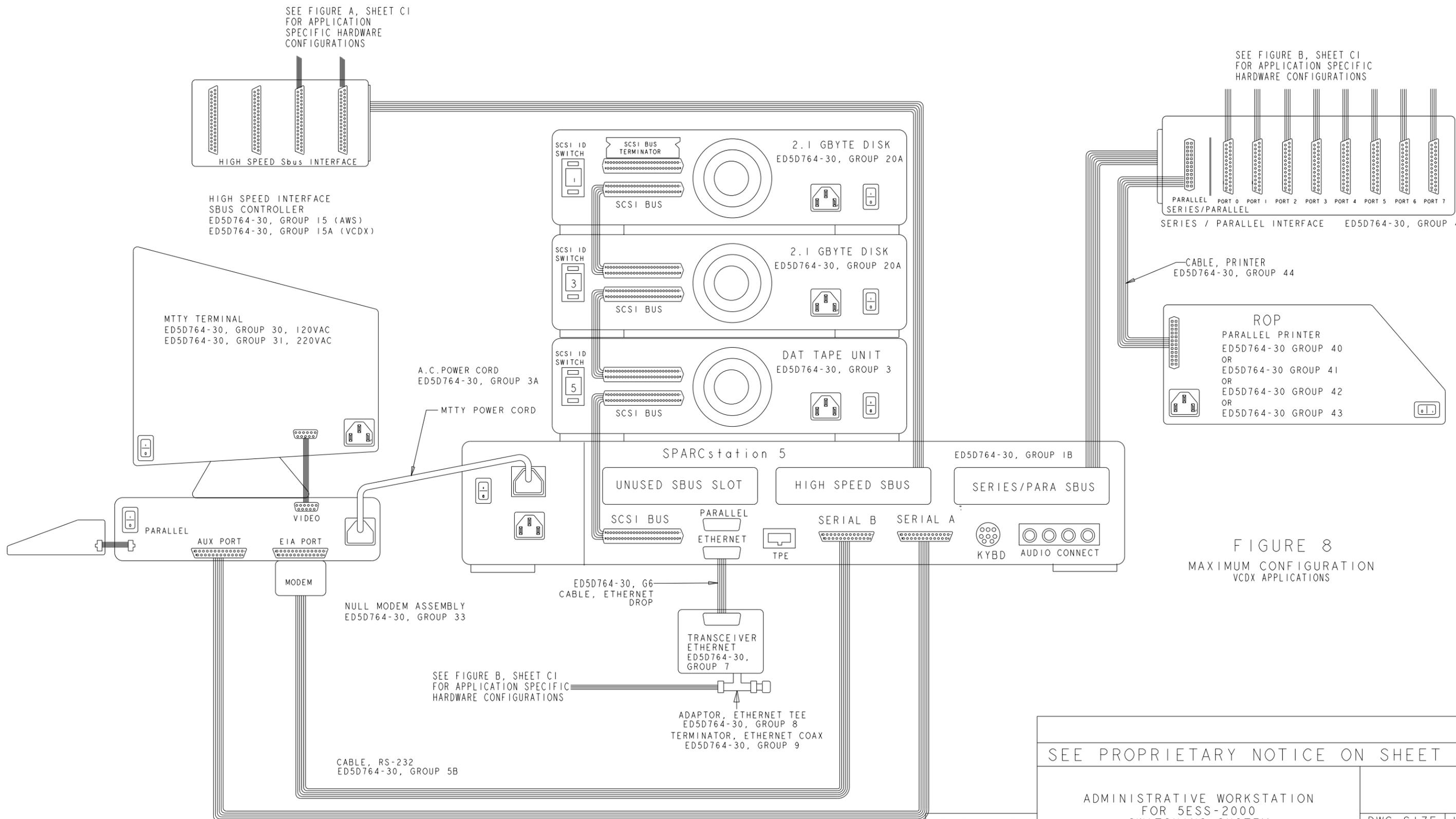
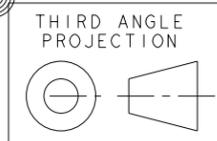


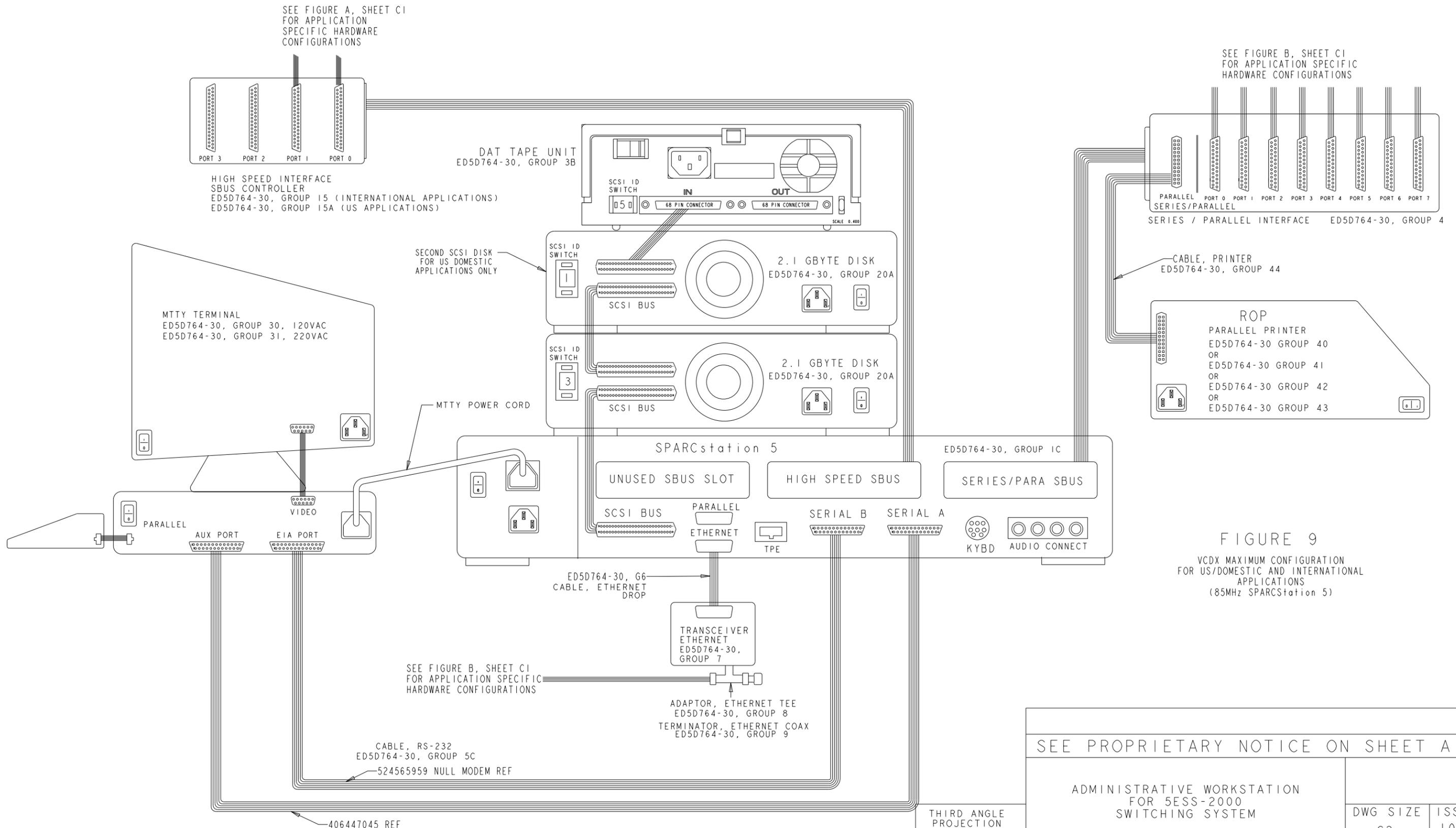
FIGURE 8
MAXIMUM CONFIGURATION
VCDX APPLICATIONS

SEE PROPRIETARY NOTICE ON SHEET A1		
ADMINISTRATIVE WORKSTATION FOR 5ESS-2000 SWITCHING SYSTEM		DWG SIZE C2
LUCENT	ED5D764-30	ISSUE 10
		SHEET B8

