

ENGINEERING NOTES

***** CONTINUED *****

INFORMATION. THIS DATABASE IS TO CONTAIN RECORDS OF ALL LUCENT TECHNOLOGIES PLUGGABLE APPARATUS SERIAL NUMBERS INSTALLED INTO A GIVEN CABINET ON A PER ORDER BASIS. IF SUBRACK LEVEL SERIALIZATION LABELS ARE ALSO UTILIZED, THE CONTENTS OF A GIVEN SUBRACK (ON A SERIAL NUMBER BASIS) ARE TO BE RECORDED AND CORRELATED WITH THE SUBRACK SERIAL NUMBER. THE DATA IS TO BE MADE AVAILABLE TO LUCENT TECHNOLOGIES ON AN AGREED-TO SCHEDULE FOR UPLOADING INTO THE WARRENTY ELIGIBILITY SYSTEM. INFORMATION ON THE REQUIRED FORMAT FOR THE DATA CAN BE OBTAINED FROM:

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- 81. UNDER NORMAL CIRCUMSTANCES PLASTIC CABLE TIES WILL BE USED TO SECURE INTRA-CABINET CABLING TO THE FRAMEWORK. IF A CUSTOMER HAS SPECIFIC RESTRICTIONS AGAINST THEIR USE, GROUP "AB" SHOULD BE SPECIFIED TO PROVIDE FOR THE USE OF WAXED TWINE CABLE TIES. (SEE NSP 800-612-153 FOR SPECIFIC REQUIREMENTS).
- 82. GROUPS 4 & 5, 420A, 421 & 422 AND 750 & 751 ARE MUTUALLY EXCLUSIVE.
- 83. THIS EQUIPMENT IS NOT REQUIRED FOR CONVERSION SYSTEMS EQUIPPED WITH SWITCH FABRIC AND COMMON SERVICE CIRCUIT CABINETS.
- 84. THE CPU PACKS IN CC0 AND CC1 MUST BOTH BE OF THE SAME TYPE AND SPEED AND MAY NOT BE INTERMIXED. I.E., TWO 166MHZ PACKS AND NOT A 166MHZ IN ONE CPU AND A 200MHZ IN THE OTHER.
- 85. AN ALTERNATE SOURCE FOR THIS ITEM IS A SEAGATE CTD8000R-S, COMCODE 407667435. THIS ITEM MAY BE USED INTERCHANGEABLY WITH THE HEWLETT PACKARD DRIVE SPECIFIED IN THE STOCKLIST.
- 86. POWER CORDS FOR INTERNATIONAL PRINTERS AND TERMINALS ARE TO BE SECURED LOCALLY BY THE "IN COUNTRY" INSTALLATION ORGANIZATION.
- 87. ORDERS FOR ASCI TERMINALS (CONSOLE 0 & 1) OR (LMT, EAI) REQUIRE BOTH GROUPS 761 AND 762 TO BE SPECIFIED.

ENGINEERING NOTES

***** CONTINUED *****

FOR SOFTWARE RELEASE R7 AND LATER

SS7		X.25		
5	7	1	3	EQL 33
4	6	0	2	EQL 29

- 66. WHEN ORDERING CABINET ADDRESS LABELS SPECIFIC STAMPING INFORMATION MUST BE SPECIFIED PER ED1S001-11 TABLE AA PER JOB SPECIFICATIONS.
- 67. THIS EQUIPMENT IS FOR REPLACEMENT OR SPARING PURPOSES ONLY AND IS NOT REQUIRED FOR INITIAL ORDERS.
- 68. FILLER PANELS ARE REQUIRED IN ALL UNUSED CIRCUIT PACK POSITIONS.
- 70. MEDIA UNIT SCSI DISK ADDRESS SWITCHES ARE TO BE SET AS FOLLOWS ON THE UNIT FRONT PANEL FOR MU-0 AND MU-1.

SCSI DISK POSITION	SWITCH SETTING
2	1
3	2
4	3
5	4
6	5
7	6
8	6
9	5
10	4
11	3
12	2
13	1

- 71. THE SECOND MEDIA UNIT (MUL) IS AN OPTIONAL FEATURE FOR CABINETS PROVIDED WITH PROGRAM RELEASE R7 AND LATER. (SEE TABLE D)
- 72. GROUP 200A ALWAYS REQUIRES A LIST SA, SB OR SC IN ADDITION TO IT. THESE LISTS DETERMINE THE MODEL NUMBER OF THE UNIT PROVIDED.
 - GROUP 200A & GROUP SA PROVIDE A MODEL 9322110-02 UNIT
 - GROUP 200A & GROUP SB PROVIDE A MODEL 9322110-03 UNIT
 - GROUP 200A & GROUP SC PROVIDE A MODEL 9322110-04 UNIT
- 73. A CONTINUOUS LOOP MUST BE FORMED THROUGH THE V.35 PADDLE BOARDS, (USED IN X.25 AND SS7 APPLICATIONS), LOCATED ON THE DISTRIBUTION PANELS AND IN THE RCU UNIT. THE LOOP MUST RUN FROM THE HIGHEST EQUIPPED RS232 BOARD THROUGH THE LOWEST TO THE HIGHEST EQUIPPED SS7 BOARD THROUGH THE LOWEST TO THE HIGHEST EQUIPPED X.25 BOARD THROUGH THE LOWEST AND BACK TO THE HIGHEST EQUIPPED RS232 BOARD. IF ANY OF THE BOARDS ARE UNEQUIPPED IN ANY OF THE LOCATIONS THE JUMPER WILL BE RUN FROM THE AUX 0 PORT ON THE LAST EQUIPPED BOARD TO THE AUX 1 PORT ON THE NEXT EQUIPPED BOARD IN THE LOOP EXCEPT THE FIRST AND LAST LEADS IN THE LOOP, (SEE FIGURE J AND TABLES M1 AND M2 FOR SPECIFIC WIRING).
- 74. EQUIPMENT SPARING REQUIREMENTS ARE TO BE DETERMINED FOR EACH INSTALLATION DEPENDANT ON THE LEVEL OF RELIABILITY AND REDUNDANCY DESIRED BY THE CUSTOMER. RECOMMENDED SPARES FOR NORMAL SYSTEM RELIABILITY IS LISTED IN TABLE "RS" ALTHOUGH ANY ITEM IN THIS DRAWING MAY BE SPARED, IN ANY QUANTITY, AT THE CUSTOMERS DISCRETION.
 - SOME COMMON SPARES LISTED IN THIS DRAWING MAY ALSO BE USED IN THE ED1S018-60 ADVANTAGE TELECOM SERVER CABINET (ATSC). IT IS NOT NECESSARY TO STOCK SEPERATE SPARES FOR EACH CABINET.
- 75. THIS REQUIRED HARDWARE COMPONENT IS NOT PROVIDED BY THE INTEGRATOR. IT IS TO BE ORDERED AND SHIPPED SEPARATELY TO THE INSTALLATION SITE.
- 76. THIS REQUIRED HARDWARE COMPONENT IS NOT PROVIDED BY THE INTEGRATOR. IT IS TO BE ORDERED FROM ED1S002-22 OR ED1S018-60 AND IS SHOWN HERE FOR INFORMATION PURPOSES ONLY.
- 77. THE CABINET INTEGRATOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE PRODUCT LABELING PER REQUIREMENTS OUTLINED IN NOTES 30, 31 AND 32. CABINET INTEGRATOR IS ALSO RESPONSIBLE FOR CREATING AND MAINTAINING A DATABASE OF PRODUCT SERIALIZATION AND TRACKING

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ENGINEERING NOTES

***** CONTINUED *****

CONTROL SERVER WITH 8 X.25 & 4 SS7 LINKS	B, B1, E2 F2
CONTROL SERVER WITH 8 X.25 & 8 SS7 LINKS (SCP ONLY)	B, B1, E2, F3

- A2. THE ACSC IS ARRANGED TO SUPPORT A MAXIMUM OF THIRTY-TWO RS232 PORTS (0 TO 31). HOWEVER, PORTS 0 AND 16 ARE UNAVAILABLE FOR USE. RS232 PORTS 1 TO 15 ARE ALWAYS FURNISHED AND ARE EITHER USED BY OR RESERVED FOR THE SYSTEM.
- A3. WHEN AN SCN IS TO BE CONFIGURED WITH A SECOND COMMON SERVICE CIRCUIT CABINET (CSCC1) AND/OR ADDITIONAL RS232 PORTS (17 TO 31) ARE TO BE EQUIPPED. USE TABLE "C" FOR ORDERING REQUIRED COMPONENTS. NOTE THAT PORTS 18, 19, 20 & 21 ARE RESERVED FOR USE BY CSCC1. ALL OTHER PORTS ARE AVAILABLE FOR CUSTOMER USE.

FOR SOFTWARE RELEASE 7.

CONFIGURATION	SEE TABLE
CONTROL SERVER ONLY (SCN ONLY)	B, E2
CONTROL SERVER WITH 4 X.25 LINKS (SCN ONLY)	B, E2, E3
CONTROL SERVER WITH 4 X.25 & 2 SS7 LINKS	B, E2, E3 F4
CONTROL SERVER WITH 4 X.25 & 4 SS7 LINKS	B, E2, E3 F5
CONTROL SERVER WITH 8 X.25 & 4 SS7 LINKS	B, E2, E4 F5
CONTROL SERVER WITH 8 X.25 & 8 SS7 LINKS (SCP ONLY)	B, E2, E4 F6

- B2. THE ACSC IS ARRANGED TO SUPPORT A MAXIMUM OF TWENTY-FOUR RS232 PORTS (0 TO 23). RS232 PORTS 0 TO 15 ARE ALWAYS FURNISHED AND ARE EITHER USED BY OR RESERVED FOR THE SYSTEM.
 - WHEN AN SCN OR SCP IS TO BE CONFIGURED WITH ADDITIONAL RS232 PORTS (16 TO 23) USE TABLE "G2" FOR ORDERING REQUIRED COMPONENTS.
- B3. WHEN AN ACSC IS TO BE CONFIGURED WITH A SECOND MEDIA UNIT (MUL) USE TABLE "D" FOR ORDERING REQUIRED COMPONENTS.

64. ALL SYSTEM AIR FILTERS ARE TO BE REPLACED PRIOR TO TURNOVER TO THE CUSTOMER. ORDER PER GROUP AA.

65. ROCKETPORT RS232 MODULE ASSIGNMENTS VIEWED FROM REAR OF CABINET.

15	7	15	7	15	7
11	01	10	00		
8	0	8	0	8	0

FOR SOFTWARE RELEASE R6 ONLY

V.35 DISTRIBUTION PANELS AS VIEWED FROM THE REAR OF THE CABINET.

X.25		SS7		
1	3	5	7	EQL 33
0	2	4	6	EQL 29

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ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

BT13

DWG SIZE
C2

ISSUE
8

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
FRAMEWORK, ASSEMBLY, WIRING AND COMMON EQUIPMENT ALWAYS REQUIRED TO PROVIDE ONE ADVANTAGE CONTROL SERVER CABINET (ACSC) DA EFF:06/17/97 FE:ED1S015-61,G1	54 66	DA	1	1	ED5D785-70	1A,4					
EQUIPMENT ALWAYS REQUIRED TO PROVIDE CABINET ALARM INDICATOR STRIPS. FRONT, FAN/FUSE - REAR, BLANK FOR EMC APPLICATIONS. DA EFF:06/17/97 FE:ED1S015-61,G40		DA	2	1	ED5D785-70	3B, 3D					
EQUIPMENT ALWAYS REQUIRED TO PROVIDE A CABINET DOOR ASSEMBLY KIT FOR EMC APPLICATIONS. DA EFF:06/17/97 FE:ED1S015-61,G40		DA	3	1	ED5D785-70	2F					
EQUIPMENT REQUIRED TO PROVIDE ONE NON-UNITIZED EMC JUNCTIONING KIT. DA EFF:06/17/97 FE:ED1S015-61,G40	82	DA	4								
EQUIPMENT REQUIRED TO PROVIDE ONE UNITIZED EMC JUNCTIONING KIT. DA EFF:06/17/97 FE/RA:NONE	82	DA	5								
EQUIPMENT, ASSEMBLY AND COMMON APPARATUS TO PROVIDE ONE MEDIA UNIT. (MU0 OR MU1) DA EFF:06/17/97 FE:ED1S015-61,G1	63 71	DA	50								
EQUIPMENT REQUIRED TO PROVIDE ONE STRAPPING COUPLER. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	51								
WIRING ALWAYS REQUIRED FOR THE SECOND MEDIA UNIT (MU1), PROVIDES GROUNDING KIT. DA EFF:06/17/97 FE:ED1S015-61,G30		DA	52								
EQUIPMENT, ASSEMBLY AND COMMON APPARATUS REQUIRED TO PROVIDE ONE SHUTTLE PACK EQUIPPED WITH ONE SCSI DISK UNIT. DA EFF:03/31/97 FE:ED1S015-60,G60A	70	DA	60								
EQUIPMENT, ASSEMBLY AND COMMON APPARATUS REQUIRED TO PROVIDE ONE SHUTTLE PACK EQUIPPED WITH ONE SCSI DISK UNIT. REPL:ED1S015-60,G60 DA EFF:06/17/97 FE:ED1S015-61,G1	70	DA	60A								
APPARATUS REQUIRED TO PROVIDE ONE SCSI SWITCH CIRCUIT PACK. DA EFF:11/08/96 FE:ED1S015-60,G70A		DA	70								
APPARATUS REQUIRED TO PROVIDE ONE SCSI SWITCH CIRCUIT PACK. REPL:ED1S015-60,G70 DA EFF:06/17/97 FE:ED1S015-61,G1		DA	70A								
APPARATUS REQUIRED TO PROVIDE ONE POWER SUPPLY CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	80								
EQUIPMENT REQUIRED TO PROVIDE ONE SCSI TERMINATOR. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	85								
WIRING REQUIRED TO PROVIDE ONE SCSI COMMUNICATION CABLE 0. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	86								

TABLE-A CONTINUED

ED1S015-60

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
WIRING REQUIRED TO PROVIDE ONE SCSI COMMUNICATION CABLE 1. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	87								
EQUIPMENT REQUIRED TO PROVIDE ONE FILLER PANEL FOR THE MEDIA UNIT. DA EFF:06/17/97 FE:ED1S015-61,G1	68	DA	90								
EQUIPMENT REQUIRED TO PROVIDE ONE SCSI BUS CABLE, SWITCH 0 OR 1. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	100								
EQUIPMENT REQUIRED TO PROVIDE PLENUM PANELS IF A SECOND MEDIA UNIT (MU1) IS NOT SPECIFIED. DA EFF:06/17/97 FE:ED1S015-61,G1	71	DA	110								
EQUIPMENT, ASSEMBLY AND COMMON APPARATUS TO PROVIDE ONE RCC CONTROL UNIT. (RCU) DA EFF:08/09/96 FE:ED1S015-60,L200A		DA	200								
EQUIPMENT, ASSEMBLY AND COMMON APPARATUS TO PROVIDE ONE RCC CONTROL UNIT. (RCU) REPL:ED1S015-60,L200 DA EFF:06/17/97 FE:ED1S015-61,G1	72	DA	200A								
APPARATUS REQUIRED TO PROVIDE ONE WATCH DOG CIRCUIT PACK. DA EFF:05/01/96 FE:ED1S015-60,G210A		DA	210								
APPARATUS REQUIRED TO PROVIDE ONE WATCH DOG CIRCUIT PACK. REPL:ED1S015-60,G210 DA EFF:10/21/96 FE:ED1S015-60,G210B		DA	210A								
APPARATUS REQUIRED TO PROVIDE ONE WATCH DOG CIRCUIT PACK. REPL:ED1S015-60,G210A DA EFF:06/17/97 FE:ED1S015-61,G1		DA	210B								
APPARATUS REQUIRED TO PROVIDE ONE POWER DOG CIRCUIT PACK. DA EFF:05/01/96 FE:ED1S015-60,G220A		DA	220								
APPARATUS REQUIRED TO PROVIDE ONE POWER DOG CIRCUIT PACK. REPL:ED1S015-60,G220 DA EFF:08/09/96 FE:ED1S015-60,G220B		DA	220A								
APPARATUS REQUIRED TO PROVIDE ONE POWER DOG CIRCUIT PACK. REPL:ED1S015-60,G220A DA EFF:06/17/97 FE:ED1S015-61,G1		DA	220B								

TABLE-A CONTINUED

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BT13

ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE
C2

ISSUE
8

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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 ONE A-B SWITCH CIRCUIT PACK E/W ONE MEZZANENE MODULE. DA EFF:05/01/96 FE:ED1S015-60,G230A		DA	230								
APPARATUS REQUIRED TO PROVIDE ONE PORT SWITCH CIRCUIT PACK E/W ONE MEZZANENE MODULE. REPL:ED1S015-60,G230 DA EFF:10/21/96 FE:ED1S015-60,G230B		DA	230A								
APPARATUS REQUIRED TO PROVIDE ONE PORT SWITCH CIRCUIT PACK E/W ONE MEZZANENE MODULE. REPL:ED1S015-60,G230A DA EFF:06/17/97 FE:ED1S015-61,G1		DA	230B								
APPARATUS REQUIRED TO PROVIDE ONE RS232 PADDLE BOARD. DA EFF:05/01/96 FE:ED1S015-60,G240A		DA	240								
APPARATUS REQUIRED TO PROVIDE ONE RS232 PADDLE BOARD. REPL:ED1S015-60,G240 DA EFF:06/17/97 FE:ED1S015-61,G1		DA	240A								
APPARATUS REQUIRED TO PROVIDE ONE SS7/X.25 (V.35) PADDLE BOARD. DA EFF:05/01/96 FE:ED1S015-60,G250A		DA	250								
APPARATUS REQUIRED TO PROVIDE ONE SS7/X.25 (V.35) PADDLE BOARD. REPL:ED1S015-60,G250 DA EFF:06/17/97 FE:ED1S015-61,G1		DA	250A								
EQUIPMENT REQUIRED TO PROVIDE ONE BLANK FILLER PLATE FOR THE RCC UNIT. DA EFF:06/17/97 FE:ED1S015-61,G1	68	DA	260								
EQUIPMENT, ASSEMBLY, WIRING AND COMMON APPARATUS FOR ONE MODULAR FUSE FILTER UNIT. (MFFU) DA EFF:06/17/97 FE:ED1S015-61,G1		DA	300	1	J5D003FJ-1	157, CH, CK, CR, F3					
WIRING AND EQUIPMENT REQUIRED TO PROVIDE POWER FEEDERS AND FUSES. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	310								
EQUIPMENT, ASSEMBLY, WIRING AND COMMON APPARATUS FOR ONE 6 FAN BI-DIRECTIONAL FAN UNIT, E/W THREE FANS BLOWING UP. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	350	1	J5D003FH-2	1,5, D,J, M,N					
EQUIPMENT, ASSEMBLY, WIRING AND COMMON APPARATUS FOR ONE CONTROL COMPUTER UNIT. (CC0 OR CCL) DA EFF:06/17/97 FE:ED1S015-61,G10		DA	400								
APPARATUS REQUIRED TO PROVIDE ONE 150MHZ. PENTIUM CPU CIRCUIT PACK. DA EFF:08/09/96 FE:ED1S015-60,L410A	84	DA	410								
APPARATUS REQUIRED TO PROVIDE ONE 166MHZ. PENTIUM CPU CIRCUIT PACK. REPL:ED1S015-60,L410 DA EFF:01/20/97 FE:ED1S015-60,G410B	84	DA	410A								