ED5D764-30

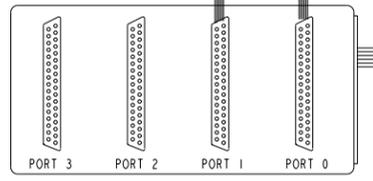
VERSION RATED DISCONTINUED - 04/01/96



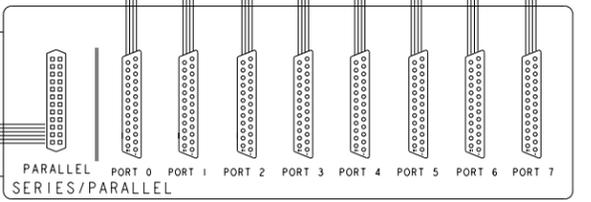


SEE FIGURE A, SHEET C1
FOR APPLICATION
SPECIFIC HARDWARE
CONFIGURATIONS

SEE FIGURE B, SHEET C1
FOR APPLICATION SPECIFIC
HARDWARE CONFIGURATIONS



HIGH SPEED INTERFACE
SBUS CONTROLLER
ED5D764-30, GROUP 15 (INTERNATIONAL APPLICATIONS)
ED5D764-30, GROUP 15A (US APPLICATIONS)



PARALLEL PORT 0 PORT 1 PORT 2 PORT 3 PORT 4 PORT 5 PORT 6 PORT 7
SERIES/PARALLEL
SERIES / PARALLEL INTERFACE ED5D764-30, GROUP 4

MTTY TERMINAL
ED5D764-30, GROUP 30, 120VAC
ED5D764-30, GROUP 31, 220VAC

SECOND SCSI DISK
FOR US DOMESTIC
APPLICATIONS ONLY

CABLE, PRINTER
ED5D764-30, GROUP 44

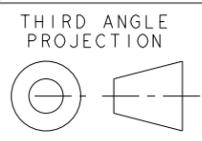
ROP
PARALLEL PRINTER
ED5D764-30 GROUP 40
OR
ED5D764-30 GROUP 41
OR
ED5D764-30 GROUP 42
OR
ED5D764-30 GROUP 43

FIGURE 9
VCDX MAXIMUM CONFIGURATION
FOR US/DOMESTIC AND INTERNATIONAL
APPLICATIONS
(85MHz SPARCStation 5)

SEE PROPRIETARY NOTICE ON SHEET A1		
ADMINISTRATIVE WORKSTATION FOR 5ESS-2000 SWITCHING SYSTEM		DWG SIZE C2
LUCENT	ED5D764-30	ISSUE 10
		SHEET B9

ED5D764-30

VERSION RATED DISCONTINUED - 07/31/96



1.1 Create COMMON-HARDWARE

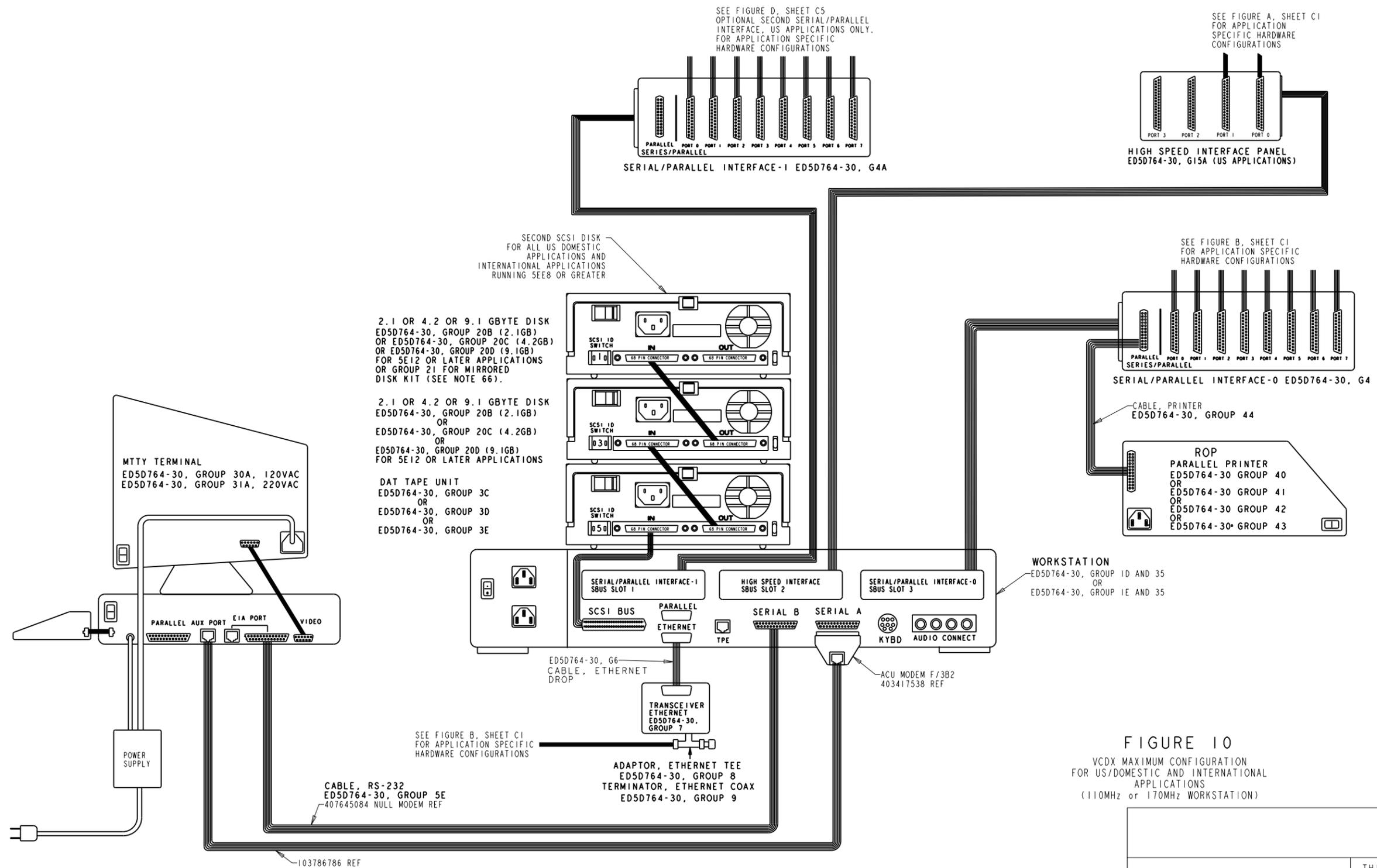


FIGURE 10
VCDX MAXIMUM CONFIGURATION
FOR US/DOMESTIC AND INTERNATIONAL
APPLICATIONS
(110MHz or 170MHz WORKSTATION)

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJN 	
DWG SIZE C2		ISSUE 17	
LUCENT TECHNOLOGIES		ED5D764-30	
SHEET NO. B10			

MODELED BY: C.E. SCHILDER DATE: 31-Jan-99

DRAWING NAME=ED5D764-30B10
MODEL/ASM NAME=DAT_CES3

PROJ-EOEDFORM.FRM-FEB-96

ED5D764-30

Initial COMMON-HARDWARE

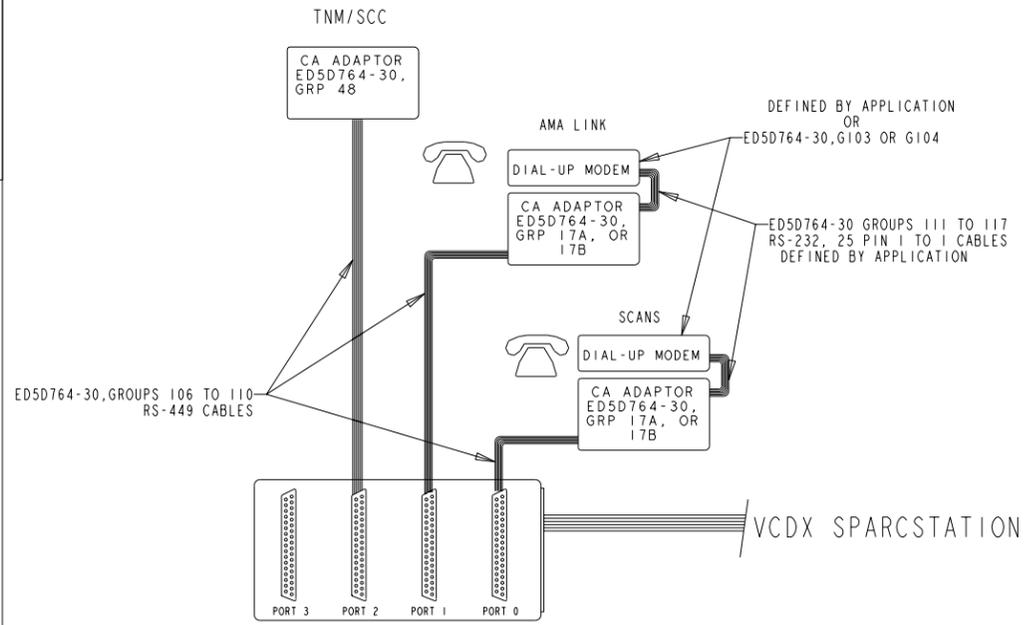


FIGURE A.
HIGH SPEED INTERFACE CONFIGURATION.
FOR SESS-US APPLICATIONS.
(OPTIONAL FOR INTERNATIONAL APPLICATIONS)
SEE APPLICATION SCHEMATIC SD-5D519-01 AND OSS DRAWING FOR
CONFIGURATION, EQUIPMENT, AND INTERCONNECTION INFORMATION.

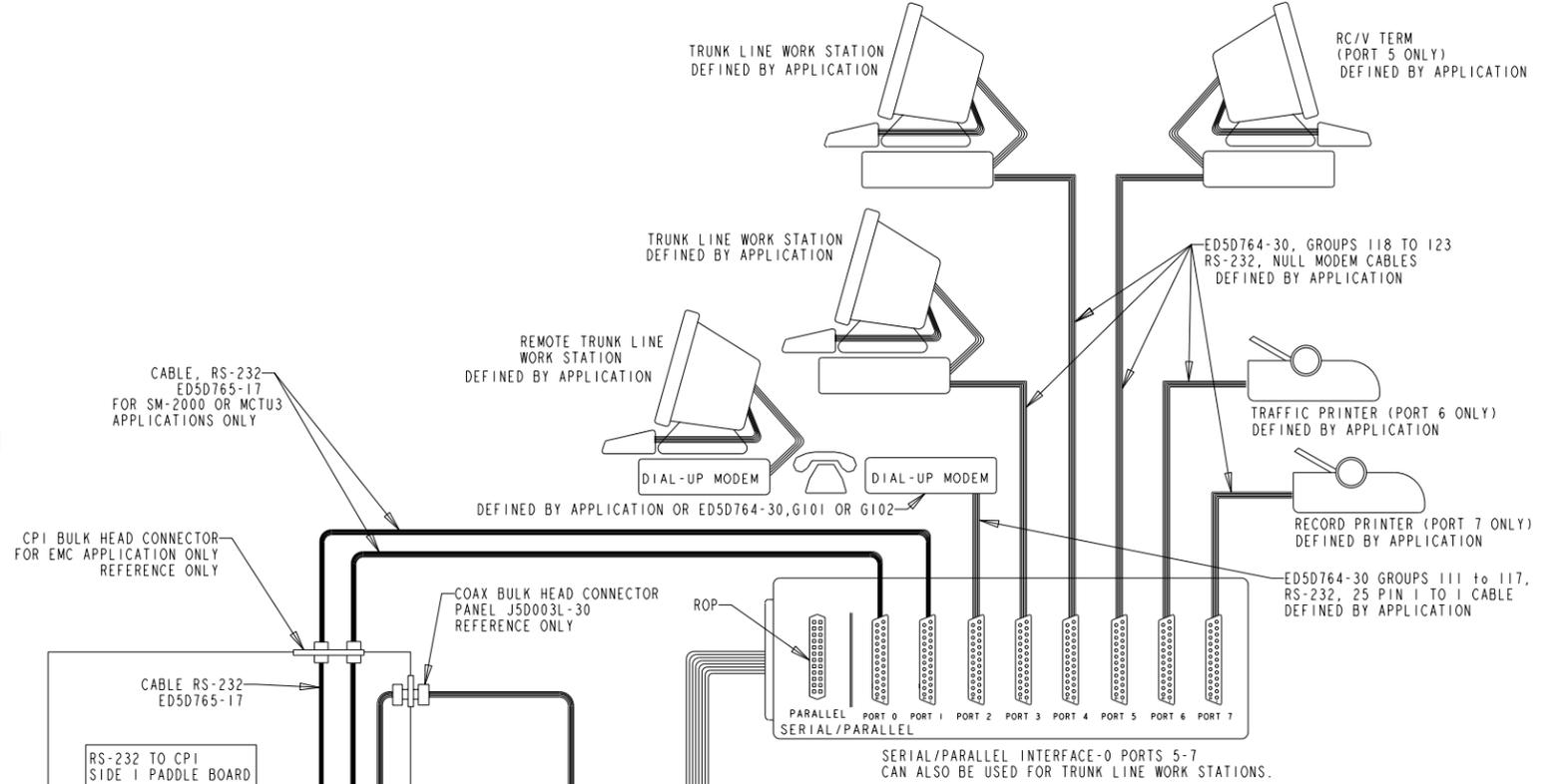
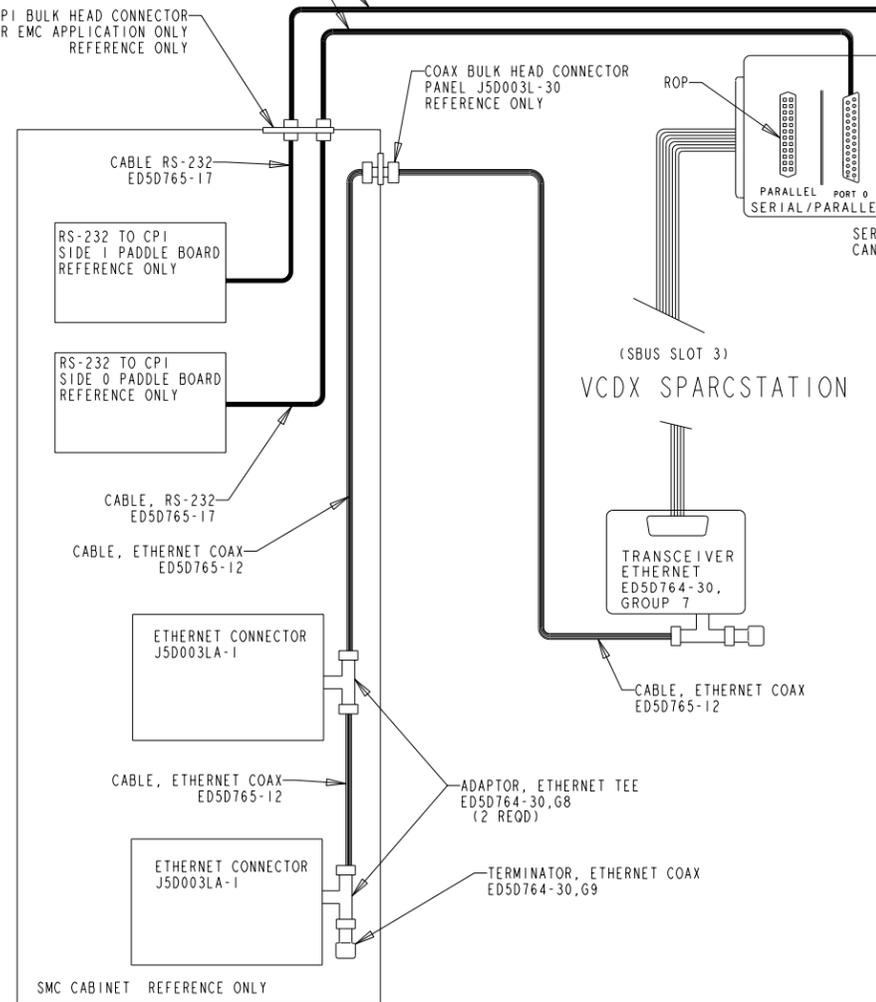


FIGURE B.
SERIAL/PARALLEL INTERFACE-0 CONFIGURATION
FOR SESS US AND INTERNATIONAL APPLICATIONS
SEE APPLICATION SCHEMATIC SD-5D519-01 AND OSS DRAWING FOR
CONFIGURATION, EQUIPMENT, AND INTERCONNECTION INFORMATION.