TABLE-A CONTINUED

ED1S015-60

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 ONE 200MHZ. PENTIUM CPU CIRCUIT PACK. REPL:ED1S015-60,L410A DA EFF:06/17/97 FE:ED1S015-61,G70	84	DA	410B								
APPARATUS REQUIRED TO PROVIDE A 128MB DRAM FOUR SIMM MODULE (32MB EACH). DA EFF:08/09/96 FE:ED1S015-60,L420A		DA	420								
APPARATUS REQUIRED TO PROVIDE A 128MB DRAM TWO SIMM MODULE. (64MB EACH). REPL:ED1S015-60,L420 DA EFF:06/17/97 FE:ED1S015-61,G351	82	DA	420A								
APPARATUS REQUIRED TO PROVIDE A 256MB DRAM FOUR SIMM MODULE. (64MB EACH). REPL:ED1S015-60,G420 DA EFF:06/17/97 FE:ED1S015-61,G351	82	DA	421								
APPARATUS REQUIRED TO PROVIDE A 512MB DRAM FOUR SIMM MODULE. (128MB EACH). (SCP ONLY) REPL:NONE DA EFF:06/17/97 FE:ED1S015-61,G350	82	DA	422								
APPARATUS REQUIRED TO PROVIDE ONE SCSI HOST ADAPTER CIRCUIT BOARD. DA EFF:06/17/97 FE:ED1S015-61,G22		DA	430								
EQUIPMENT REQUIRED TO PROVIDE ONE 2GB IDE DISK DRIVE. DA EFF:03/31/97 FE:ED1S015-60,G440A		DA	440								
EQUIPMENT REQUIRED TO PROVIDE ONE 2.5GB IDE DISK DRIVE. REPL:ED1S015-60,G440 DA EFF:06/17/97 FE:ED1S015-61,G16		DA	440A								
EQUIPMENT REQUIRED TO PROVIDE ONE 8GB SINGLE ENDED SCSI DAT DRIVE. DA EFF:06/17/97 FE:ED1S015-61,G20	85	DA	450								
APPARATUS REQUIRED TO PROVIDE ONE 10MB ETHERNET CONTROLLER CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G23		DA	500								
APPARATUS REQUIRED TO PROVIDE ONE 100MB ETHERNET CONTROLLER CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G25		DA	505								

TABLE-A CONTINUED

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ADVANCED NETWORK SERVICES
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ADVANTAGE CONTROL SERVER
CABINET

BT13

DWG SIZE C2 ISSUE 8

LUCENT TECHNOLOGIES INC ED1S015-60

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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 ONE RS232 CONTROLLER CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G300		DA	550								
WIRING REQUIRED TO PROVIDE ONE RS232 CONTROLLER CORD. DA EFF:06/17/97 FE:ED1S015-61,G300		DA	551								
EQUIPMENT REQUIRED TO PROVIDE ONE NULL MODEM CONNECTOR. (RELEASE R6 AND EARLIER). DA EFF:06/17/97 FE/RA:NONE		DA	553								
APPARATUS REQUIRED TO PROVIDE ONE RS232 DISTRIBUTION PORT MODULE. DA EFF:06/17/97 FE:ED1S015-61,G300		DA	557								
EQUIPMENT REQUIRED TO PROVIDE ONE RS232 ADAPTER. (DB25 TO RJ45) DA EFF:06/17/97 FE/RA:NONE		DA	558								
WIRING REQUIRED TO PROVIDE ONE RS232 JUMPER CABLE ASSEMBLY. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	559								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE RS232 INTERFACE CABLE. (DISTRIBUTION PANEL (ROCKETPORT) TO RCU PADDLE BOARD). DA EFF:06/17/97 FE:ED1S015-61,G1		DA	560								
APPARATUS REQUIRED TO PROVIDE ONE SS7 (V.35) CONTROLLER CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G200	63	DA	600								
APPARATUS REQUIRED TO PROVIDE ONE X.25 (V.35) CONTROLLER CIRCUIT PACK. DA EFF:06/17/97 FE:ED1S015-61,G250	63	DA	605								
WIRING REQUIRED TO PROVIDE ONE X.25/SS7 (V.35) INTERFACE CABLE. (V.35 PATCH PANEL TO CC0,1). DA EFF:06/17/97 FE:ED1S015-61,G250		DA	610								
WIRING REQUIRED TO PROVIDE ONE V.35 INTERFACE CABLE. (X.25/SS7 (V.35) PATCH PANEL TO X.25 OR SS7 SWITCH IN RCU). (METRAL) DA EFF:06/17/97 FE:ED1S015-61,G250		DA	620								
EQUIPMENT REQUIRED TO PROVIDE ONE CABLE BRACKET ASSEMBLY. (ONE PER CONTROL COMPUTER). DA EFF:06/17/97 FE:ED1S015-61,G20		DA	630								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE POWER DISTRIBUTION CABLE SET. (MFFU TO UNITS) DA EFF:06/17/97 FE:ED1S015-61,G1		DA	650								
WIRING REQUIRED TO PROVIDE ONE POWER DISTRIBUTION SET FOR MEDIA UNIT 1 (MUL). DA EFF:06/17/97 FE:ED1S016-61,G30		DA	655								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE ALARM CABLE SET. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	700								

TABLE-A CONTINUED

ED1S015-60

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
WIRING REQUIRED TO PROVIDE ONE ALARM CABLE SET FOR MEDIA UNIT 1 (MUL). DA EFF:06/17/97 FE:ED1S015-61,G30		DA	705								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE AUXILIARY MULTIPLE CABLE KIT. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	710								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE READ ONLY SERIAL PRINTER. (110VAC, 60HZ) DA EFF:06/17/97 FE:ED1S015-61,G80		DA	750								
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE READ ONLY SERIAL PRINTER. (220VAC, 50HZ). DA EFF:06/17/97 FE:ED1S015-61,G85	86	DA	751								
EQUIPMENT REQUIRED TO PROVIDE ONE MAINTENANCE TERMINAL. (LMT, CONSOLE 0, CONSOLE 1 OR EIA). (RELEASE R6 AND EARLIER) DA EFF:06/17/97 FE/RA:NONE		DA	760								
EQUIPMENT REQUIRED TO PROVIDE ONE ASCII TERMINAL. (CONSOLE 0 & 1 OR LMT & EAI) (RELEASE R7 AND LATER) DA EFF:06/17/97 FE:ED1S015-61,G1	86 87	DA	761								
EQUIPMENT REQUIRED TO PROVIDE ONE COLOR VIDEO DISPLAY. (CONSOLE 0 & 1 OR LMT & EAI) (RELEASE R7 AND LATER) DA EFF:06/17/97 FE:ED1S015-61,G1	76	DA	762								
WIRING REQUIRED TO PROVIDE ONE TERMINAL CABLE. (LMT) DA EFF:08/09/96 FE:ED1S002-22,G8		DA	763								
WIRING REQUIRED TO PROVIDE ONE SPLITTER INPUT CABLE. (CONSOLE 0) OR (CONSOLE 1) DA EFF:08/09/96 FE:ED1S002-22,G6		DA	765								
WIRING REQUIRED TO PROVIDE ONE SPLITTER OUTPUT CABLE. (CONSOLE 0), (CONSOLE 1) DA EFF:08/09/96 FE:ED1S002-22,G7		DA	767								
EQUIPMENT REQUIRED TO PROVIDE ONE ADAPTER CONNECTOR, DB9S TO DB25S. (RELEASE R7 AND LATER) DA EFF:06/17/97 FE/RA:NONE		DA	769								

TABLE-A CONTINUED

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ADVANCED NETWORK SERVICES
SPECIFICATION FOR
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SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE C2 ISSUE 8

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SHEET A5 OF 44

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 SPLITTER. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	770									
EQUIPMENT AND WIRING REQUIRED TO PROVIDE ONE ETHERNET TRANSCEIVER DA EFF:06/17/97 FE/RA:NONE		DA	780									
WIRING REQUIRED TO PROVIDE ONE ETHERNET CABLE EXTENDER. DA EFF:06/17/97 FE/RA:NONE		DA	785									
EQUIPMENT REQUIRED TO PROVIDE ONE ETHERNET "T" CONNECTOR. DA EFF:06/17/97 FE/RA:NONE		DA	790									
WIRING REQUIRED TO PROVIDE ONE ETHERNET JUMPER CABLE. DA EFF:06/17/97 FE/RA:NONE		DA	795									
EQUIPMENT REQUIRED TO PROVIDE ONE ETHERNET TERMINATOR. DA EFF:06/17/97 FE/RA:NONE		DA	800									
WIRING REQUIRED TO PROVIDE ONE ETHERNET BACKBONE CABLE. DA EFF:06/17/97 FE:ED1S015-61,G23		DA	805									
WIRING AND EQUIPMENT REQUIRED TO PROVIDE ONE HEARTBEAT ADAPTER CABLE KIT. DA EFF:08/09/96 FE:ED1S015-60,G810A		DA	810									
WIRING AND EQUIPMENT REQUIRED TO PROVIDE ONE HEARTBEAT CABLE. REPL:ED1S015-60,G810 DA EFF:06/17/97 FE:ED1S015-61,G1		DA	810A									
WIRING REQUIRED TO PROVIDE ONE SENSE CABLE. RCU TO MU. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	820									
WIRING REQUIRED TO PROVIDE ONE V.35, X.25/SS7 OUTPUT CABLE TO MODEMS. DA EFF:08/09/96 FE:ED1S002-22,G50		DA	830									
WIRING REQUIRED TO PROVIDE ONE EMC COMPLIANT V.35, X.25/SS7 OUTPUT CABLE TO MODEMS. REPL:ED1S002-22,G50 DA EFF:06/17/97 FE:ED1S015-61,G90		DA	831									
EQUIPMENT REQUIRED TO PROVIDE ONE ALARM RELAY UNIT. DA EFF:06/17/97 FE:ED1S015-61,G1	83	DA	840	1	J1P158C-2	1,5						
FINAL ASSEMBLY KIT FOR ALARM RELAY UNIT (ARU) AND SPLITTERS. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	845									
EQUIPMENT REQUIRED TO PROVIDE ONE REPLACEMENT AIR FILTER CARTRIDGE FOR THE CONTROL COMPUTER UNIT. (MAIN FRONT FAN). DA EFF:06/17/97 FE/RA:NONE	67	DA	A									
EQUIPMENT REQUIRED TO PROVIDE BLANK TAPE CARTRIDGE FOR SCSI DAT TAPE DRIVE. (5 PER BOX). DA EFF:06/17/97 FE/RA:NONE	67	DA	B									
TABLE-A CONTINUED												

ED1S015-60

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 FRONT FAN FOR CONTROL COMPUTER. DA EFF:06/17/97 FE/RA:NONE	67	DA	C									
EQUIPMENT REQUIRED TO PROVIDE ONE 1.44MB, 3.5 INCH FLOPPY DISK DRIVE FOR CONTROL COMPUTER. DA EFF:06/17/97 FE/RA:NONE	67	DA	D									
EQUIPMENT REQUIRED TO PROVIDE ONE REPLACEMENT AIR FILTER CARTRIDGE FOR THE CONTROL COMPUTER UNIT. (POWER SUPPLY FAN). DA EFF:06/17/97 FE/RA:NONE	67	DA	E									
EQUIPMENT REQUIRED TO PROVIDE ONE 725W POWER MODULE FOR CONTROL COMPUTER. DA EFF:06/17/97 FE/RA:NONE	67	DA	F									
EQUIPMENT REQUIRED TO PROVIDE ONE POWER SUPPLY FAN FOR CONTROL COMPUTER. DA EFF:06/17/97 FE/RA:NONE	67	DA	G									
EQUIPMENT REQUIRED TO PROVIDE ONE FAN UNIT CONTROLLER. DA EFF:08/09/96 FE:ED1S015-60,GM	67	DA	J									
EQUIPMENT REQUIRED TO PROVIDE A REPLACEMENT AIR FILTER FOR MAIN COOLING UNIT. DA EFF:06/17/97 FE/RA:NONE	67	DA	K									
EQUIPMENT REQUIRED TO PROVIDE ONE REPLACEMENT FAN ASSEMBLY FOR MAIN COOLING UNIT. DA EFF:06/17/97 FE/RA:NONE	67	DA	L									
EQUIPMENT REQUIRED TO PROVIDE ONE FAN UNIT CONTROLLER. REPL:ED1S015-60,GJ DA EFF:06/17/97 FE/RA:NONE	67	DA	M									
AIR FILTER PACKAGE ALWAYS REQUIRED FOR NEW INSTALLATIONS. DA EFF:06/17/97 FE:ED1S015-61,GAA	64	DA	AA									
SERVICE CHARGE TO PROVIDE WAXED TWINE CABLE LACING IN PLACE OF PLASTIC CABLE TIES. DA EFF:06/17/97 FE:ED1S015-61,GAB	81	DA	AB									
LABEL REQUIRED IN ADDITION TO LIST 60. DA EFF:06/17/97 FE/RA:NONE		DA	CA									
TABLE-A CONTINUED												

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BT13

ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINETDWG SIZE
C2ISSUE
8

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ED1S015-60

SHEET A6
OF 44

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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
LABEL REQUIRED IN ADDITION TO LIST 70. DA EFF:06/17/97 FE/RA:NONE		DA	CB								
LABEL REQUIRED IN ADDITION TO LIST 80. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	CC								
LABEL REQUIRED IN ADDITION TO LIST 410. DA EFF:06/17/97 FE/RA:NONE		DA	CD								
LABEL REQUIRED IN ADDITION TO LIST 420. DA EFF:06/17/97 FE/RA:NONE		DA	CE								
LABEL REQUIRED IN ADDITION TO LIST 430. DA EFF:06/17/97 FE:ED1S015-61,G22		DA	CF								
LABEL REQUIRED IN ADDITION TO LIST 500. DA EFF:06/17/97 FE:ED1S015-61,G23		DA	CG								
LABEL REQUIRED IN ADDITION TO LIST 550. DA EFF:06/17/97 FE:ED1S015-61,G300		DA	CH								
LABEL REQUIRED IN ADDITION TO LIST 600. DA EFF:06/17/97 FE:ED1S015-61,G200		DA	CJ								
LABEL REQUIRED IN ADDITION TO LIST 605. DA EFF:06/17/97 FE:ED1S015-61,G250		DA	CK								
LABEL REQUIRED IN ADDITION TO GROUP 60A. DA EFF:06/17/97 FE:ED1S015-60,GCQ		DA	CL								
LABEL REQUIRED IN ADDITION TO LIST 70A. DA EFF:06/17/97 FE:ED1S015-61,G1		DA	CM								
LABEL REQUIRED IN ADDITION TO LIST 505. DA EFF:06/17/97 FE:ED1S015-61,G25		DA	CN								
LABEL REQUIRED IN ADDITION TO LIST 410B. DA EFF:06/17/97 FE:ED1S015-61,G70		DA	CP								
LABEL REQUIRED IN ADDITION TO GROUP 60A. REPL:ED1S015-60,GCL DA EFF:06/17/97 FE:ED1S015-61,G1		DA	CQ								
STAMPING REQUIRED FOR ALL SN APPLICATIONS EQUIPPED WITH A SWITCH FABRIC AND COMMON SERVICE CIRCUIT CABINETS OR AN SCP WITH PROGRAM RELEASE R6. DA EFF:06/17/97 FE/RA:NONE	72	DA	SA								
STAMPING REQUIRED FOR ALL SN APPLICATIONS EQUIPPED WITH AN ADVANTAGE TELECOM SERVER CABINET DA EFF:06/17/97 FE/RA:NONE	72	DA	SB								
STAMPING REQUIRED FOR ALL SCP APPLICATIONS WITH PROGRAM RELEASE R7 OR LATER. DA EFF:06/17/97 FE/RA:NONE	72	DA	SC								
END OF TABLE-A											

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BT13	
ADVANCED NETWORK SERVICES SPECIFICATION FOR SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS ADVANTAGE CONTROL SERVER CABINET	
DWG SIZE C2	ISSUE 8
LUCENT TECHNOLOGIES INC	ED1S015-60
SHEET A7 OF 44	

STAMP VERTICAL EQL
FRONT AND REAR

SEE NOTE 22 (TYP)

ED5D785-() CABINET

901249177
LABEL DESIGNATION
(SEE NOTE 17)

[J5D003FJ-1, L157, CH, CK & CR]
(MMFU)

[]
[RCC CONTROL UNIT (RCC)]

[]
[MEDIA UNIT (MU1)]

[]
[MEDIA UNIT (MU0)]

[]
[J5D003FH-2, L1,5,D,E,F,J]
(CU)

[]
[SS7/X.25 PATCH PANEL]

[]
[SS7/X.25 PATCH PANEL]

[]
[]

[]
[CONTROL COMPUTER I (CC1)]

[]
[CONTROL COMPUTER O (CC0)]

[]
[]

63
1524.0
(60.00)
55
1320.8
(52.00)
48
1117.6
(44.00)
40
889.0
(35.00)
33
762.0
(31.00)
29
685.8
(27.00)
24
584.2
(23.00)
19
381.0
(15.00)
11
152.4
(6.00)
00

FRONT VIEW

A

407517184
DISTRIBUTION
MODULES
(SEE NOTE 24)

403644867
SPLITTER

JIP158C-2, L1,5
ALARM RELAY UNIT

847639887
SHELF

508.0
(20.00)

279.4
(11.00)

00

76.05 REF
(29.94)

(REAR VIEW)