☎ = TELEPHONE LINE

PROJ-EGEDFORM, FRM-FEB-96

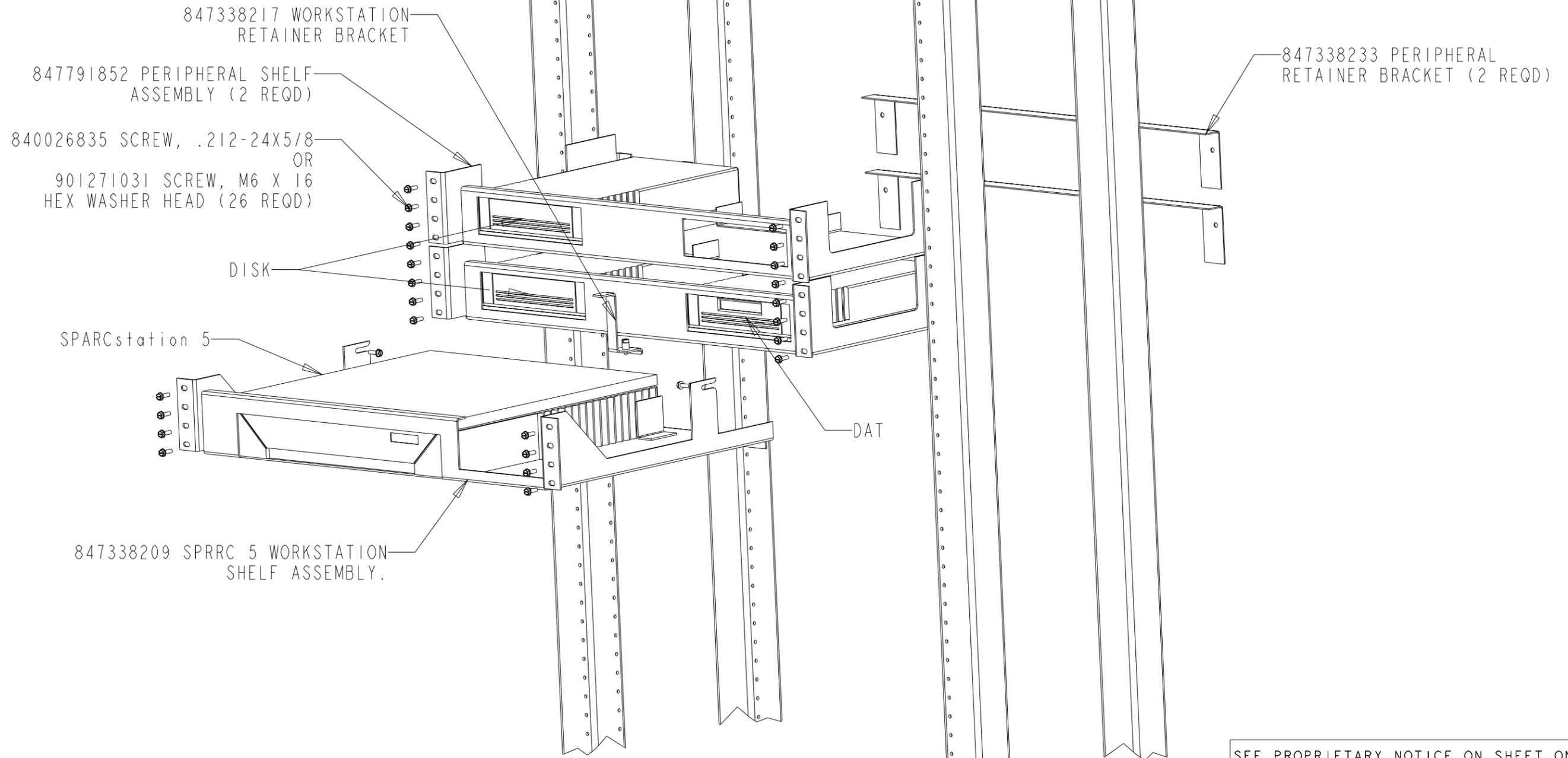
ED5D764-30

MODELED BY: C.E. SCHILDER DATE: 20-Aug-98

ADMINISTRATIVE WORKSTATION FOR SESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ ⊕	
DWG SIZE C2	ISSUE 15	SHEET NO. CI	
LUCENT TECHNOLOGIES		ED5D764-30	

NOTES:

1. 12.5 INCHES OF VERTICAL SPACE IS REQUIRED TO MOUNT THE 3 SHELVES IN A 5ESS CABINET.
2. CABLING OF ELECTRONIC COMPONENTS SHOULD FOLLOW THE SAME BASIC CONNECTIVITY OF THE TABLE TOP VCDX SYSTEM.
3. THE MOUNTING SHELVES ARE NOT NEBS COMPLIANT.

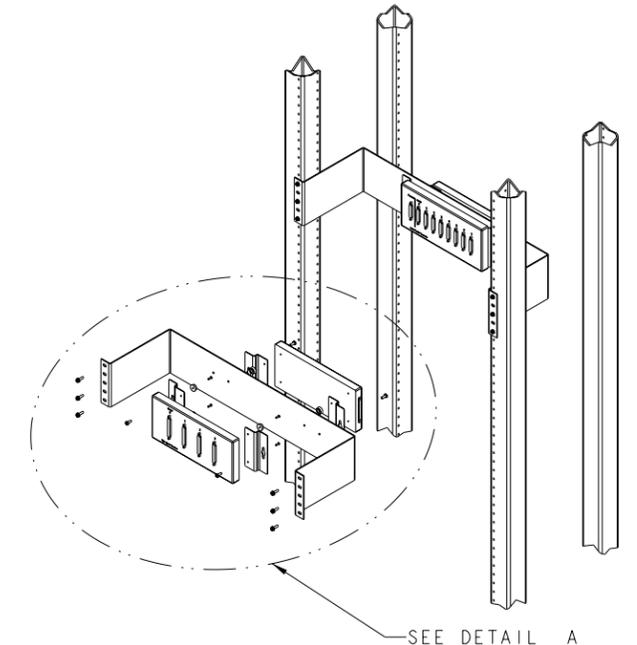
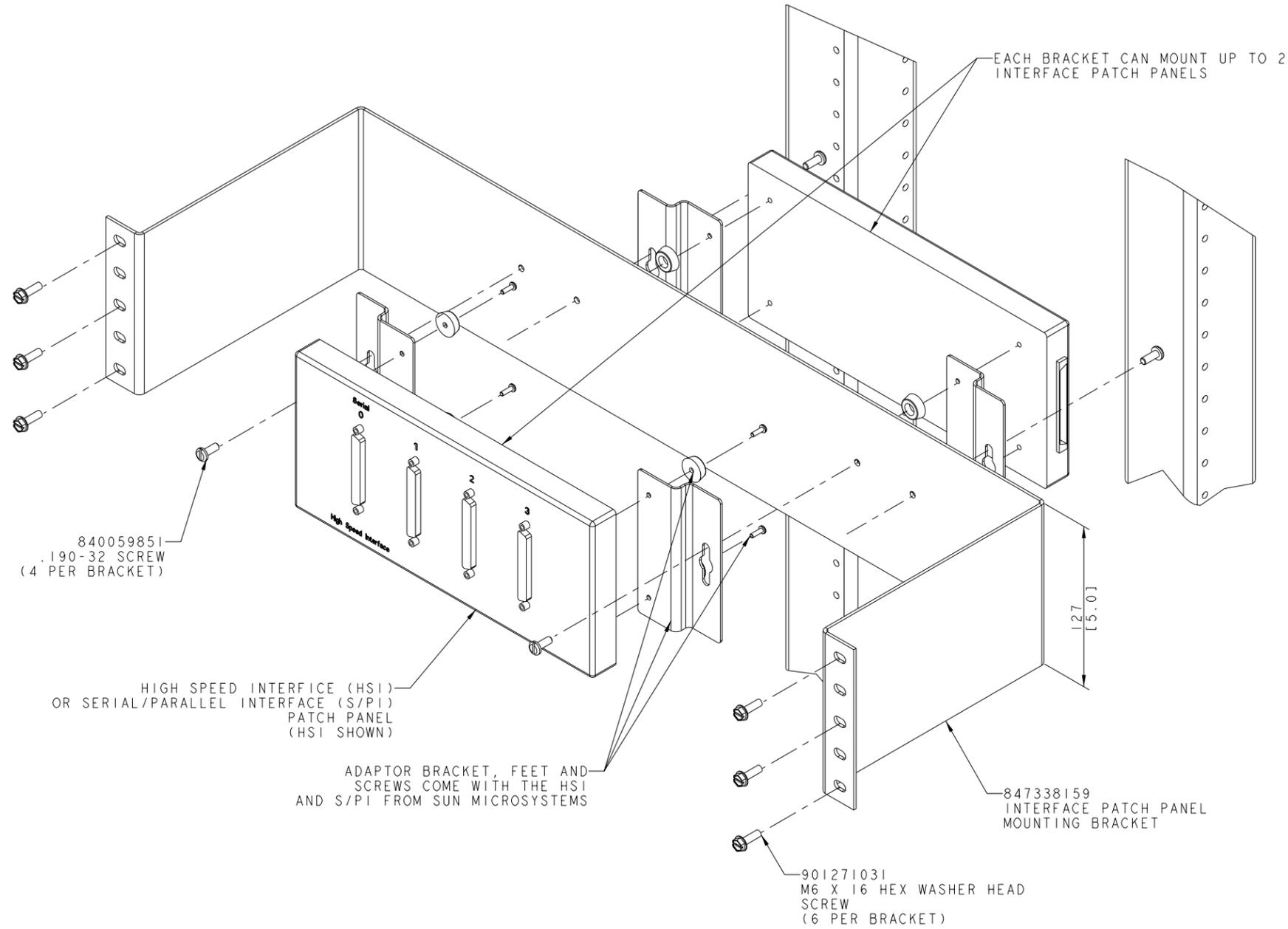