REMOVE & REVERSE
THE TWO TOWEL BARS
RECEIVED WITH
CABINET ON THIS SIDE

1828.8 REF
(72.00)

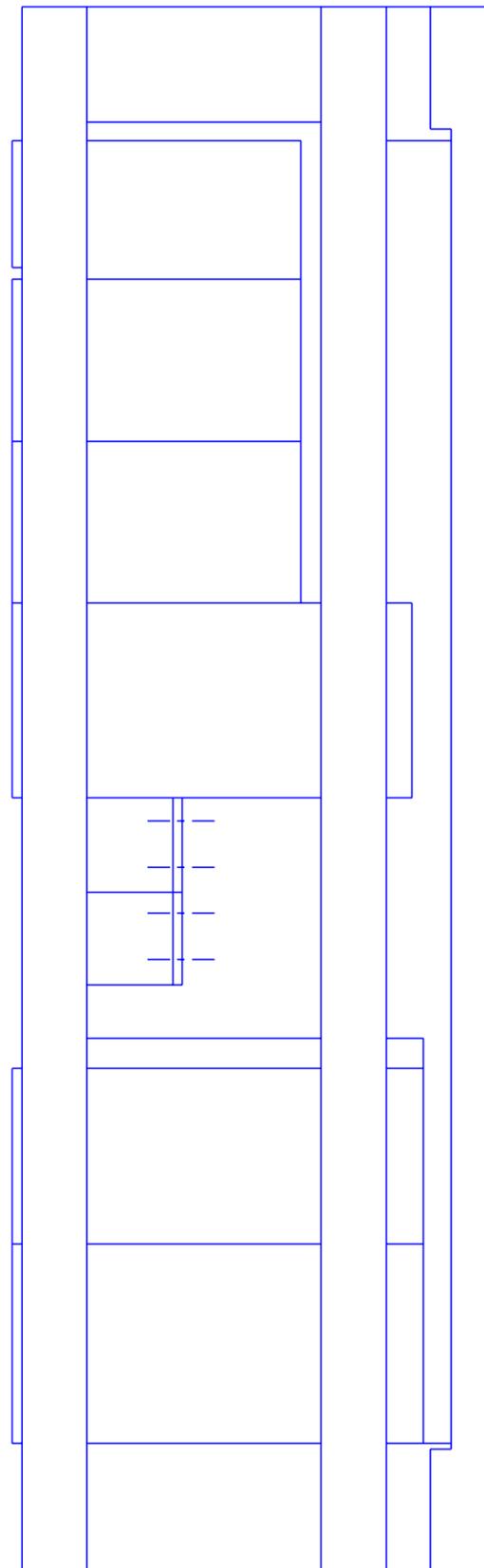
846978104
CABLE BRACKET
ASSEMBLY
(2 REOD)

ED1S015-60

FIG. 1
SHOWN WITHOUT
DOORS & SIDE PANELS
ED5D785-() 2000 CABINET

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	3
LUCENT TECHNOLOGIES INC.	ED1S015-60	SHEET B1

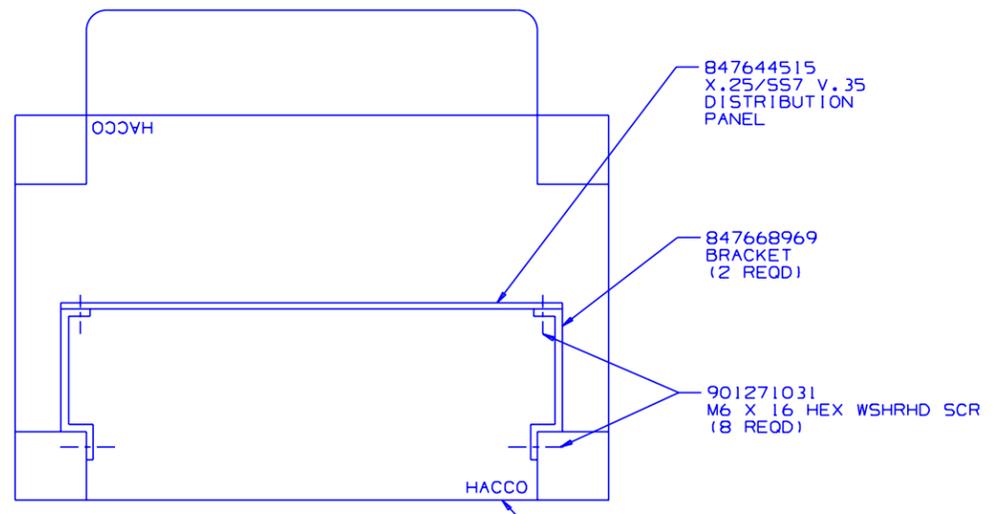
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536.7 (21.128) REF
SIDE VIEW

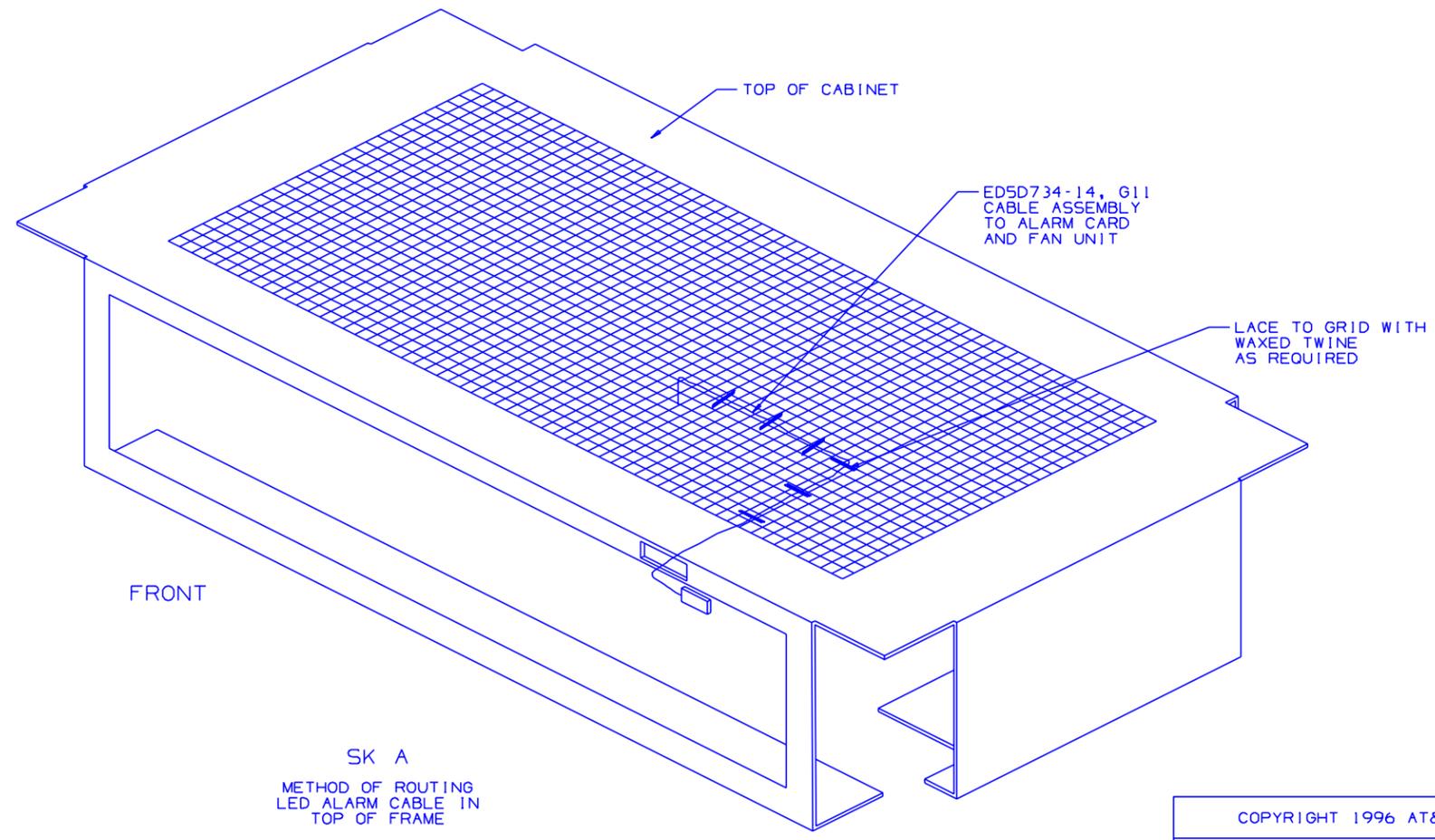
FIG. 2

EDIS015-60



VIEW A-A
METHOD OF MOUNTING
V.35 DISTRIBUTION PANELS
AND FRAME BASE STAMPING

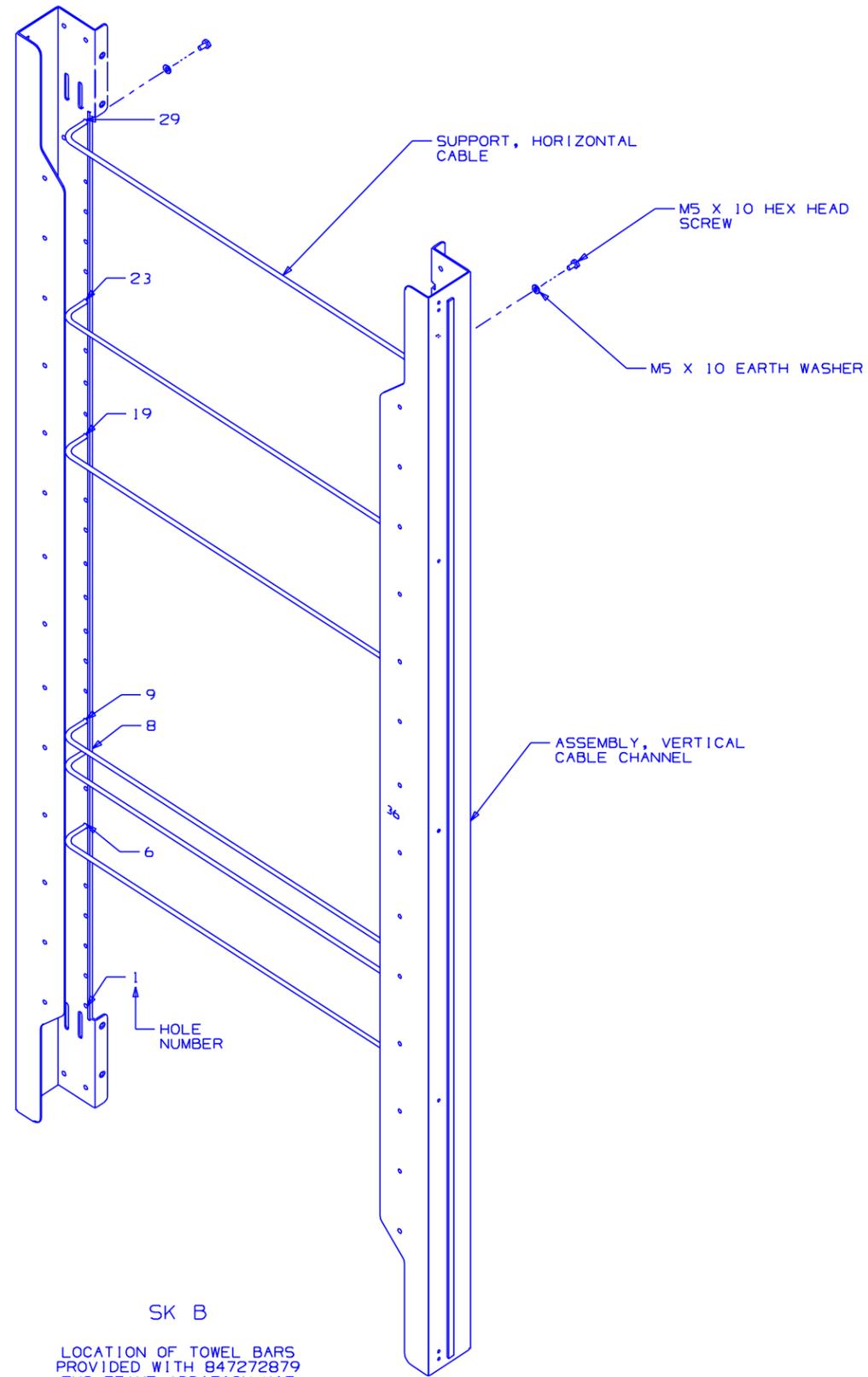
- 847644515
X.25/SS7 V.35
DISTRIBUTION
PANEL
- 847668969
BRACKET
(2 REQD)
- 901271031
M6 X 16 HEX WSHRHD SCR
(8 REQD)
- HACCO
- HACCO
- STAMP 1/8 INCH
CHARACTERS,
BLACK INK
ON FRAME BASE
(2 PLACES)



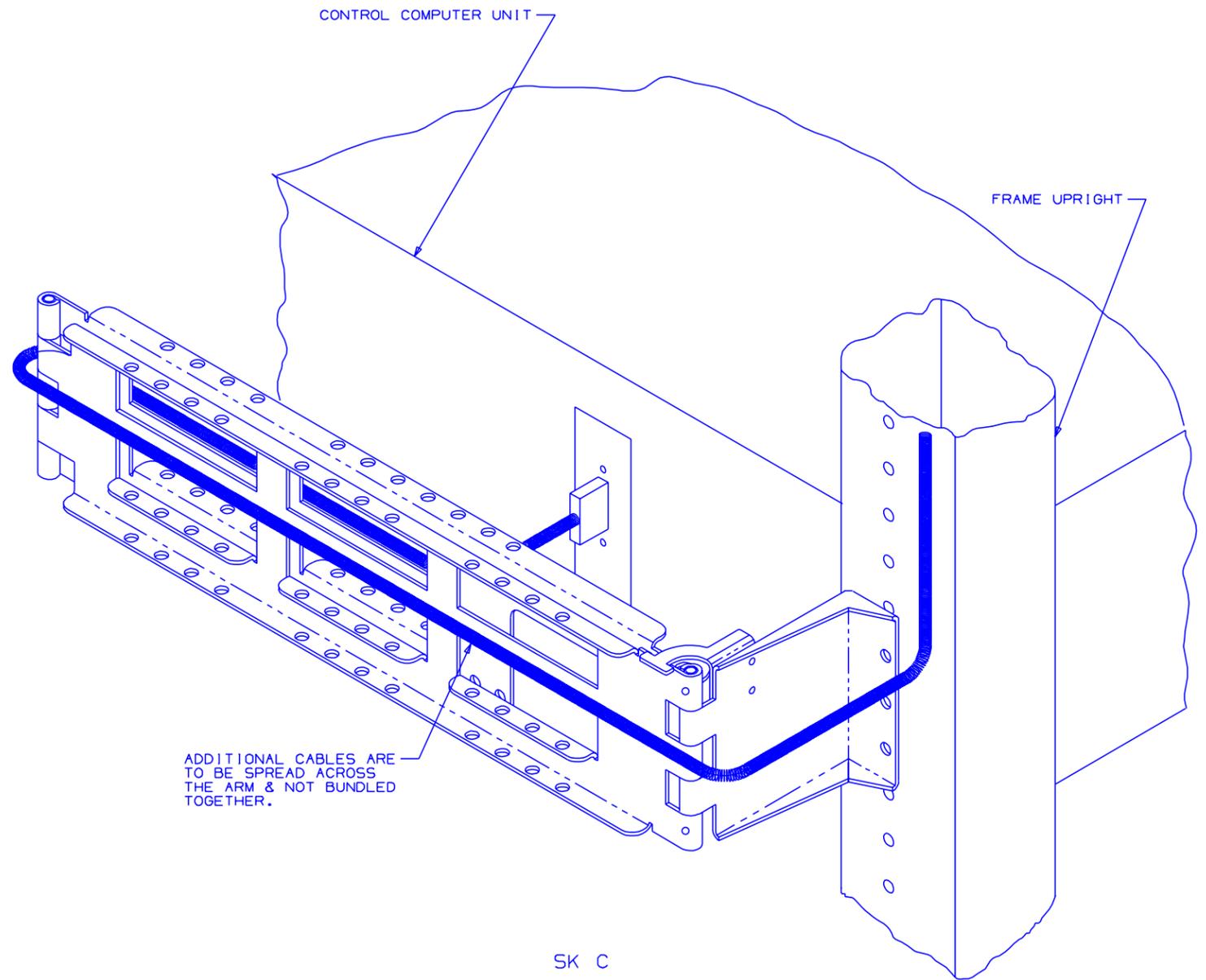
FRONT

SK A
METHOD OF ROUTING
LED ALARM CABLE IN
TOP OF FRAME

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	1
AT&T	EDIS015-60 <small>PRINTED IN U.S.A.</small>	SHEET B2

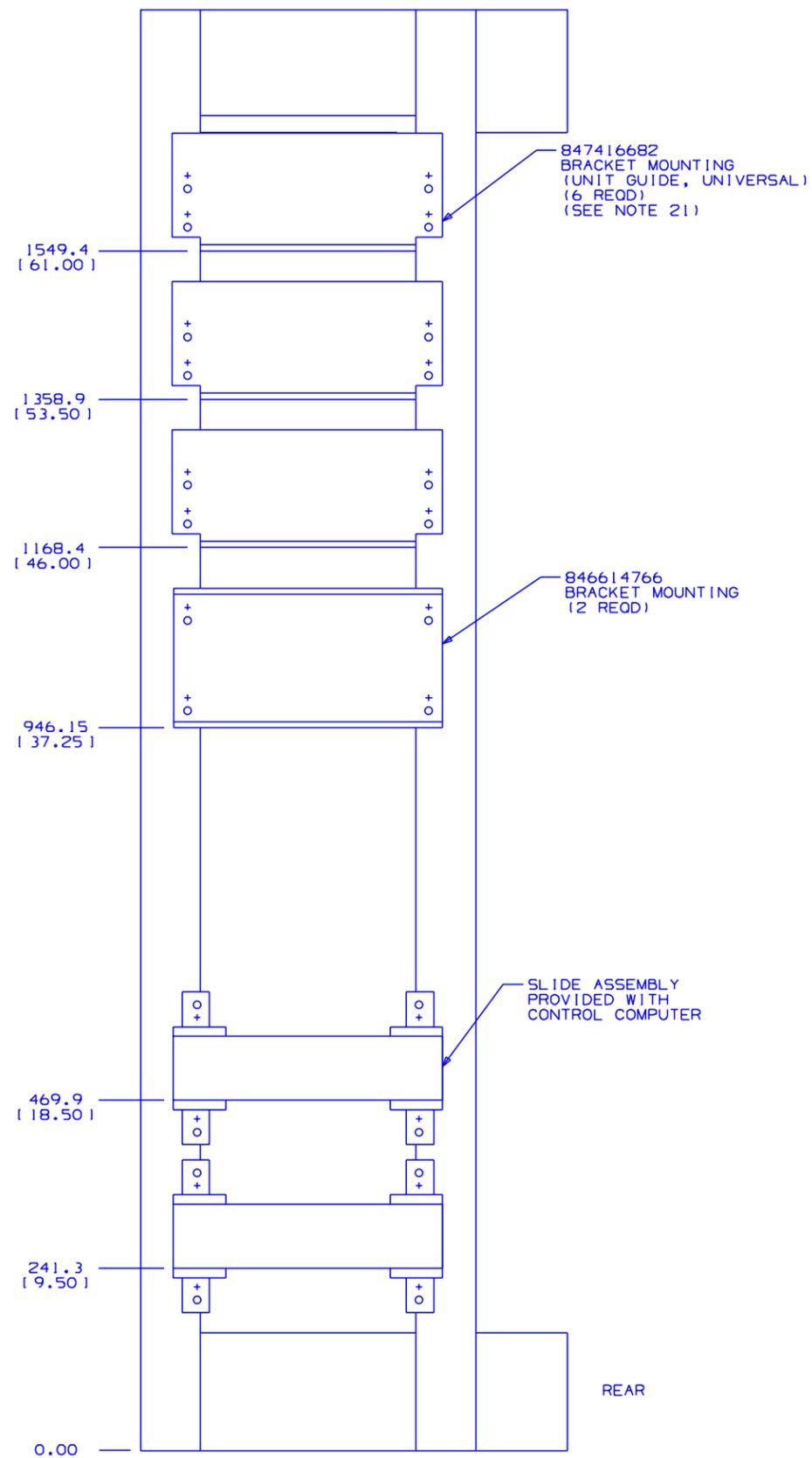


SK B
 LOCATION OF TOWEL BARS
 PROVIDED WITH 847272879
 EMC FRAME ADDITION KIT
 (SEE NOTE 26)



SK C
 METHOD OF RUNNING CABLE
 ON CABLE ARMS TO CONTROLLER
 COMPUTERS

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	3
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LEFT INSIDE VIEW SHOWING LOCATION OF MOUNTING BRACKETS

FIG. 3

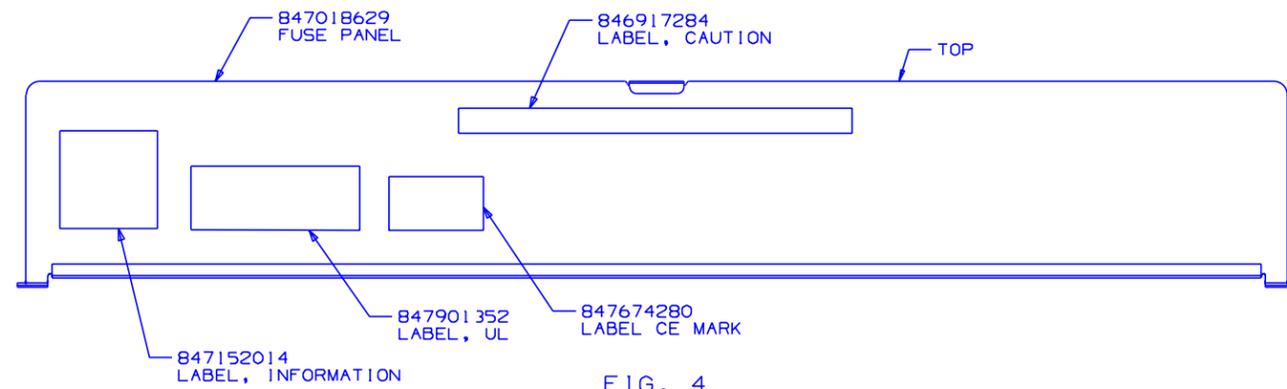
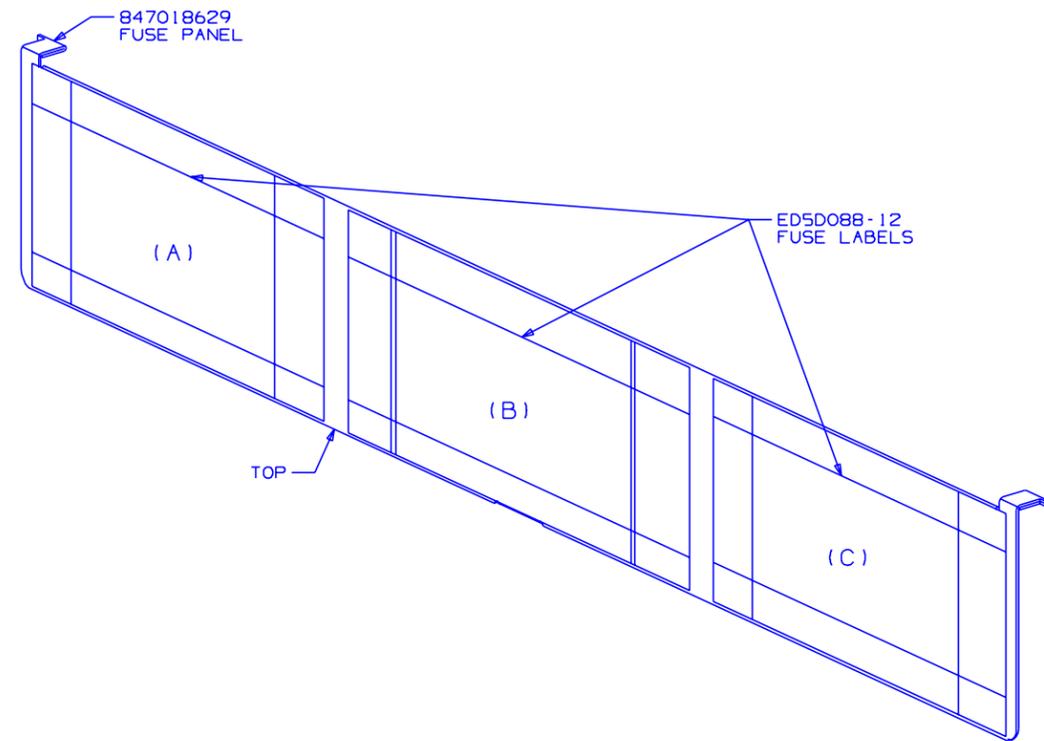
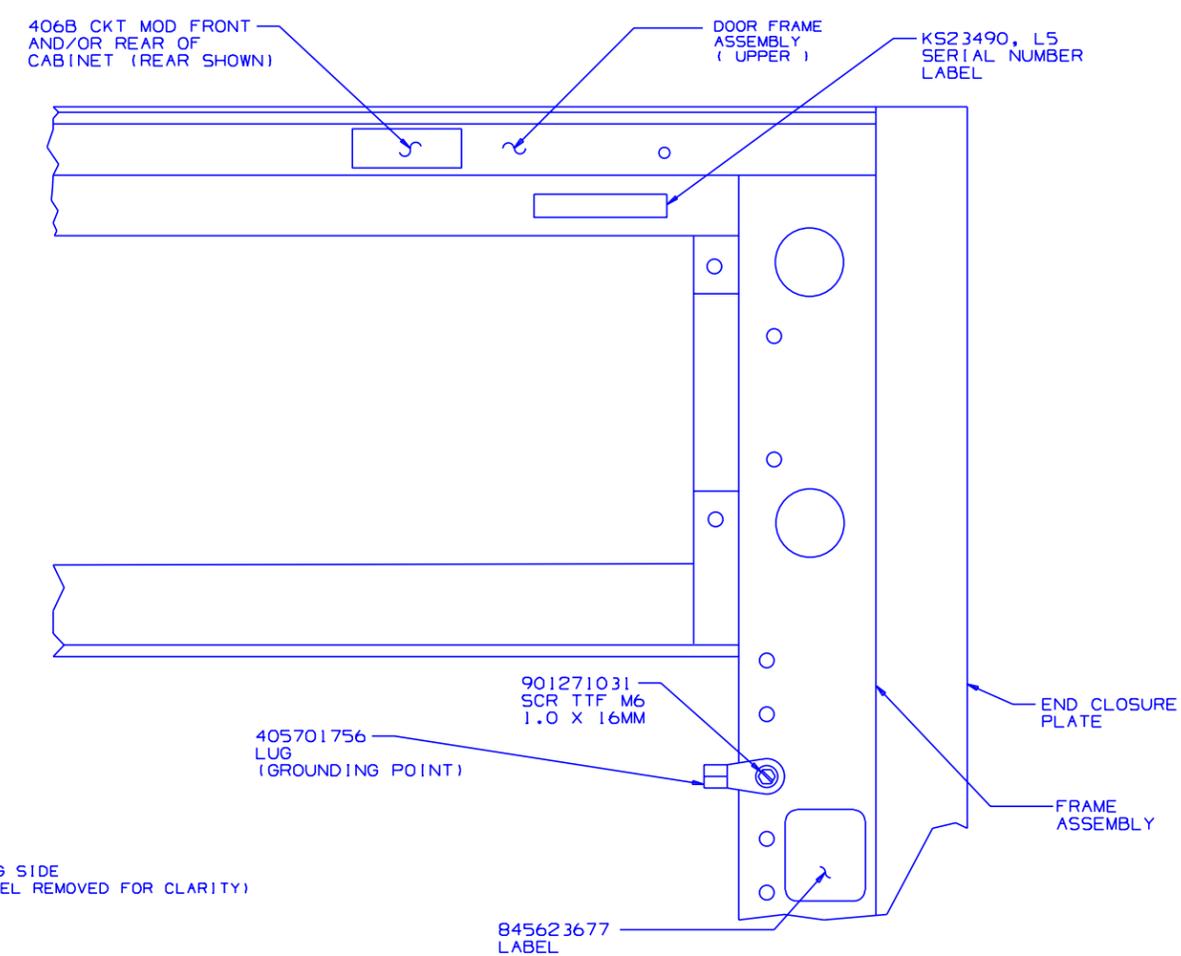
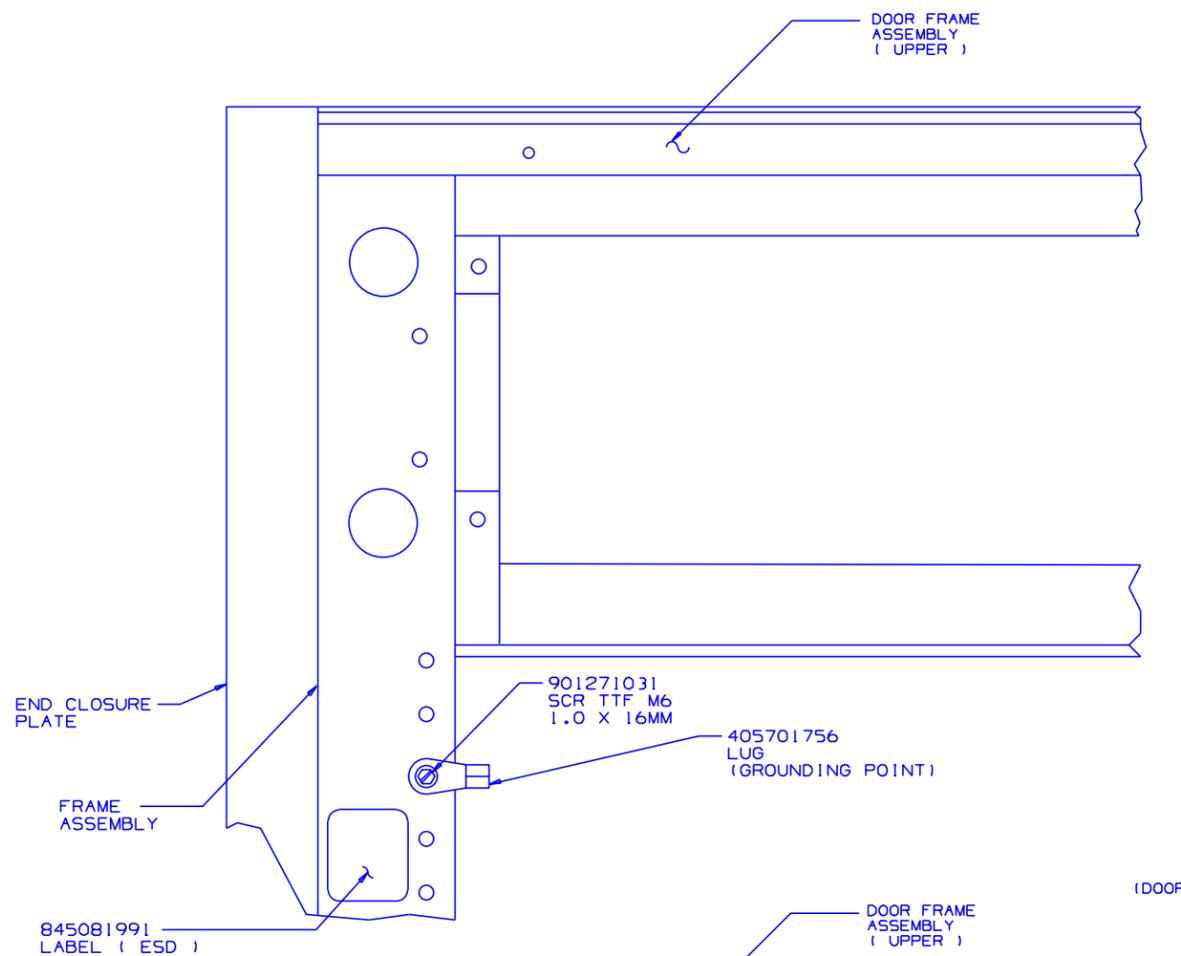


FIG. 4
APPROXIMATE LOCATION OF LABELS ON MFFU FLIP PANEL

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE C2	ISSUE 7
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WIRING SIDE
(DOORS & VERTICAL CHANNEL REMOVED FOR CLARITY)

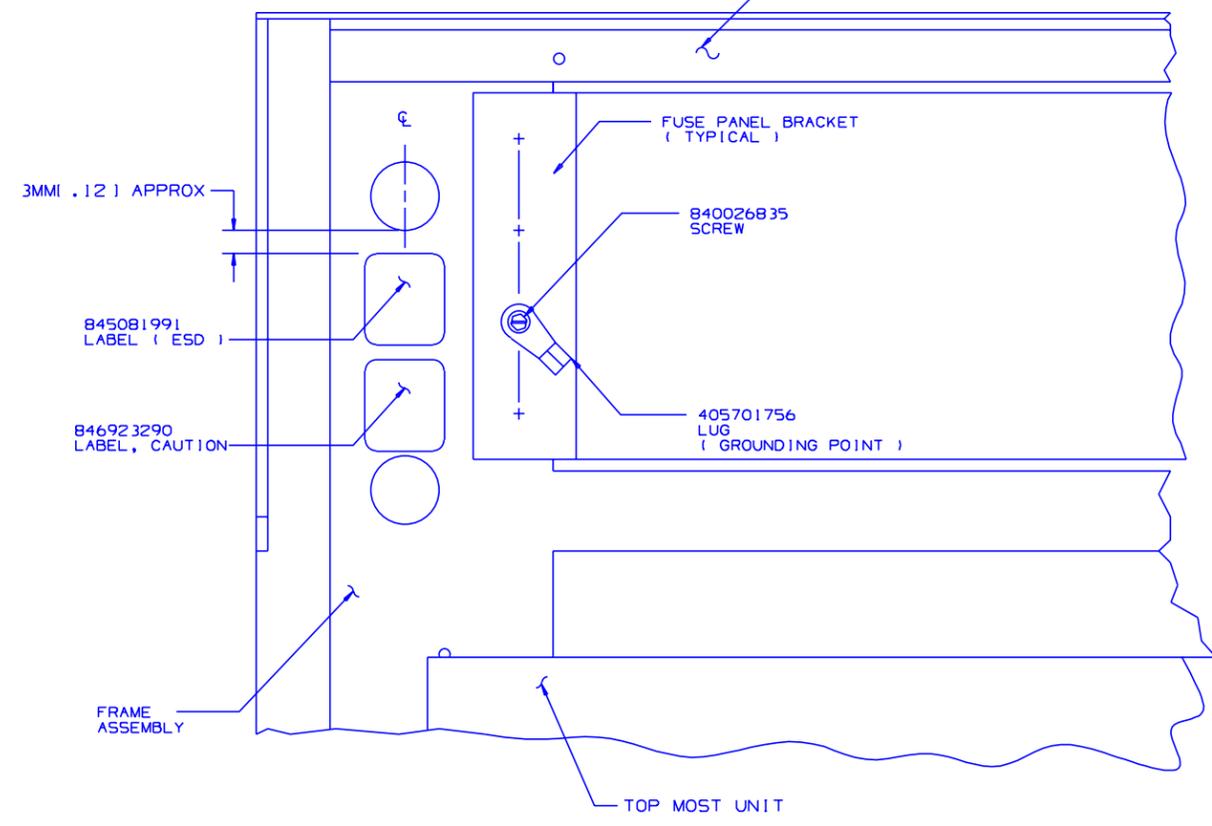
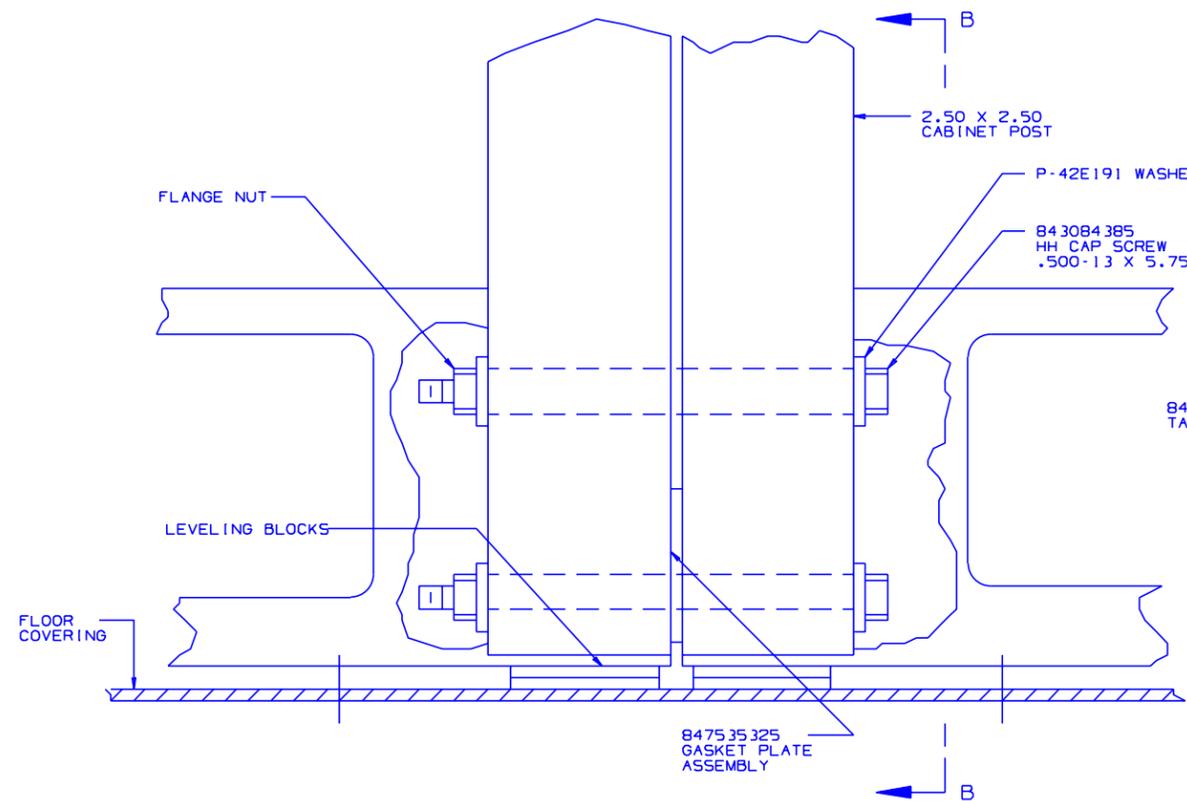
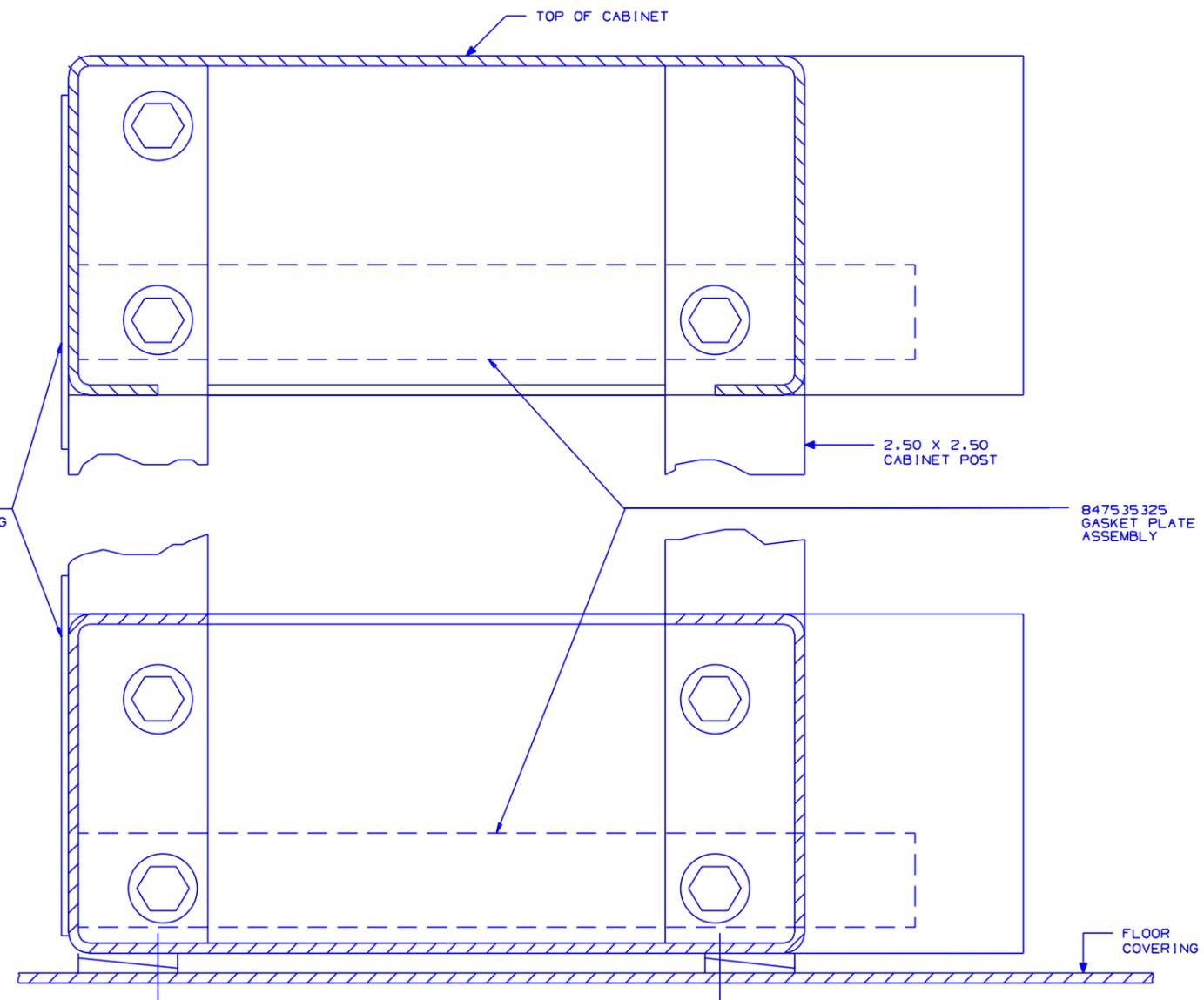