CABINET MOUNTING HARDWARE, ED5D764-30, GROUP 51
FOR SPARCSTATION 5 AND SUN UNIPACK
PERIPHERALS

SEE PROPRIETARY NOTICE ON SHEET ONE

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		DWG SIZE C2	ISSUE 11
LUCENT TECHNOLOGIES	ED5D764-30	SHEET C2	

ED5D764-30



HIGH SPEED INTERFACE (HSI)
OR SERIAL/PARALLEL INTERFACE (S/PI)
PATCH PANEL
(HSI SHOWN)

ADAPTOR BRACKET, FEET AND
SCREWS COME WITH THE HSI
AND S/PI FROM SUN MICROSYSTEMS

847338159
INTERFACE PATCH PANEL
MOUNTING BRACKET

901271031
M6 X 16 HEX WASHER HEAD
SCREW
(6 PER BRACKET)

DETAIL A
SCALE 5/8

CABINET MOUNTING HARDWARE FOR THE
HIGH SPEED INTERFACE PANEL AND
THE SERIAL/PARALLEL INTERFACE PANEL

PROJ-EGEDFORM.FRM-FEB 96

ED5D764-30C3

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEMS		THIRD ANGLE PROJ 	
(P) DWG SIZE C2		ISSUE 14	
LUCENT TECHNOLOGIES	ED5D764-30	SHEET NO. C3	

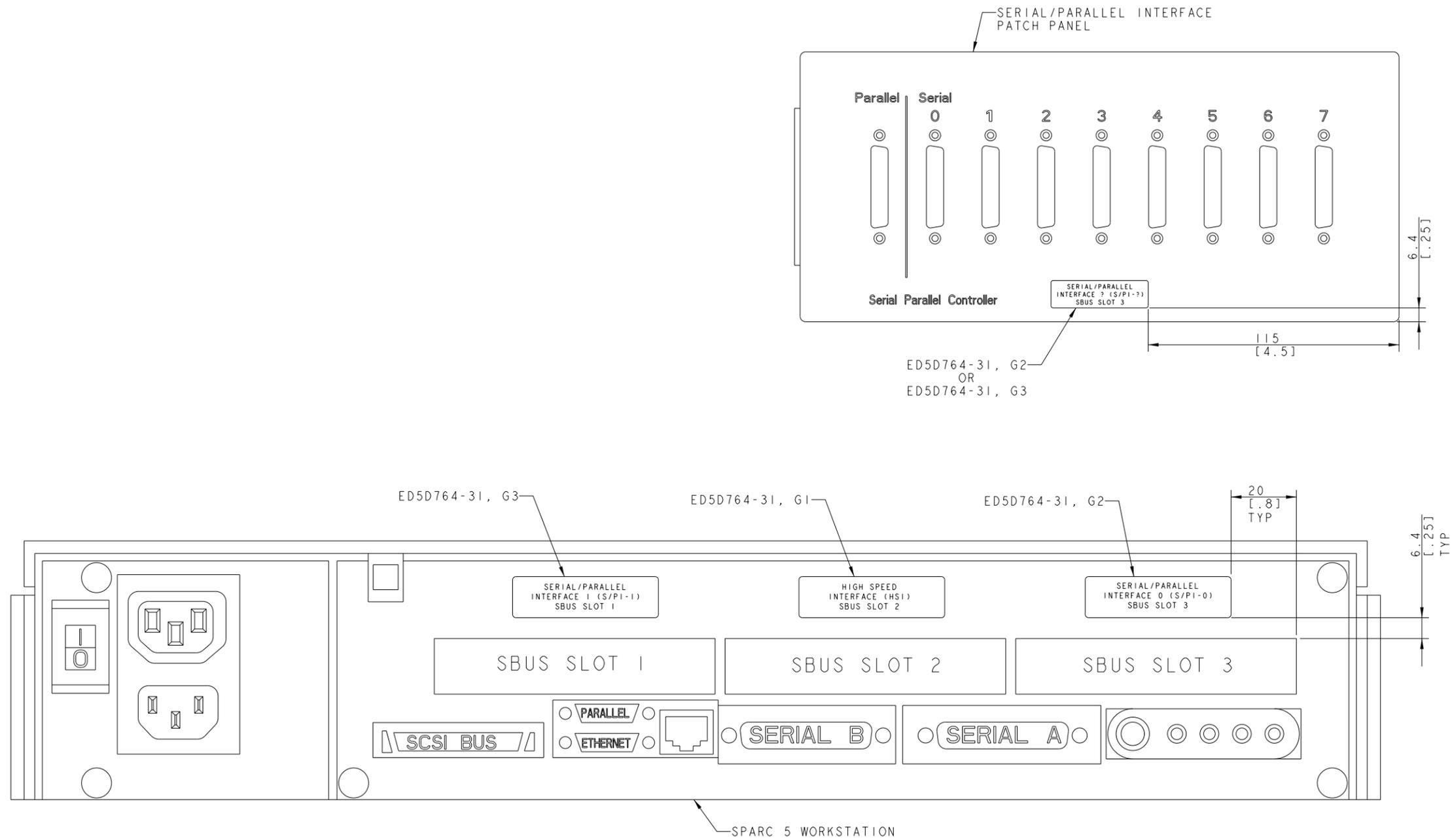
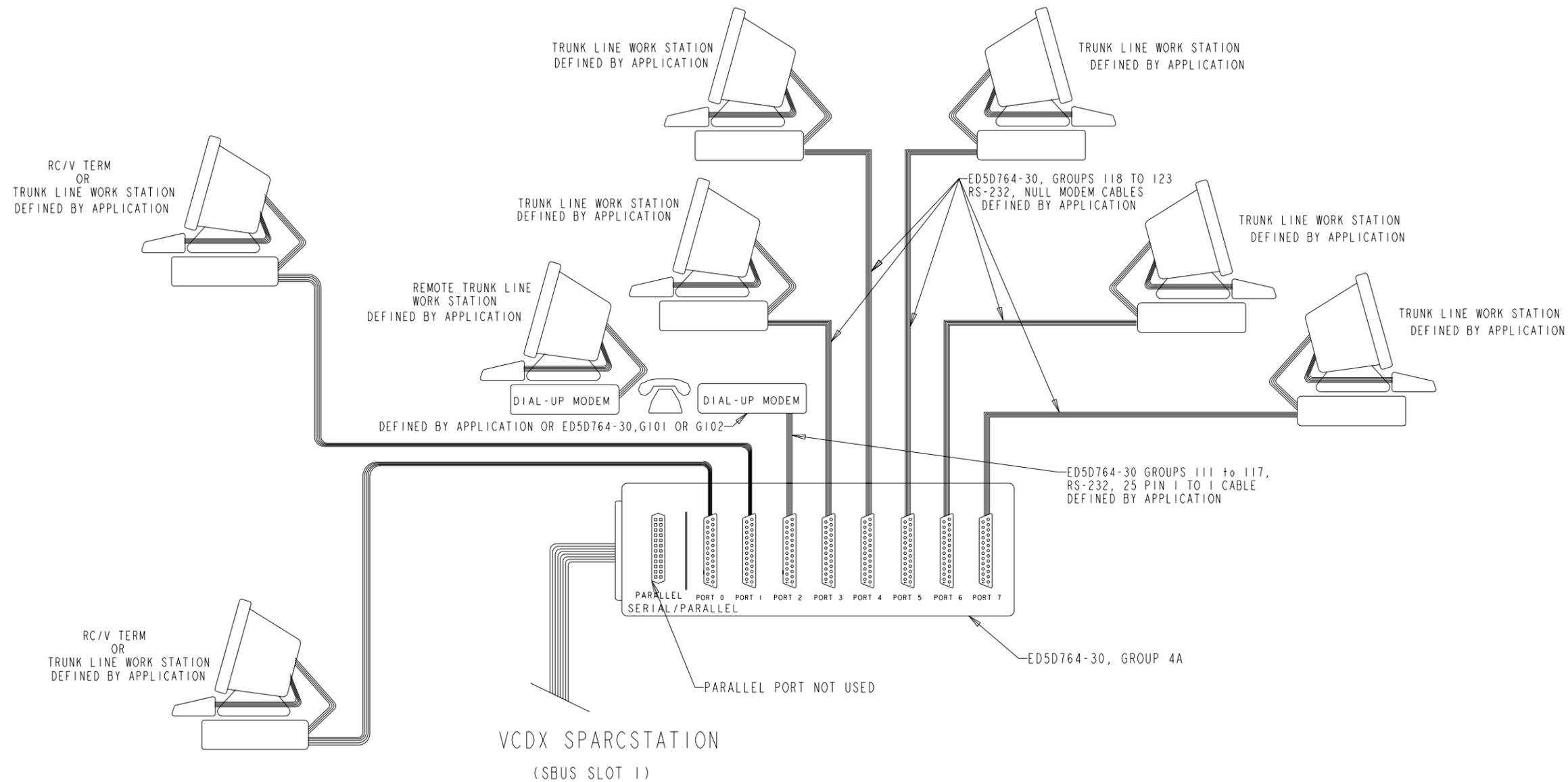


FIGURE C.
LABEL LOCATION FIGURES

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEMS		THIRD ANGLE PROJ ⊕	
DWG SIZE C2		ISSUE 14	
LUCENT TECHNOLOGIES	ED5D764-30	SHEET NO. C4	



VCDX SPARCSTATION
(SBUS SLOT 1)

FIGURE D.
SERIAL/PARALLEL INTERFACE-1 CONFIGURATION
FOR SESS US APPLICATIONS ONLY (OPTIONAL)

SEE APPLICATION SCHEMATIC SD-5D519-01 AND OSS DRAWING FOR
CONFIGURATION, EQUIPMENT, AND INTERCONNECTION INFORMATION.

= TELEPHONE LINE

ED5D764-30C1_CESB

ADMINISTRATIVE WORKSTATION FOR SESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ 	
		DWG SIZE C2	ISSUE 14
LUCENT TECHNOLOGIES	ED5D764-30	SHEET NO. C5	
MODEL NAME			

Initial
COMMON-HARDWARE

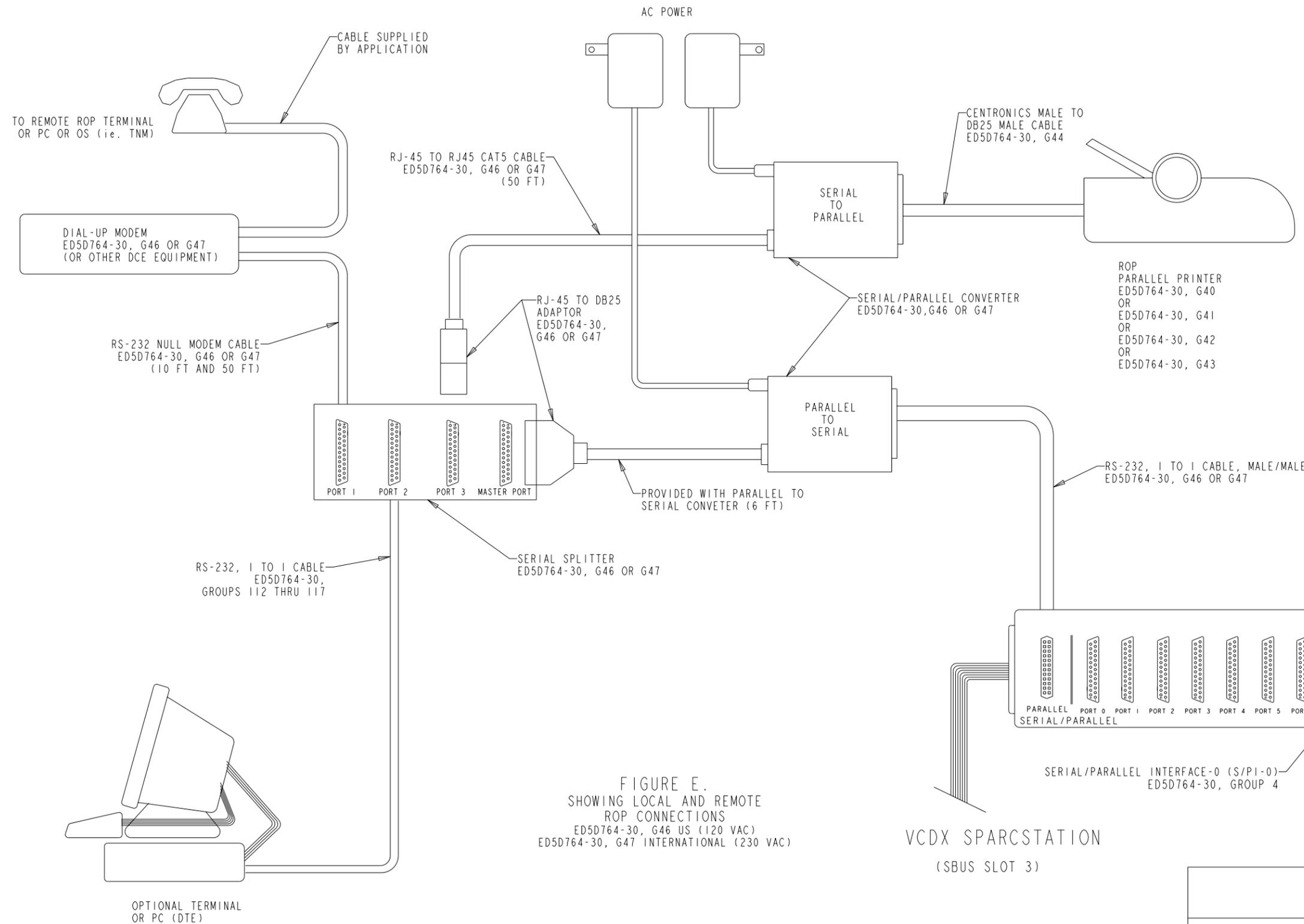


FIGURE E.
SHOWING LOCAL AND REMOTE
ROP CONNECTIONS
ED5D764-30, G46 US (120 VAC)
ED5D764-30, G47 INTERNATIONAL (230 VAC)

VCDX SPARCSTATION
(SBUS SLOT 3)

PROJ-EGEDFORM.FRM-FEB-96

ED5D764-30

ADMINISTRATIVE WORKSTATION FOR 5ESS - 2000 SWITCHING SYSTEM		THIRD ANGLE PROJ 	
DWG SIZE C2		ISSUE 15	
LUCENT TECHNOLOGIES		SHEET NO. C6	
ED5D764-30			