FIG. A
5ESS-2000
CABINET

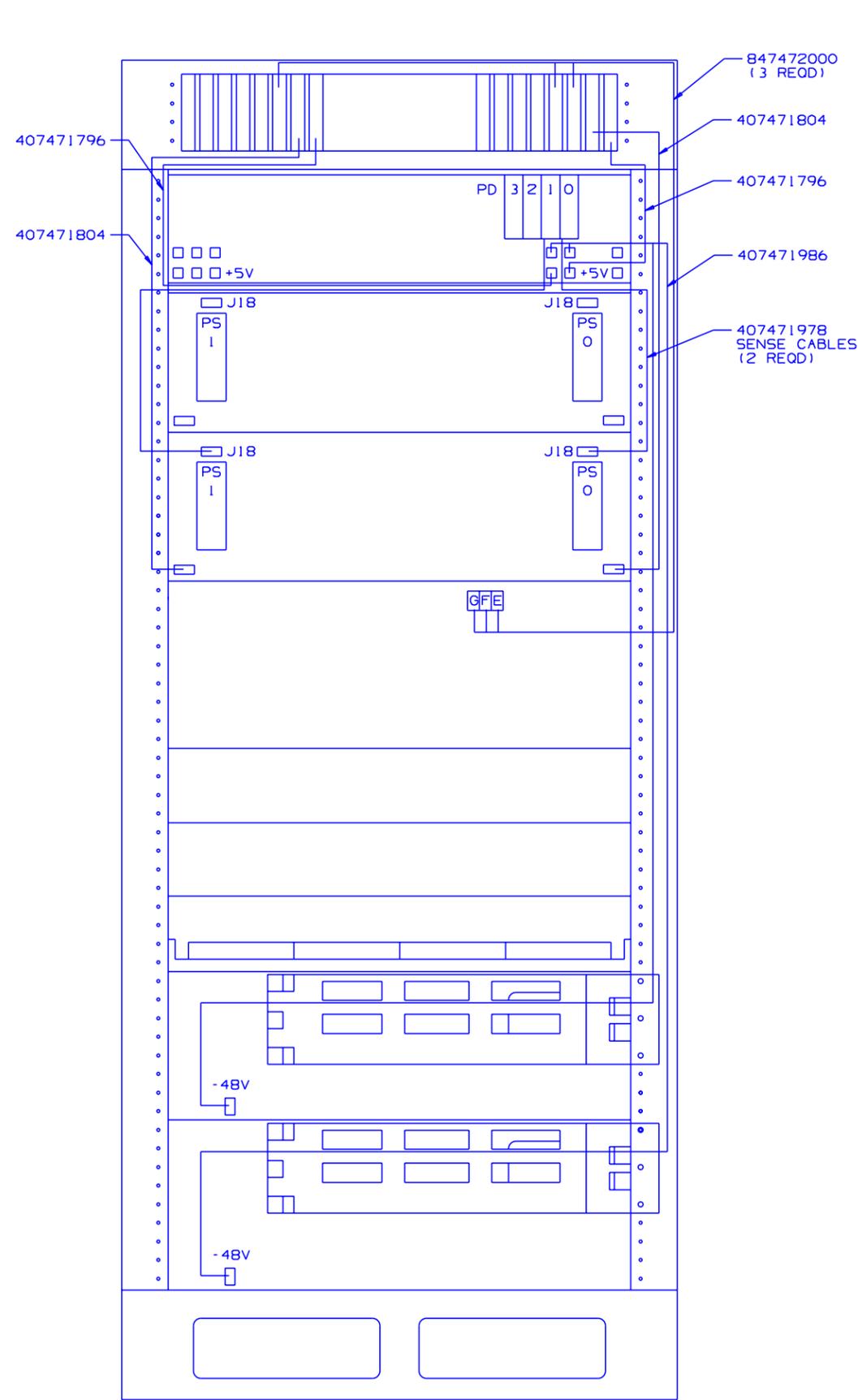
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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	5
LUCENT TECHNOLOGIES INC	EDIS015-60	SHEET B5
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FRONT VIEW
 (DOORS REMOVED)
 METHOD OF JUNCTIONING ONE CABINET TO ANOTHER CABINET
 FIG. B

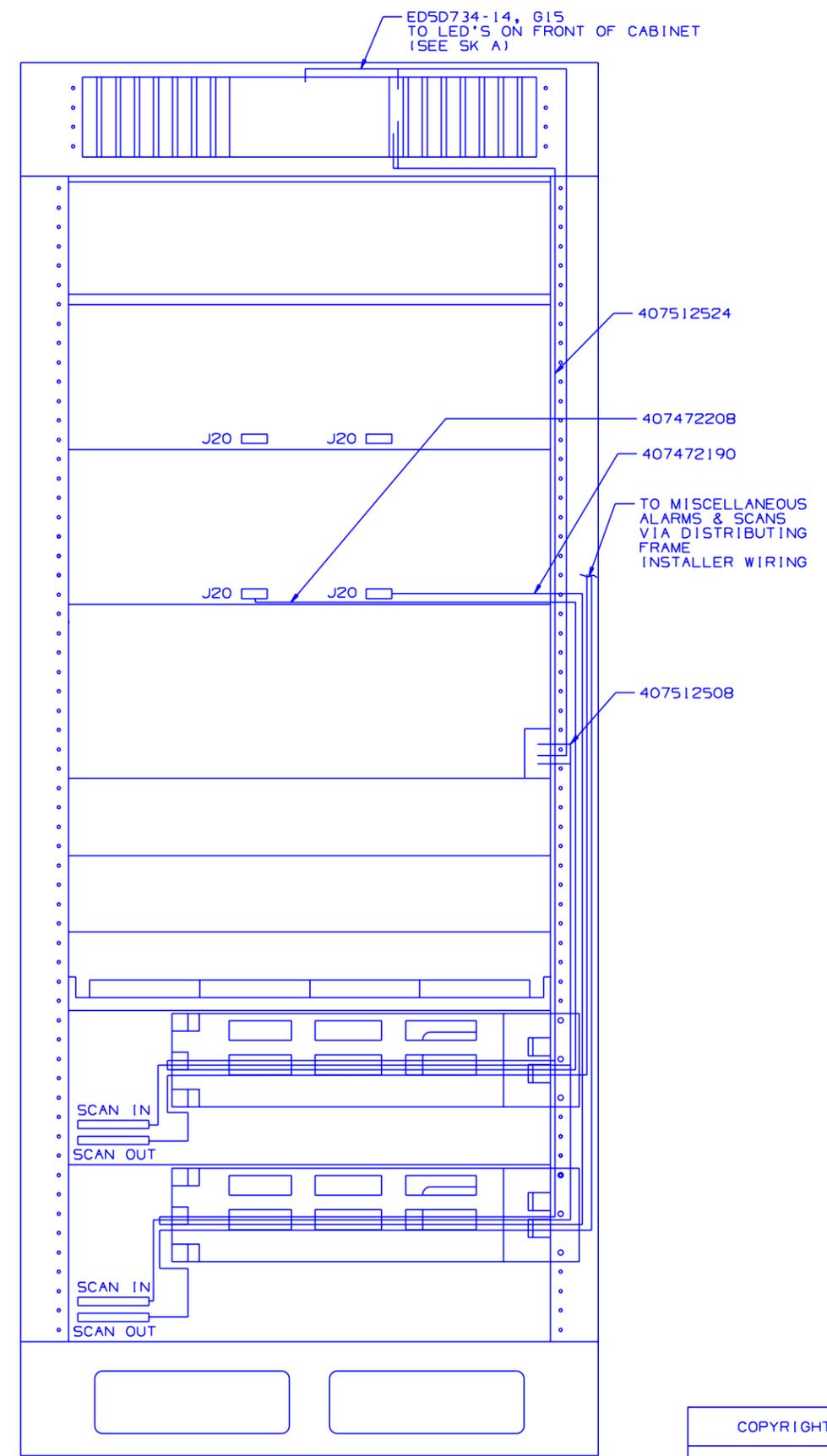


VIEW B-B
 (SEE NOTE 13 & 14)



(REAR VIEW)

FIG. C
48VDC POWER DISTRIBUTION
CABLING KIT 847635406 AND SENSE CABLING
(SEE NOTE 24 TABLE B)



(REAR VIEW)

FIG. D
SCAN & ALARM CABLING
KIT 847635414
(SEE NOTE 24 TABLE B)

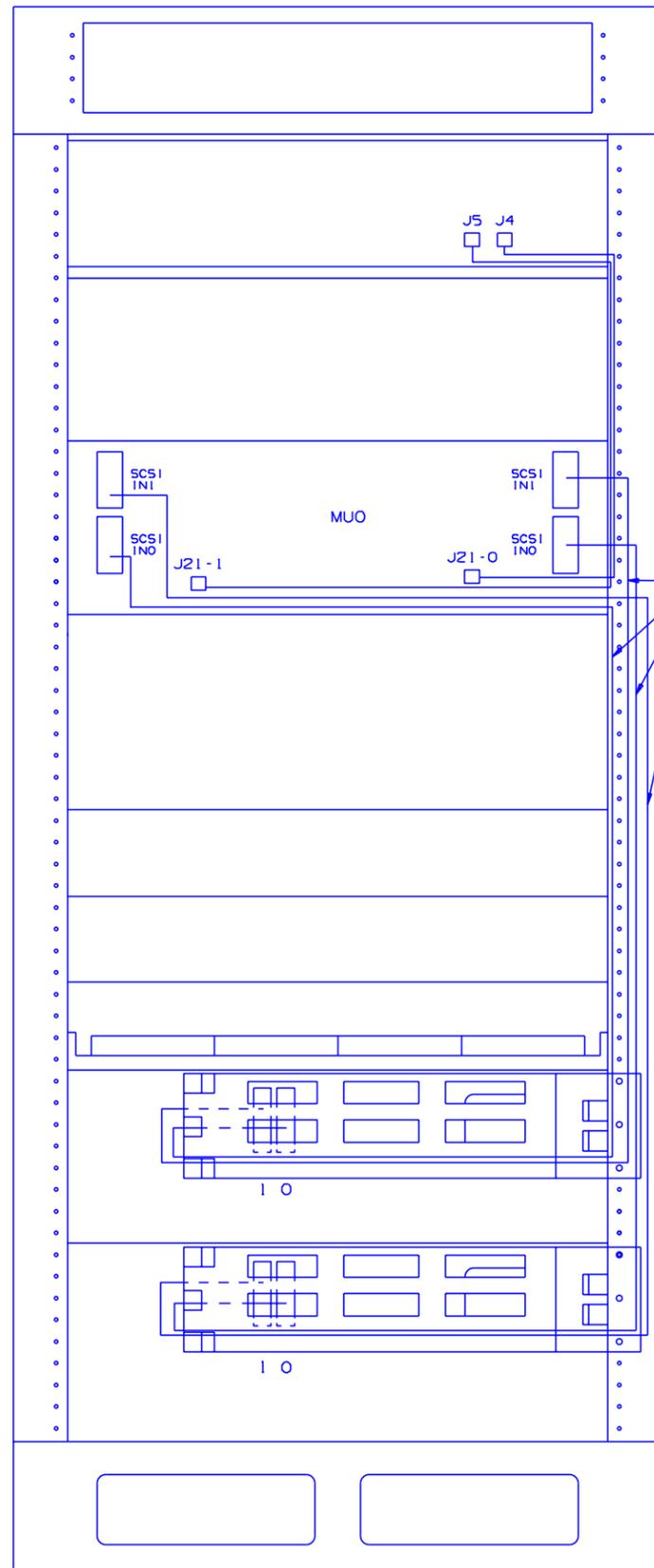
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ADVANTAGE
CONTROL SERVER
CABINET

DWG SIZE C2	ISSUE 3
----------------	------------

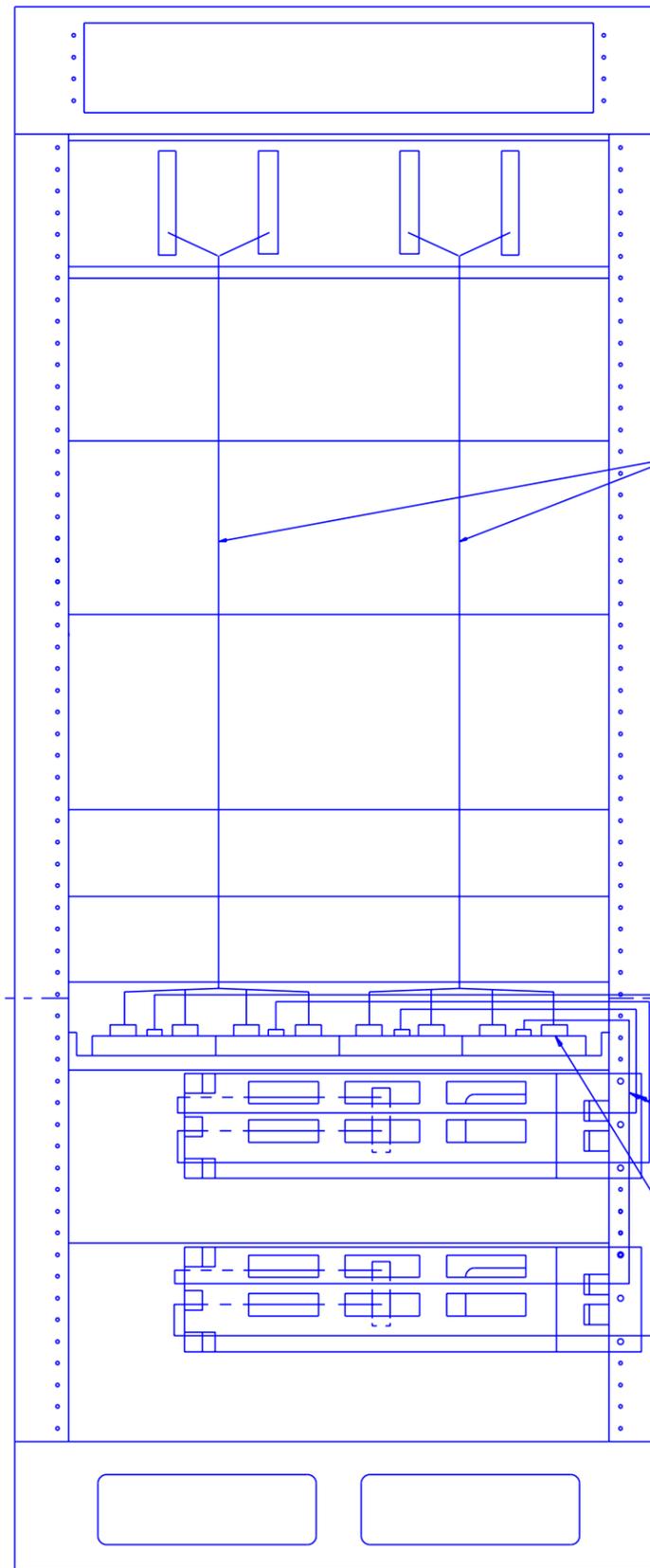
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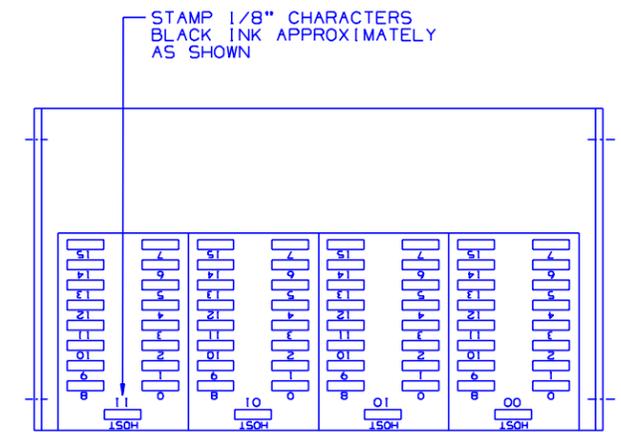