MODELED BY: C.E.Schilder DATE: 20-Aug-98

DRAWING NAME=ED5D764-30C1.CES3
MODEL/ASM NAME=MODEL NAME

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1210	16	1	406878199		SOFTWARE, SUNLINK X.25			
1220	17	1	402878839	KS22636L1	ADAPTER			
1222	17A	1	406697722		CONVERTER, POWER			
1226	17B	1	406229880		CONVERTER, POWER			
1227	17B	1	406812149		CONVERTER			
1228	18	1	407055094		CONTROLLER, NETWORK			
1230	20	1	406878132		DISK, HARD			
1232	20A	1	407186279		DISK, HARD			
1233	20B	1	407550938		DISK, 2.1GB DISK DRIVE			
1234	20C	1	407730449		DRIVE, DISK, HARD INTERNAL			
1235	20C	1	407942762		DRIVE, DISK, HARD EXTERNAL			
1236	20C	1	407934470		CABLE			
1237	20D	1	408027019		DRIVE, DISK, HARD EXTERNAL			
1238	20D	1	407934470		CABLE			
1239	20D	1	408190528		DRIVE, DISK, HARD EXTERNAL			
1240	30	1	406854182	KS23996L1	STATION, WORK			
1241	30A	1	407552488	KS23996L2	STATION, WORK			
1250	31	1	406854190	KS23996L5	STATION, WORK			
1251	31A	1	407552496	KS23996L6	STATION, WORK			
1260	32	1	406447045		CABLE, ELECTRONIC			
1280	33	1	407123702		MODEM, DATA DISPLAY			
1290	34	1	407141233		CABLE ASSEMBLY, SHIELDED			
1291	35,36	2	407725712		PACKAGE, 32 MB EXPANSION FOR SS5			
1292	35,36	2	408328011		PACKAGE, 32MB EXP. FOR VCDX SPARC5			
1300	40	1	406753038		PRINTER, DOT MATRIX			13
1305	40	1	407645043		PRINTER, DOT MATRIX			
1310	41	1	406891994		PRINTER, DOT MATRIX			14
1320	42	1	406217158		PRINTER, DOT MATRIX			
1330	43	1	406593152		PRINTER, DOT MATRIX			
1340	44	1	524305000		CABLE			
1400	50	1	406937185		CORD, POWER			
1402	21	1	407550938		DISK, 2.1GB DISK DRIVE			
1403	21,21A,21B	1	407686930		CABLE ASSEMBLY, JUMPER			
1404	21A	2	407730449		DRIVE, DISK, HARD INTERNAL			
1405	21A	2	407942762		DRIVE, DISK, HARD EXTERNAL			
1406	21A	2	407934470		CABLE			
1407	21B	2	408027019		DRIVE, DISK, HARD EXTERNAL			
1408	21B	2	407934470		CABLE			
1409	21B	2	408190528		DRIVE, DISK, HARD EXTERNAL			
1410	51	2	847338233		BRACKET, RETAINER			
1411	51	1	847338209		SHELF, CONTROL			
1412	51	1	847338217		BRACKET, RETAINER			
1413	51	26	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) STEEL ZINC PLATE 289A FINISH			
1414	51	2	847791852		SHELF, MOUNTING			
1415	51	26	901271031		SCREW, HEXAGONAL WASHER			

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

ED5D764-30

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1420	52	2	847941069		BRACKET, MOUNTING			
1421	52	8	901271031		SCREW, HEXAGONAL WASHER			
1422	52	16	847650686		SCREW, MACHINE, PAN PHILLIPS ACRZ			
1423	52	16	901258012		WASHER, LOCK INTERNAL TOOTH			
1424	52	16	901340059		SCREW M4-0.7 X 6MM STEEL PAN CROSS RECESS HEAD PHILLIPS ZINC CHROMATE 289A FINISH			
1425	53	6	901271031		SCREW, HEXAGONAL WASHER			
1426	53	4	840059851		SCREW, PAN HEAD SLOTTED MACHINE .190-32 X 1/2 STEEL			
1427	53	1	847338159		BRACKET, MOUNTING			
1428	54	5	407220151		KIT, APPLICATION			
1429	55	5	407902048		KIT, COMPUTER			
1500	46,47	1	407623586		CABLE (10 FT.)			
1505	46	2	407946995		CONVERTER, SERIAL (SERIAL<>PARALLEL-115VAC)			
1510	46,47	2	407947027		ADAPTER, CONVERTER (RJ45-DE25-MALE)			
1515	46,47	1	407947290		INTERFACE, RS-232 (3 PORT SPLITTER)			
1520	46,47	1	407947340		CABLE (RJ45-RJ45--50 FT.)			
1525	46,47	1	407645092		CABLE ASSEMBLY, INTERFACE (10 FT.)			
1530	46,47	1	407645118		CABLE ASSEMBLY, INTERFACE (50 FT.)			
1535	46	1	106597768	3810-A1-001	MODEM, DATA TRANSFER			
1536	47	1	106788847	3810-A1-301	MODEM, DATA TRANSFER			
1550	47	2	407950062		CONVERTER, SERIAL (SERIAL<>PARALLEL-230VAC)			
1555	48	1	406697722		CONVERTER, POWER			
2995	99	1	601428360	H005-506, G67	DOCUMENT			
3000	100	1	106463300	56C707YCAA	TERMINAL, DATA			
3010	101	1	106597768	3810-A1-001	MODEM, DATA TRANSFER			
3020	102	1	106788847	3810-A1-301	MODEM, DATA TRANSFER			
3030	103	1	106597776	3820-A1-001	MODEM, STANDALONE			
3040	104	1	106788854	3820-A1-301	MODEM, DATA TRANSFER			
3050	105	1	ED5D621-11,G203		CABLING, INTERCABINET			
3051	105	1	ED5D621-35,G653		CABLE, CONNECTORIZED ASSEMBLY			
3060	200	1	407318625		PACK,CIRCUIT			12

STOCKLIST CONTINUED ON SHEET D3

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
3070	201	1	407318633		PACK,CIRCUIT			12
3500	106	1	407667294		CABLE ASSEMBLY, COMPUTER			
3501	107	1	407623230		CABLE, DOUBLE ENDED			
3502	108	1	407667302		CABLE ASSEMBLY, COMPUTER			
3503	109	1	407602572		CABLE ASSEMBLY, INTERFACE/CROSSOVER			
3504	110	1	407667310		CABLE ASSEMBLY, COMPUTER			
3505	111	1	407667328		CABLE ASSEMBLY, COMPUTER			
3506	112	1	407667336		CABLE ASSEMBLY, COMPUTER			
3507	113	1	407667344		CABLE ASSEMBLY, COMPUTER			
3508	114	1	407667351		CABLE ASSEMBLY, COMPUTER			
3509	115	1	407667369		CABLE ASSEMBLY, COMPUTER			
3510	116	1	407667377		CABLE ASSEMBLY, COMPUTER			
3511	117	1	407667385		CABLE ASSEMBLY, COMPUTER			
3512	118	1	407645084		CABLE ASSEMBLY, INTERFACE			
3513	119	1	407645092		CABLE ASSEMBLY, INTERFACE			
3514	120	1	407645100		CABLE ASSEMBLY, INTERFACE			
3515	121	1	407645118		CABLE ASSEMBLY, INTERFACE			
3516	122	1	407645126		CABLE ASSEMBLY, INTERFACE			
3517	123	1	407645134		CABLE ASSEMBLY, INTERFACE			
5010	500	1	406953489		COMPUTER			
5020	501	1	407186246		COMPUTER, WORK STATION			
5100	502	1	407054865		TAPE, MAGNETIC			
5110	503	1	406041707		CORD, POWER			
5150	504	1	406878173		INTERFACE, RS-232			
5200	505	2	406756502		ADAPTER, INTERFACE			
5210	506	2	406447045		CABLE, ELECTRONIC			
5250	507	1	406937235		CABLE ASSEMBLY, COMPUTER			
5260	508	1	407293463		TRANSCEIVER, VOICE/DATA			
5270	509	1	401715362		ADAPTER			
5280	510	2	406645846		TERMINATOR, BNC PLUG			
5300	511	1	406878165		INTERFACE, X.25			
5310	512	1	407231034		INTERFACE, X.25			
5320	513	1	406697722		CONVERTER, POWER			
5330	514	1	406229880		CONVERTER, POWER			
5350	515	1	406878132		DISK, HARD			
5360	516	1	407186279		DISK, HARD			
5400	517	1	406854182	KS23996L1	STATION, WORK			
5410	518	1	406854190	KS23996L5	STATION, WORK			
5430	519	1	407123702		MODEM, DATA DISPLAY			
5440	520	1	407141233		CABLE ASSEMBLY, SHIELDED			
5500	521	1	406753038		PRINTER, DOT MATRIX			
5510	522	1	406891994		PRINTER, DOT MATRIX			
5520	523	1	406217158		PRINTER, DOT MATRIX			
5530	524	1	406593152		PRINTER, DOT MATRIX			
5550	525	1	524305000		CABLE			
5590	526	1	601428360	H005-506, G67	DOCUMENT			