(REAR VIEW)
FIG. E
 SCS1 BUS
 CONTROL CABLES
 (SEE NOTE 24 TABLE B)

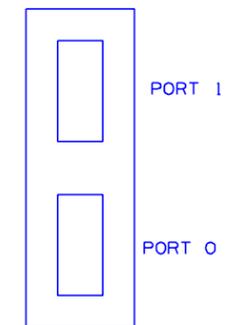
EDISO15-60



(REAR VIEW)
FIG. F
 RS232 BUS CABLING
 (SEE NOTE 24 TABLES B & G)



REAR
VIEW C-C
 LOCATION OF ROCKETPORT
 RS232 DISTRIBUTION MODULES



RS232 INTERFACE CARD
 PORT ASSIGNMENT

407464742 TYP
 (MAX. 64 REQD)

407472067
 (4 REQD)

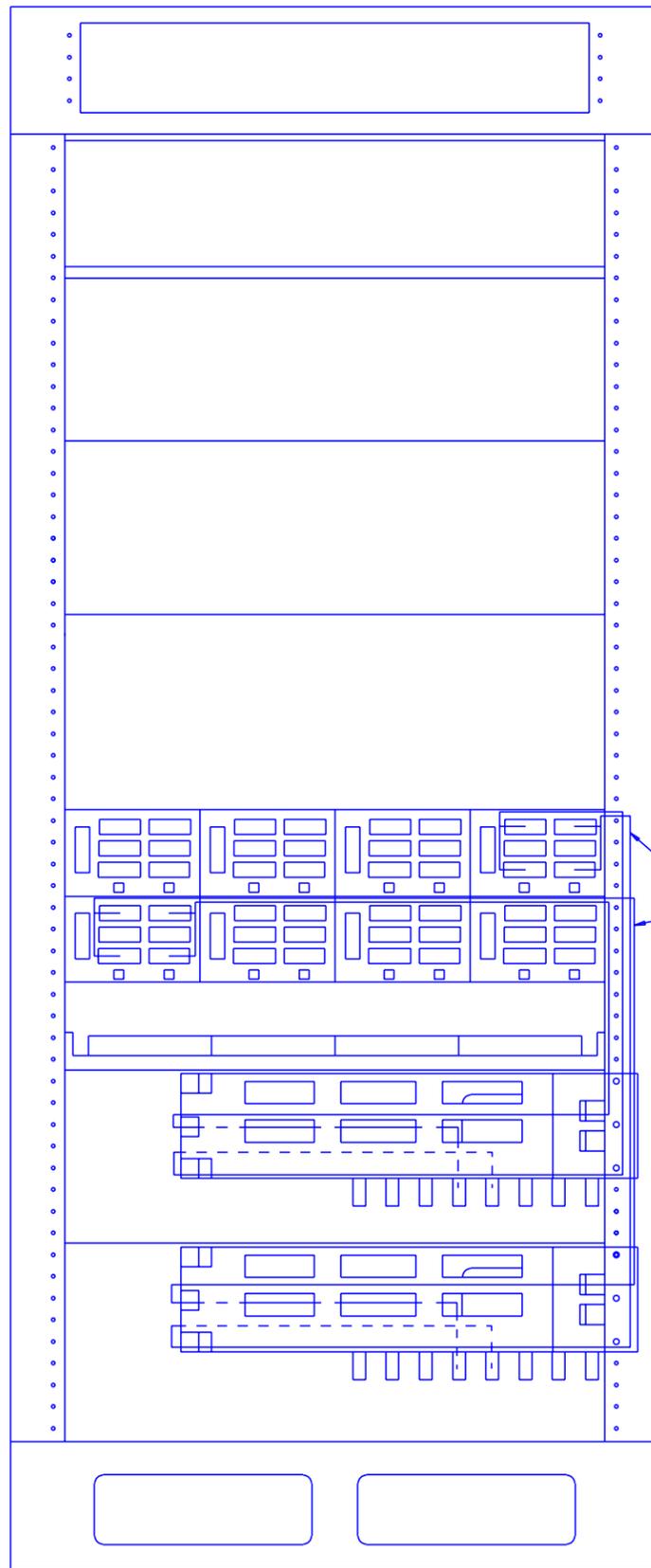
407521624
 (MAX. 4 REQD)

407225614
 ADAPTER

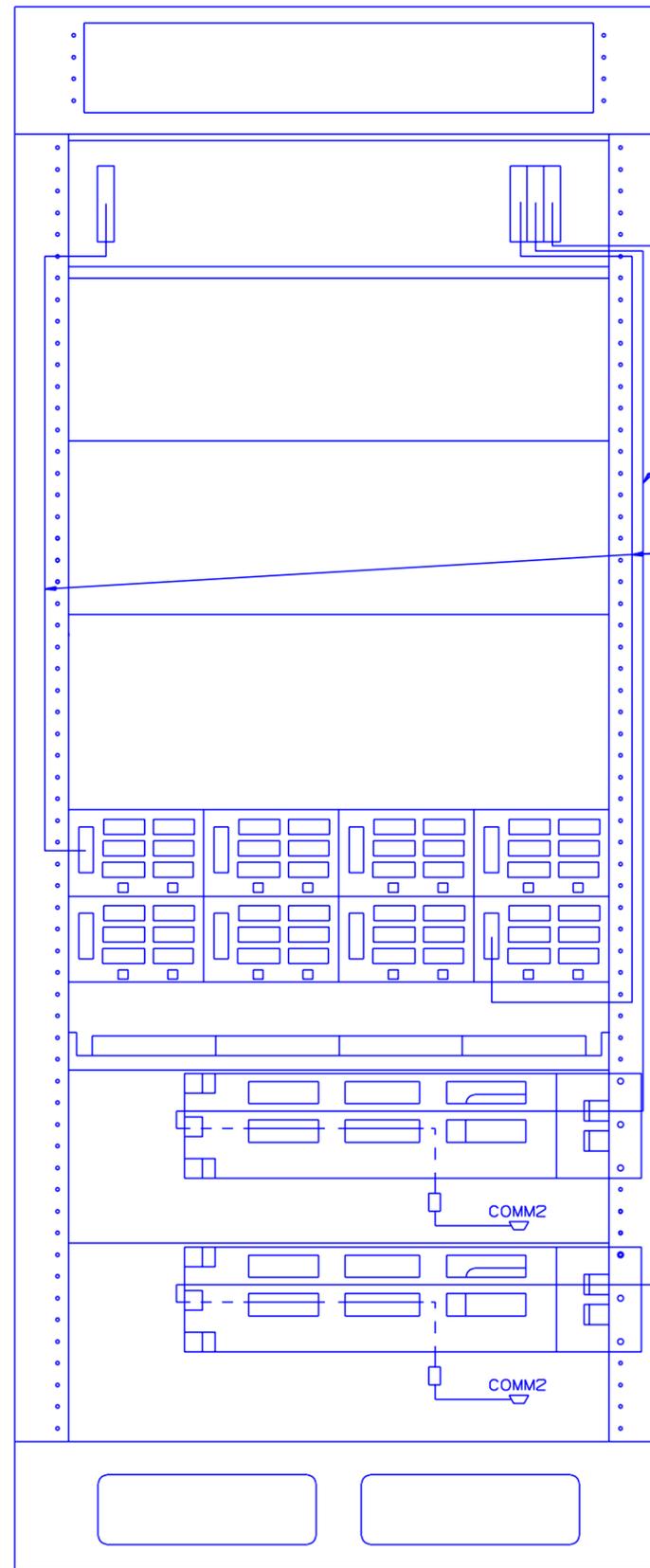
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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	3
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(REAR VIEW)
FIG. G
 TYPICAL X.25 OR SS7 CABLING
 (SEE NOTE 24 TABLES E1,E2,F1,F2 & F3)



(REAR VIEW)
FIG. H
 TYPICAL V.35 CONTROL CABLING AND HEARTBEAT CABLING
 (SEE NOTE 24 TABLES B,E1,E2,F1,F2 & F3)

407627397
 HEARTBEAT
 CABLE KIT

407593474 TYP
 (MAX. 8 REOD)

407472497 TYP
 (MAX. 16 REOD)

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ADVANTAGE
 CONTROL SERVER
 CABINET

DWG SIZE
 C2

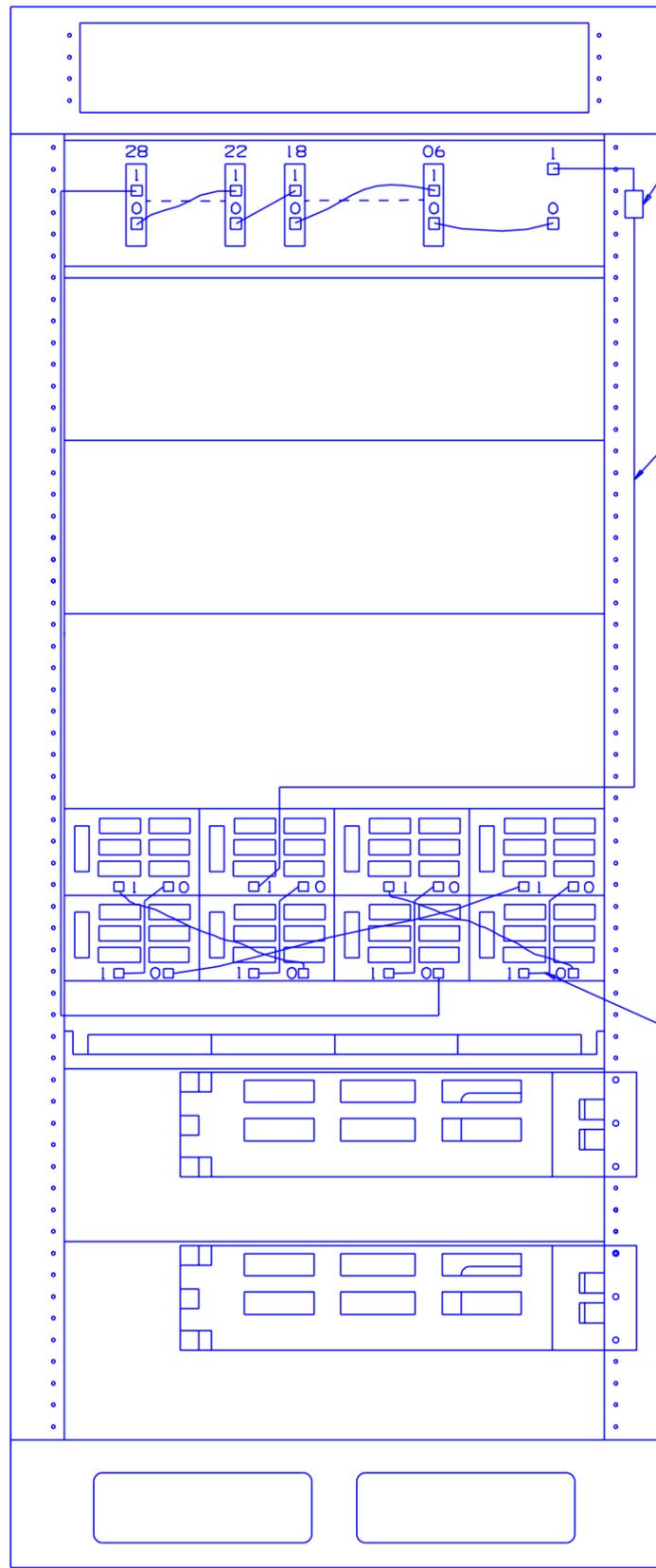
ISSUE
 3

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SHEET
 B9

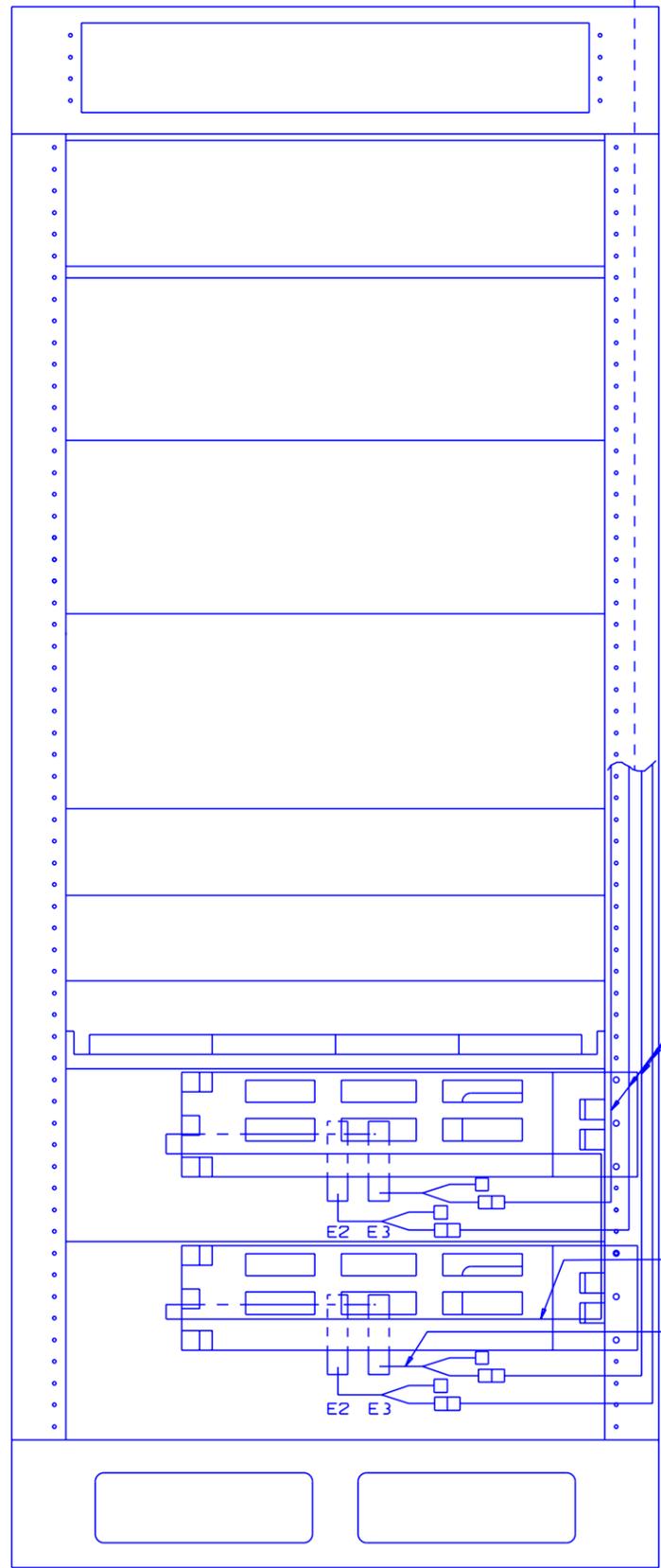
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(REAR VIEW)

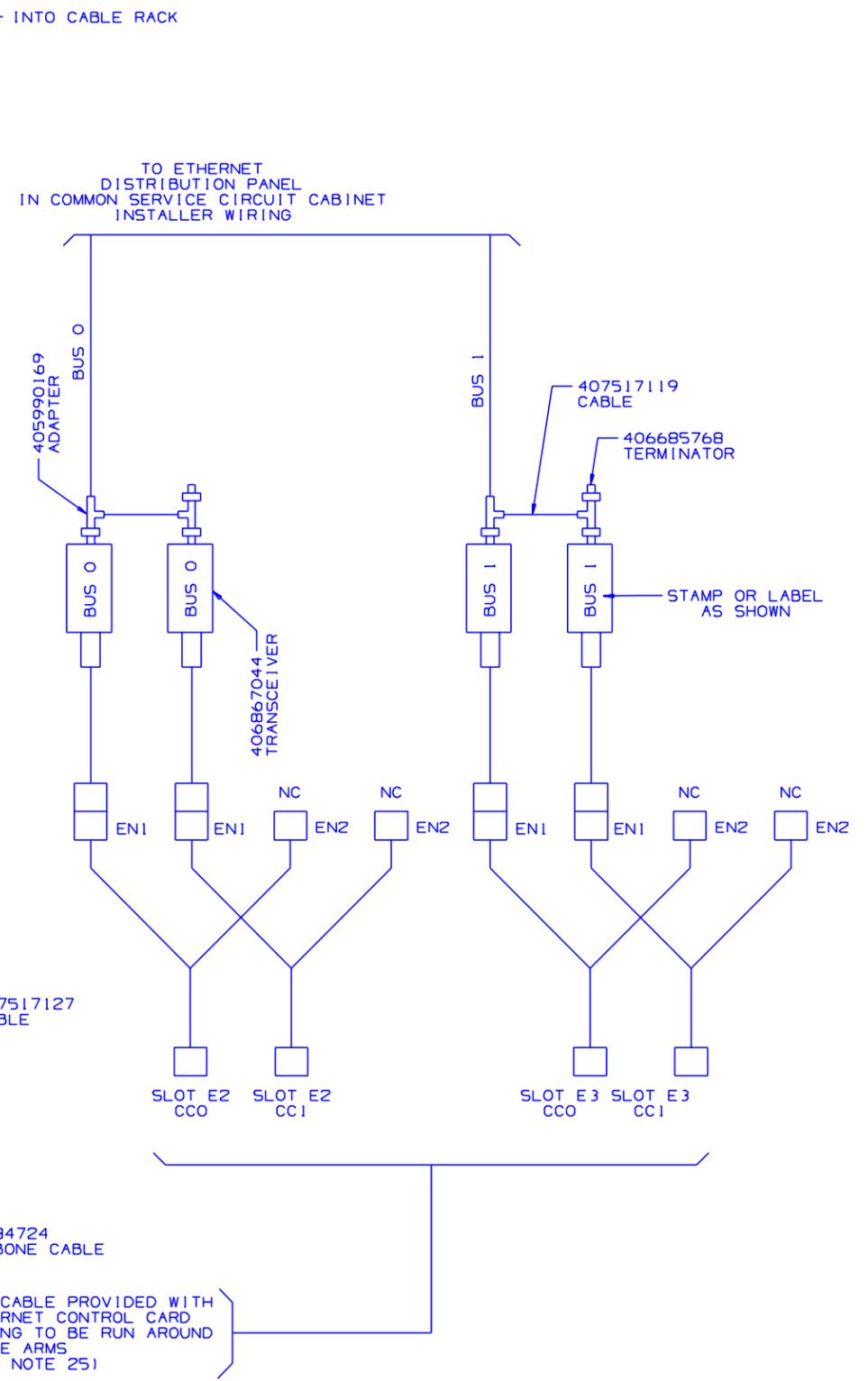
FIG. J
TYPICAL X.25/SS7 JUMPERS
FOR REFERENCE ONLY
(SEE NOTE 24, 73 AND TABLES M1 & M2
FOR ACTUAL WIRING)

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(REAR VIEW)

FIG. K
ETHERNET CABLING
FOR REFERENCE ONLY
(SEE NOTE 24 TABLES B1 & B2 FOR ACTUAL WIRING)



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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE C2	ISSUE 3
	LUCENT TECHNOLOGIES INC. EDISO15-60 <small>PRINTED IN U.S.A.</small>	
		SHEET B10

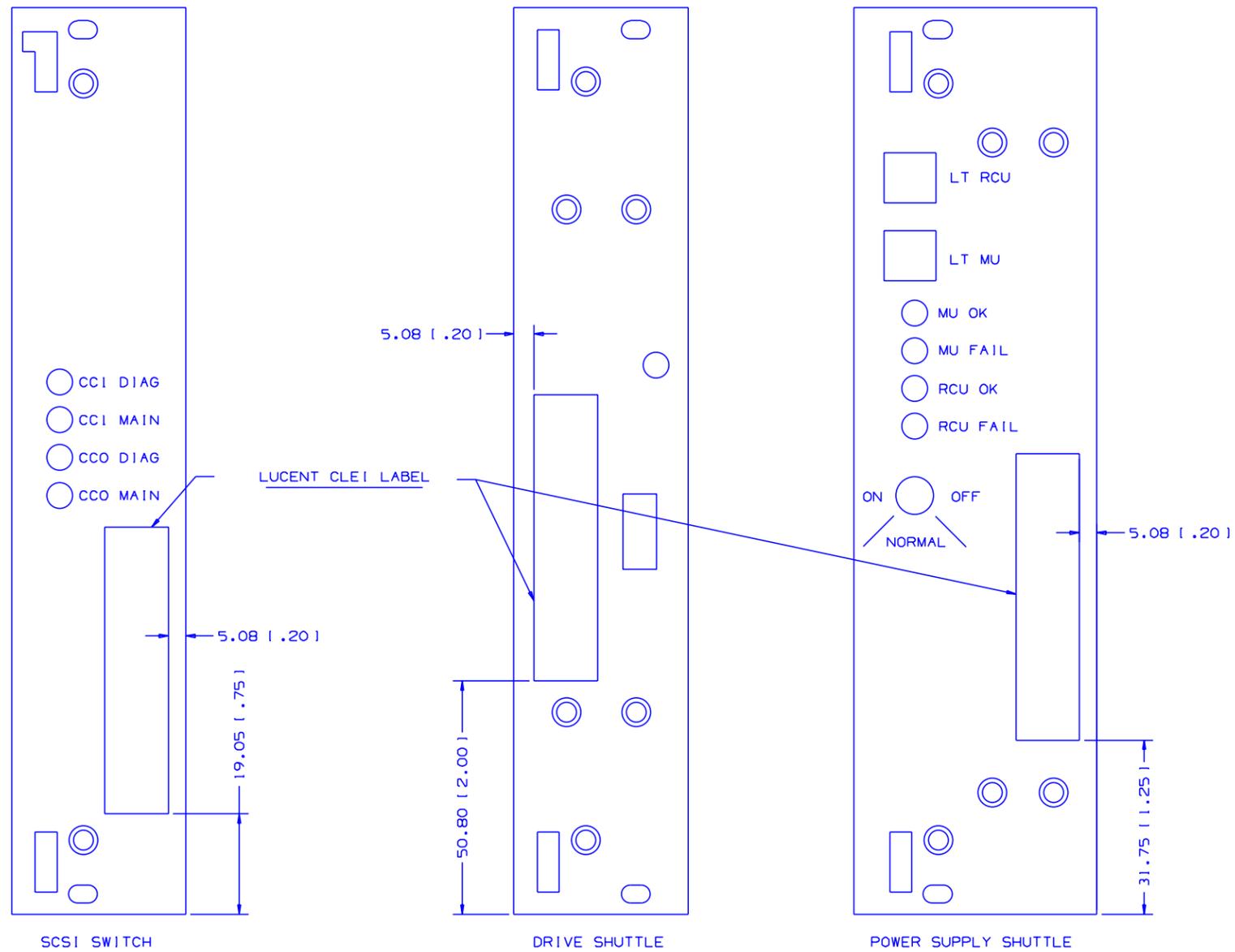


FIG. L
CLEI LABEL PLACEMENT
MEDIA UNIT CIRCUIT PACK
FACE PLATES

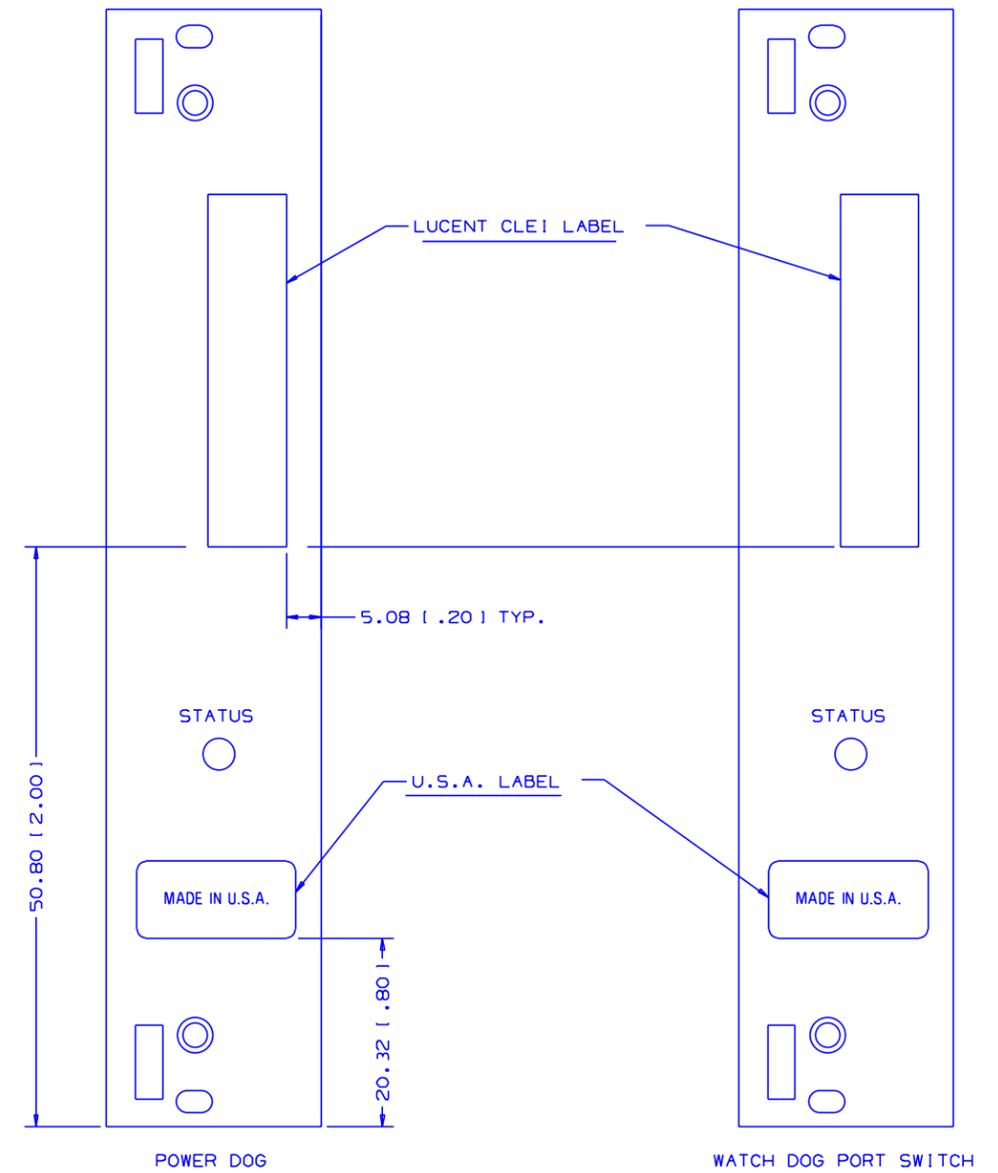


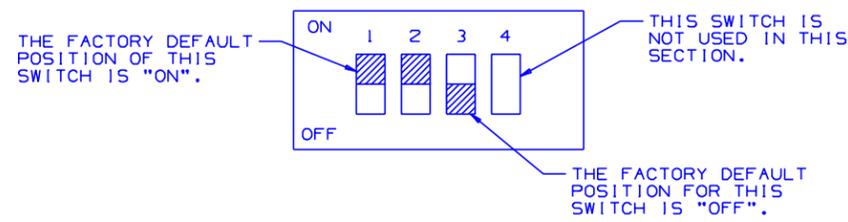
FIG. M
CLEI LABEL PLACEMENT
RCU UNIT CIRCUIT PACK
FACE PLATES

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	7
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NOTATION CONVENTIONS

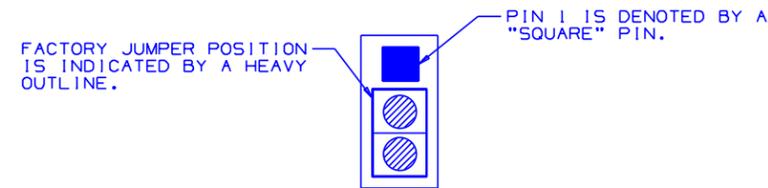
IN THE FOLLOWING MATERIAL, CERTAIN NOTATION CONVENTIONS ARE USED WHICH BEAR SOME EXPLANATION.

WHENEVER A PARTICULAR SECTION USES DIP SWITCHES IN CONFIGURATION, ONLY THOSE DIP SWITCHES WHICH AFFECT THE SECTION ARE SHOWN. THE RELEVANT SWITCHES ARE DRAWN IN THE FACTORY CONFIGURATION POSITION. FOR EXAMPLE:



MOST PLACES IN THE TEXT WILL REFER TO SWITCH POSITIONS AS "ON" OR "OFF". IT SHOULD BE UNDERSTOOD THAT "OPEN" AND "OFF" ARE EQUIVALENT, AS ARE "CLOSED" AND "ON".

SOME CONFIGURATION CHOICES ARE MADE BY JUMPERS OR SHUNTS. THE DRAWING CONVENTION FOR THESE IS AS FOLLOWS:



IN CONFIGURATION TABLES ASSOCIATED WITH SWITCHES AND JUMPERS, THE FACTORY DEFAULT CONFIGURATION IS MARKED WITH AN ASTERISK(*).

LBE4510 CONTROL COMPUTER
JUMPER/SWITCH LOCATIONS & DEFAULT SETTINGS

TABLE 2.1 LBE4510 SWITCH SETTINGS		
SWITCH	POSITION	FUNCTION
SW1-1	ON*	DTE (CONNECT TO A MODEM - /AT STANDARD)
	OFF	DCE (CONNECT TO A CPU)
SW1-2	ON	COLOR DISPLAY
	OFF*	MONOCHROME DISPLAY
SW1-3	ON	/XT KEYBOARD
	OFF*	PS/2 OR /AT KEYBOARD
SW1-4	ON	MANUFACTURING TEST
	OFF*	NORMAL MODE

NOTE: AN "*" INDICATES FACTORY DEFAULT SETTING.
NOTE: OPEN = OFF
CLOSED = ON

CPU SPEED*		
E1	E2	SPEED
OFF	OFF	75/90/100 MHZ
OFF	ON	RESERVED
ON	OFF	120/133 MHZ
ON	ON	150/166 MHZ

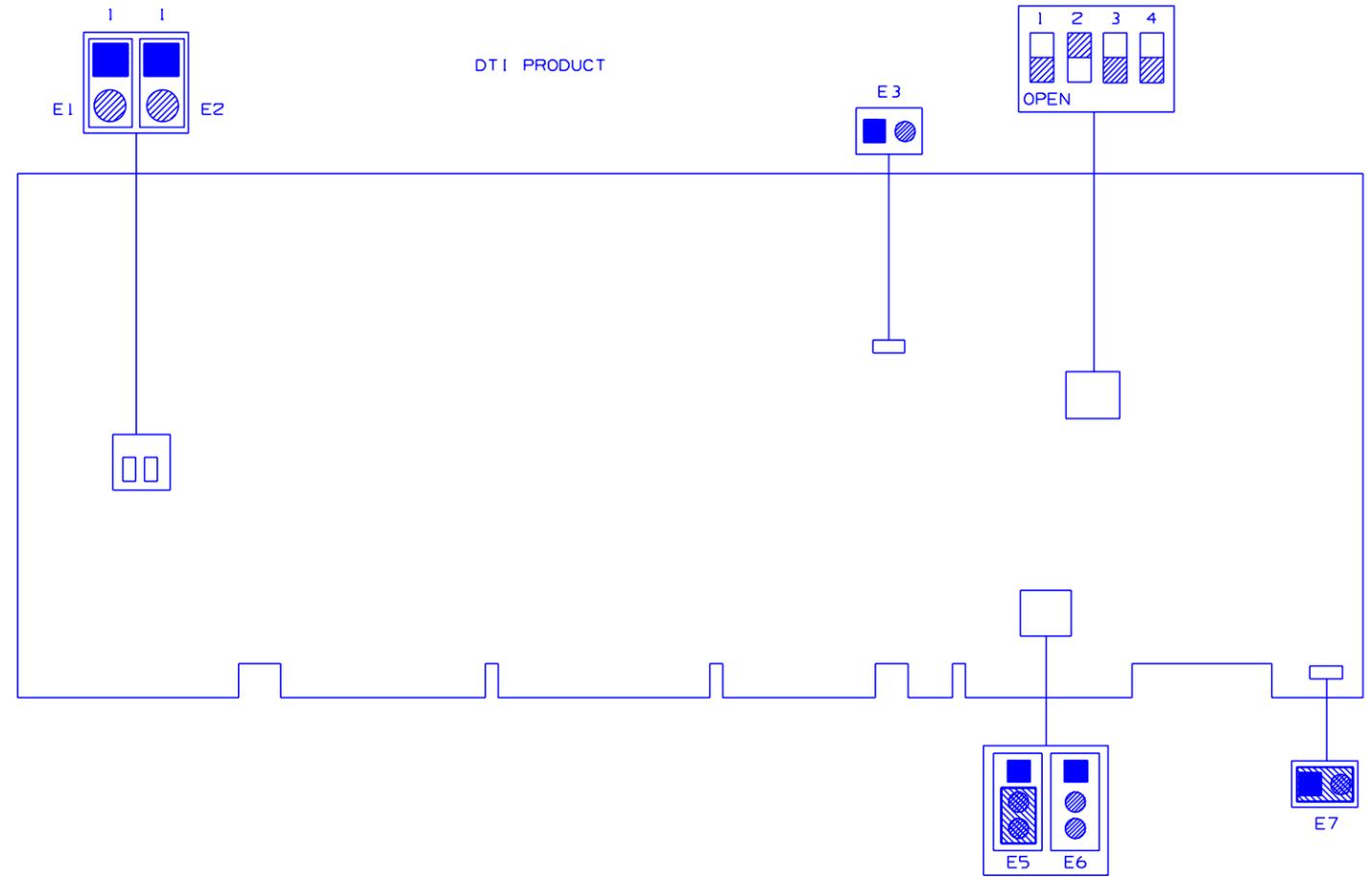
* SPEED IS DETERMINED BY THE PROCESSOR INSTALLED IN THE CIRCUIT PACK

LBE4510 2.88MB FLOPPY SUPPORT		
JUMPER	POSITION	FUNCTION
E3	EQUIPPED	ENABLE
	NOT EQUIPPED*	DISABLE

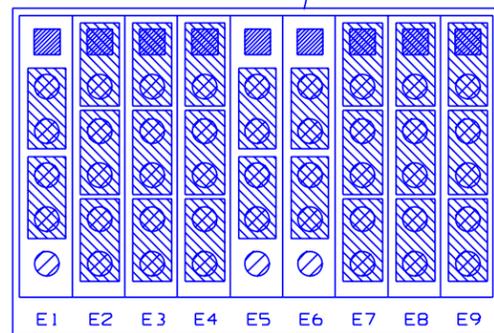
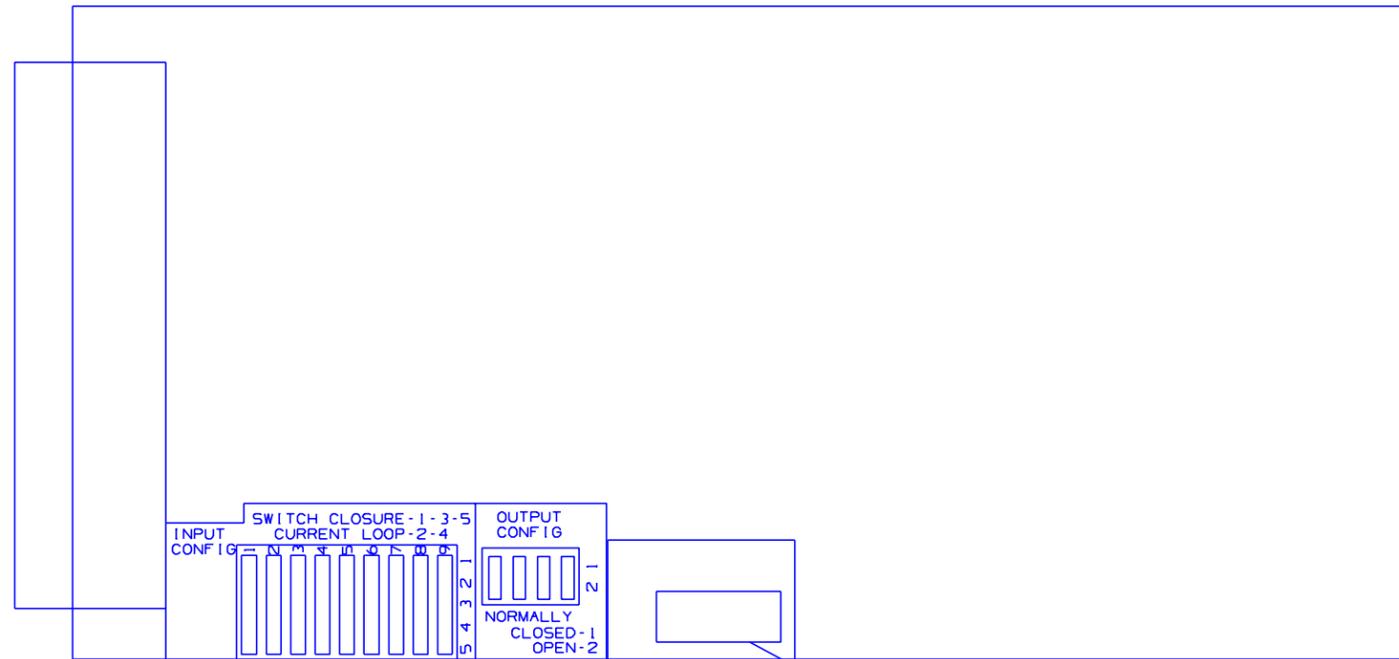
LBE4510 MONITOR INTERRUPT SETTINGS		
JUMPER	POSITION	INTERRUPT
E5	NOT EQUIPPED	NO INTERRUPT
	1-2 EQUIPPED	IR011
	2-3 EQUIPPED*	IR010