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

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5700	530	1	106463300	56C707YCAA	TERMINAL, DATA			
5710	531	1	106597768	3810-A1-001	MODEM, DATA TRANSFER			
5720	532	1	106788847	3810-A1-301	MODEM, DATA TRANSFER			
5730	533	1	106597776	3820-A1-001	MODEM, STANDALONE			
5740	534	1	106788854	3820-A1-301	MODEM, DATA TRANSFER			
5800	535	1	407318625		PACK,CIRCUIT			12
5810	536	1	407318633		PACK,CIRCUIT			12
5812	537	1	407560234		COMPUTER, SPARC5 110MHX			
5814	538	1	407560267		MAGNET, 4-8GB DAT DRIVE,50-68 PINS			
5816	539	1	407550938		DISK, 2.1GB DISK DRIVE			
5818	540	1	407552488	KS23996L2	STATION, WORK			
5820	541	1	407552496	KS23996L6	STATION, WORK			
6500	K1	1	ED5D764-10,G1		CABLE KIT, VCDX			
6501	K2	1	ED5D764-10,G2		CABLE KIT, VCDX			
6502	K3	1	407667294		CABLE ASSEMBLY, COMPUTER			
6503	K4	1	407623230		CABLE, DOUBLE ENDED			
6504	K5	1	407667302		CABLE ASSEMBLY, COMPUTER			
6505	K6	1	407602572		CABLE ASSEMBLY, INTERFACE/CROSSOVER			
6506	K7	1	407667310		CABLE ASSEMBLY, COMPUTER			
6507	K8	1	407667328		CABLE ASSEMBLY, COMPUTER			
6508	K9	1	407667336		CABLE ASSEMBLY, COMPUTER			
6509	K10	1	407667344		CABLE ASSEMBLY, COMPUTER			
6510	K11	1	407667351		CABLE ASSEMBLY, COMPUTER			
6511	K12	1	407667369		CABLE ASSEMBLY, COMPUTER			
6512	K13	1	407667377		CABLE ASSEMBLY, COMPUTER			
6513	K14	1	407667385		CABLE ASSEMBLY, COMPUTER			
6514	K15	1	407645084		CABLE ASSEMBLY, INTERFACE			
6515	K16	1	407645092		CABLE ASSEMBLY, INTERFACE			
6516	K17	1	407645100		CABLE ASSEMBLY, INTERFACE			
6517	K18	1	407645118		CABLE ASSEMBLY, INTERFACE			
6518	K19	1	407645126		CABLE ASSEMBLY, INTERFACE			
6519	K20	1	407645134		CABLE ASSEMBLY, INTERFACE			

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

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TABLE SP

RECOMMENDED SPARES (VCDX APPLICATIONS)			
LINE	GROUP NO	QUAN	DESCRIPTION
10	1B,501 1D,537 1E	1	COMPUTER, WORK STATION
20	200,535	1	CIRCUIT PACK, SER/PAR SBUS* REQUIRED IF GROUP 4 WITHOUT 4A IS ORDERED
25	200,535	2	CIRCUIT PACK, SER/PAR SBUS* REQUIRED IF GROUP 4 AND 4A ARE ORDERED
30	201,536	1	CIRCUIT PACK, HSI SBUS* REQUIRED IF GROUP 15A IS ORDERED
40	3,502, 3C,538 3D,3E	1	4MM DAT TAPE UNIT
50	20A,516 20B,539 20C,20D	1	HARD DISK
60	35	1	TWO 32MB MEMORY EXPANSION

*= SEE MANUFACTURING NOTE 12 AND ENGINEERING NOTE 65.

TABLE D4

TABLE D4 - FUNCTION ITEM/FUNCTIONAL OBJECT/ORDER CODE MAPPING				
FUNCTIONAL ITEM	NOTE	DESCRIPTION	QTY	ORDER CODE
AWADDHD	157	EXTERNAL 1.05 GBYTE HARDDISK	1	406878132
AWADDHDA	162	EXTERNAL 2.1 GBYTE HARDDISK	1	407186279
AWBASICA	152	ADMIN WORKSTATION/SPARC-IPX	1	406953489
AWBASICB	162	ADMIN WORKSTATION/SPARC 5	1	407186246
AWDAT	152	DIGITAL AUDIO TAPE UNIT	1	407054865
AWETHN	152	ETHERNET TRANSCEIVER	1	407293463
AWHIGROPA	154	HIGH RESOLUTION PRINTER AWS	1	406593152
AWHIGROPV	154	HIGH RESOLUTION PRINTER VCDX		

*** CONTINUED ***

** CONTINUED **

TABLE D4 - FUNCTION ITEM/FUNCTIONAL OBJECT/ORDER CODE MAPPING				
FUNCTIONAL ITEM	NOTE	DESCRIPTION	QTY	ORDER CODE
AWHIGROPV		HIGH RESOLUTION PRINTER VCDX	1	406217158
AWHSSI	155	HIGH SPEED SERIAL INTER AWS	1	406878165
AWHSSIA	155	HIGH SPEED SERIAL INTER VCDX	1	407231034
AWMEDROPA	154	MED. RESOLUTION PRINTER AWS	1	406891994
AWMEDROPV	154	MED. RESOLUTION PRINTER VCDX	1	406753038
AWMTTYA	153	MTTY TERMINAL FOR AWS	1	406854190
AWMTTYV	153	MTTY TERMINAL FOR VCDX	1	406854182
AWNMADAP	152	ADAPTER, NULL MODEM (B CA)	1	407123702
AWPOWER	152	AC POWER CORD	1	406041707
AWSPC	152	SERIAL PARALLEL CONTROLLER	1	106788847
AWTERM	159	TERMINAL AMBER SCREEN	1	1066854190

TABLE D5

TABLE D5 - OBJECT/HARDWARE TYPE ATTRIBUTES/ORDER CODE MAPPING							
OBJECT:	INTERFACE CHARACTERISTICS	MINIMUM US GENERIC	MINIMUM INTL GENERIC	EXCHANGE TYPE	FEATURE/OPTION	COUNTRY CUSTOMER	ORDER CODE
OBJECT:AWADDHD							406878132
OBJECT:AWADDHDA							407186279 407550938
OBJECT:AWBASICA							406953489
OBJECT:AWBASICB							

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TABLE D5

TABLE D5 - OBJECT/HARDWARE TYPE ATTRIBUTES/ORDER CODE MAPPING						
INTERFACE CHARACTERISTICS	MINIMUM US GENERIC	MINIMUM INTL GENERIC	EXCHANGE TYPE	FEATURE/OPTION	COUNTRY CUSTOMER	ORDER CODE
						407186246 407560234
OBJECT:AWDAT						
						407054865 407560267
OBJECT:AWETHN						
						407293463
OBJECT:AWGEND						
						407141233
OBJECT:AWHIGROPA						
						406593152
OBJECT:AWHIGROPV						
						406217158
OBJECT:AWHSSI						
						406878165
OBJECT:AWHSSIA						
						407231034
OBJECT:AWMEDROPA						
						406891994
OBJECT:AWMEDROPV						
						406753038
OBJECT:AWMODEMHA						
						106788854
OBJECT:AWMODEMHV						
						106597776
OBJECT:AWMODEMSA						
						106788847
OBJECT:AWMODEMSV						
						106597768
OBJECT:AWMTTYA						
						406854190 407552496
OBJECT:AWMTTYV						
						406854182 407552488
OBJECT:AWNADAP						

*** CONTINUED ***

** CONTINUED **

TABLE D5

TABLE D5 - OBJECT/HARDWARE TYPE ATTRIBUTES/ORDER CODE MAPPING						
INTERFACE CHARACTERISTICS	MINIMUM US GENERIC	MINIMUM INTL GENERIC	EXCHANGE TYPE	FEATURE/OPTION	COUNTRY CUSTOMER	ORDER CODE
						407123702
OBJECT:AWPOWER						
						406041707
OBJECT:AWRSADAPA						
						406229880
OBJECT:AWRSADAPV						
						406697722
OBJECT:AWSPC						
						406878173
OBJECT:AWTERM						
						106463300
OBJECT:ETHCOAXT						
						401715362
OBJECT:ETHTERM						
						406645846
OBJECT:KG100						
						ED5D765-12,G4
OBJECT:KG101						
						ED5D765-12,G5
OBJECT:KG102						
						406937235
OBJECT:KG103						
						524305000
OBJECT:KG104						
						406756502
OBJECT:KG105						
						406447045 ED5D764-10,G1
OBJECT:KG106						
						ED5D621-11,G203

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