LBE4510 PRINTER INTERRUPT		
JUMPER	POSITION	FUNCTION
E6	NOT EQUIPPED*	NO INTERRUPT
	1 & 2 EQUIPPED	IR07
	2 & 3 EQUIPPED	IR05

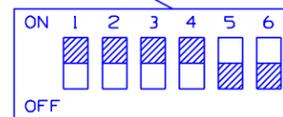
LBE4510 BRACKET GROUND		
JUMPER	POSITION	BRACKET TP CPU GROUND
E7	EQUIPPED*	YES
	NOT EQUIPPED	NO



DTI PRODUCT
 AAB1024 ALARM INTERFACE BOARD
 JUMPER AND SWITCH LOCATIONS



NOT AVAILABLE



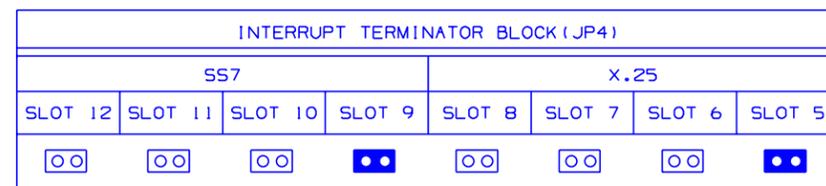
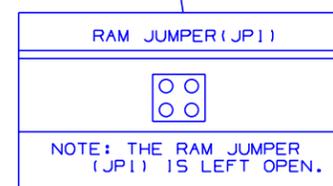
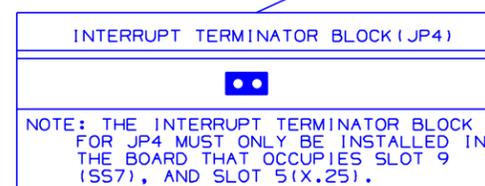
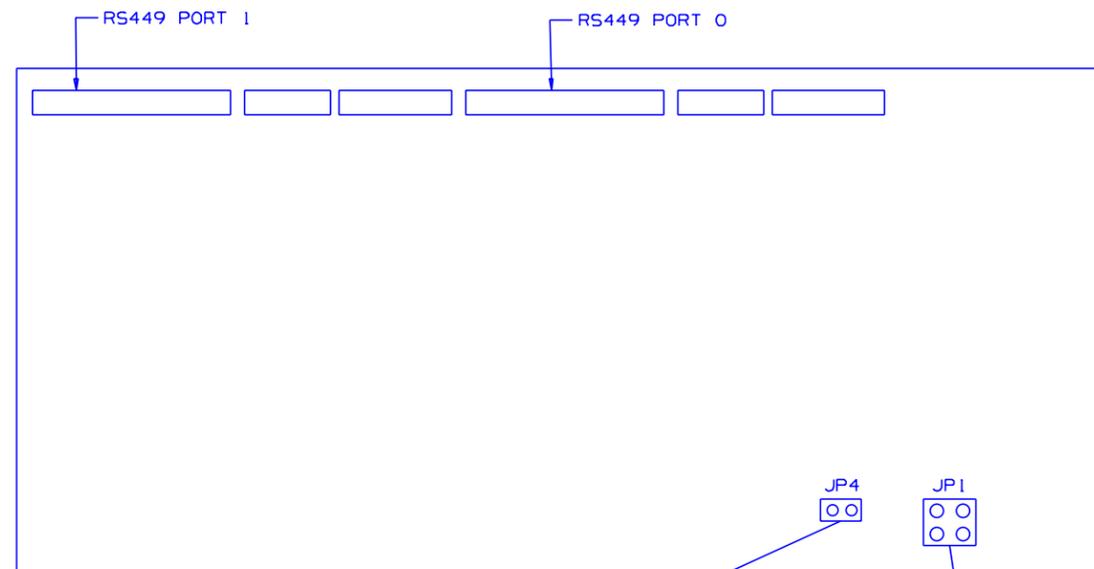
SW1



PIN 1 IS DENOTED BY A "SQUARE" PIN

JUMPER POSITION IS INDICATED BY A HEAVY OUTLINE

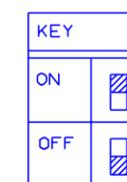
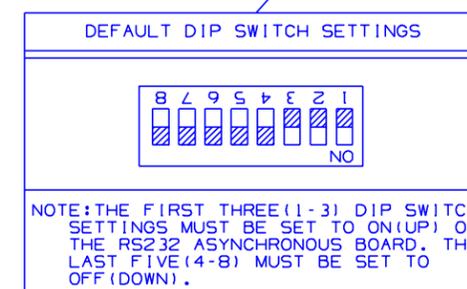
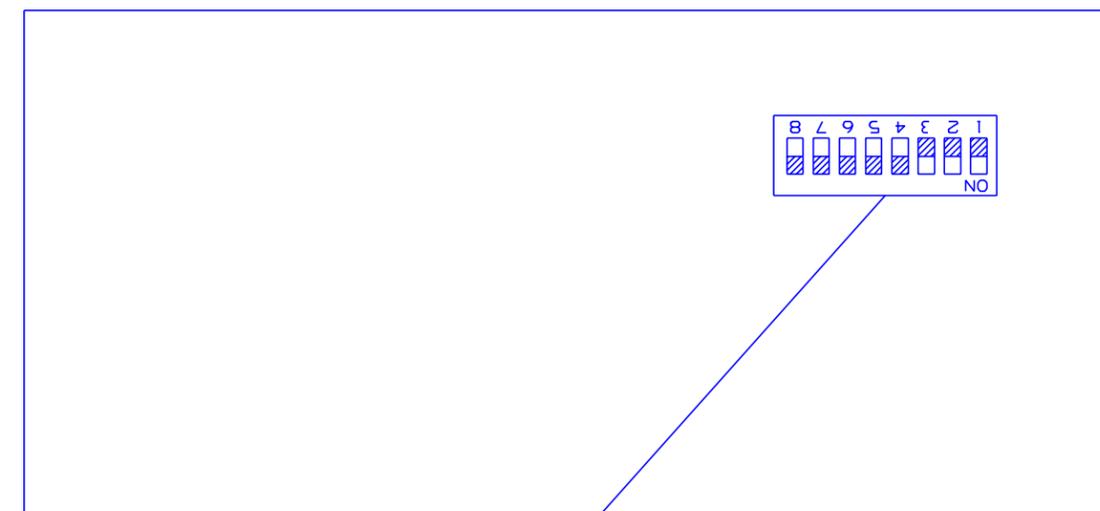
ADAX PRODUCT
SS7 AND X.25 BOARD JUMPER SETTINGS



CONTROL PRODUCT

RS232 ASYNCHRONOUS BOARD DIP SWITCH SETTINGS

THE DIP SWITCH ASSOCIATED WITH THIS CIRCUIT PACK IS UPSIDE DOWN AND ON/OFF CONVENTIONS ARE AS SHOWN IN KEY.

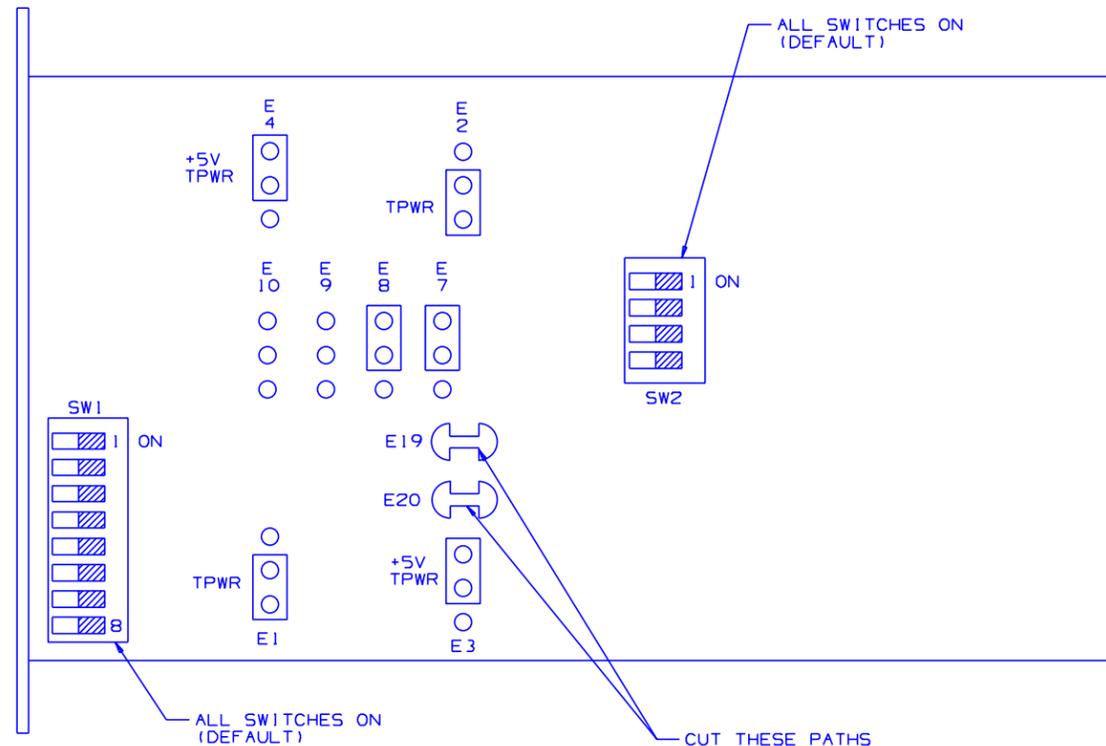


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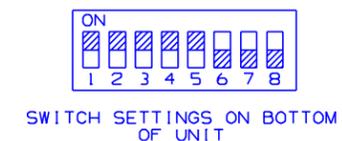
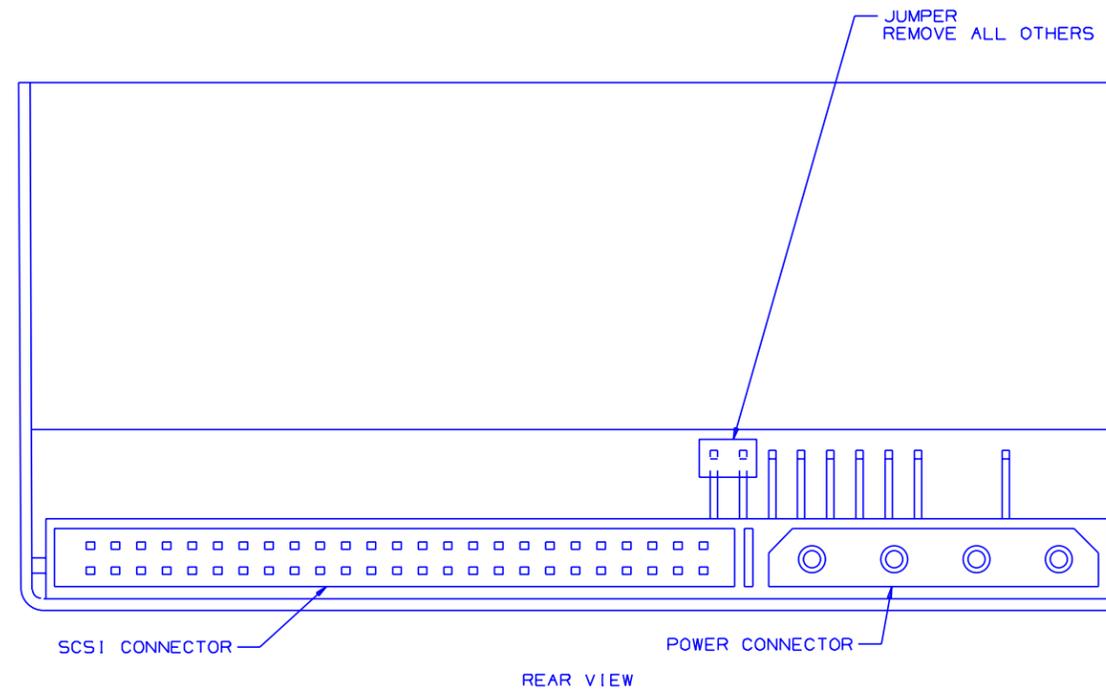
ADVANTAGE
CONTROL SERVER
CABINET

DWG SIZE C2	ISSUE 1
SHEET B14	

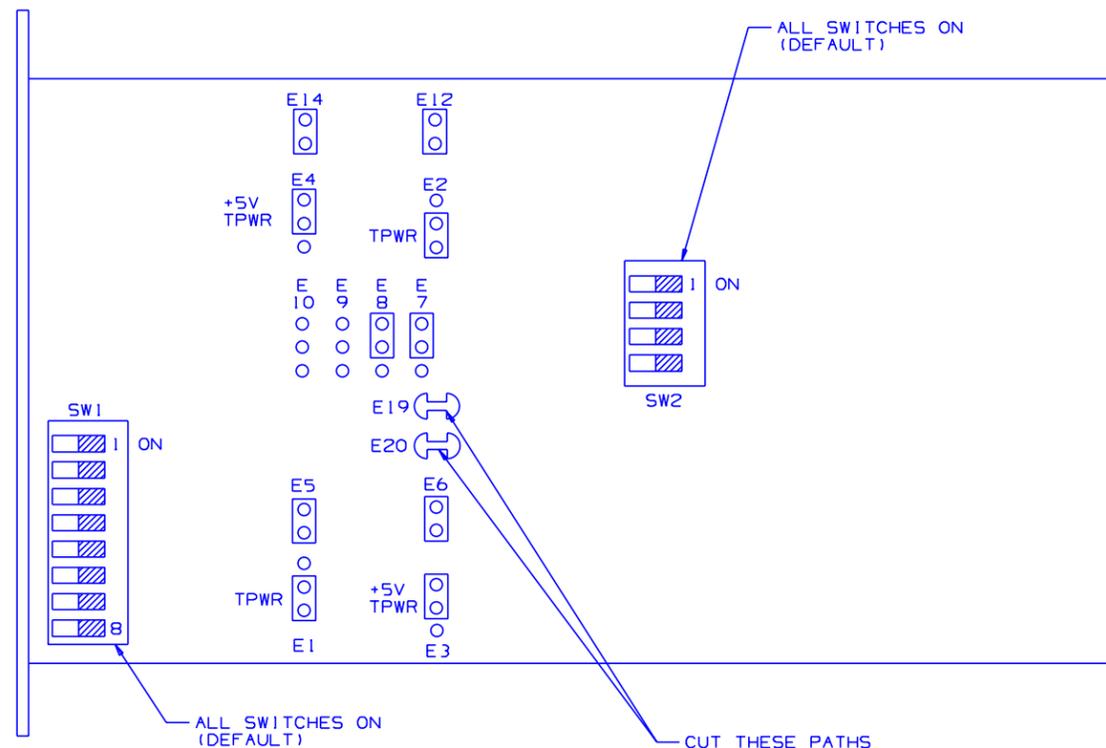
APCON PRODUCT
AC12021 SCSI SWITCH BOARD
JUMPER AND SWITCH SETTINGS



HEWLETT PACKARD PRODUCT
C1533-00100 SCSI TAPE DRIVE
JUMPER AND SWITCH SETTINGS



APCON PRODUCT
AC12021-A11 SCSI SWITCH BOARD
JUMPER AND SWITCH SETTINGS

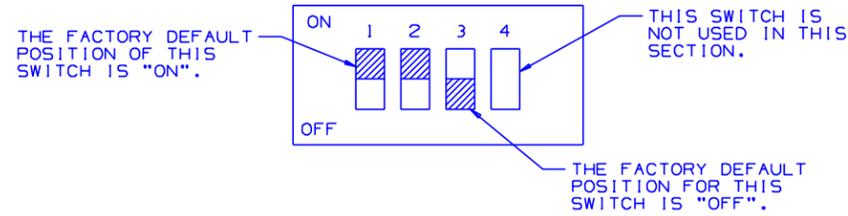


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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	7
Lucent Technologies, Inc.	EDIS015-60 <small>PRINTED IN U.S.A.</small>	SHEET B15

NOTATION CONVENTIONS

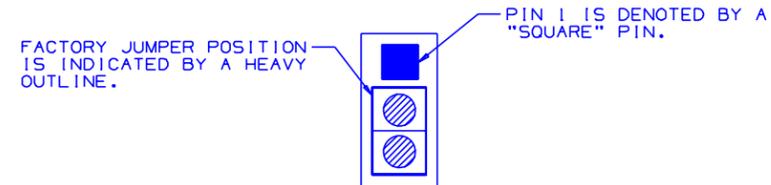
IN THE FOLLOWING MATERIAL, CERTAIN NOTATION CONVENTIONS ARE USED WHICH BEAR SOME EXPLANATION.

WHENEVER A PARTICULAR SECTION USES DIP SWITCHES IN CONFIGURATION, ONLY THOSE DIP SWITCHES WHICH AFFECT THE SECTION ARE SHOWN. THE RELEVANT SWITCHES ARE DRAWN IN THE FACTORY CONFIGURATION POSITION. FOR EXAMPLE:

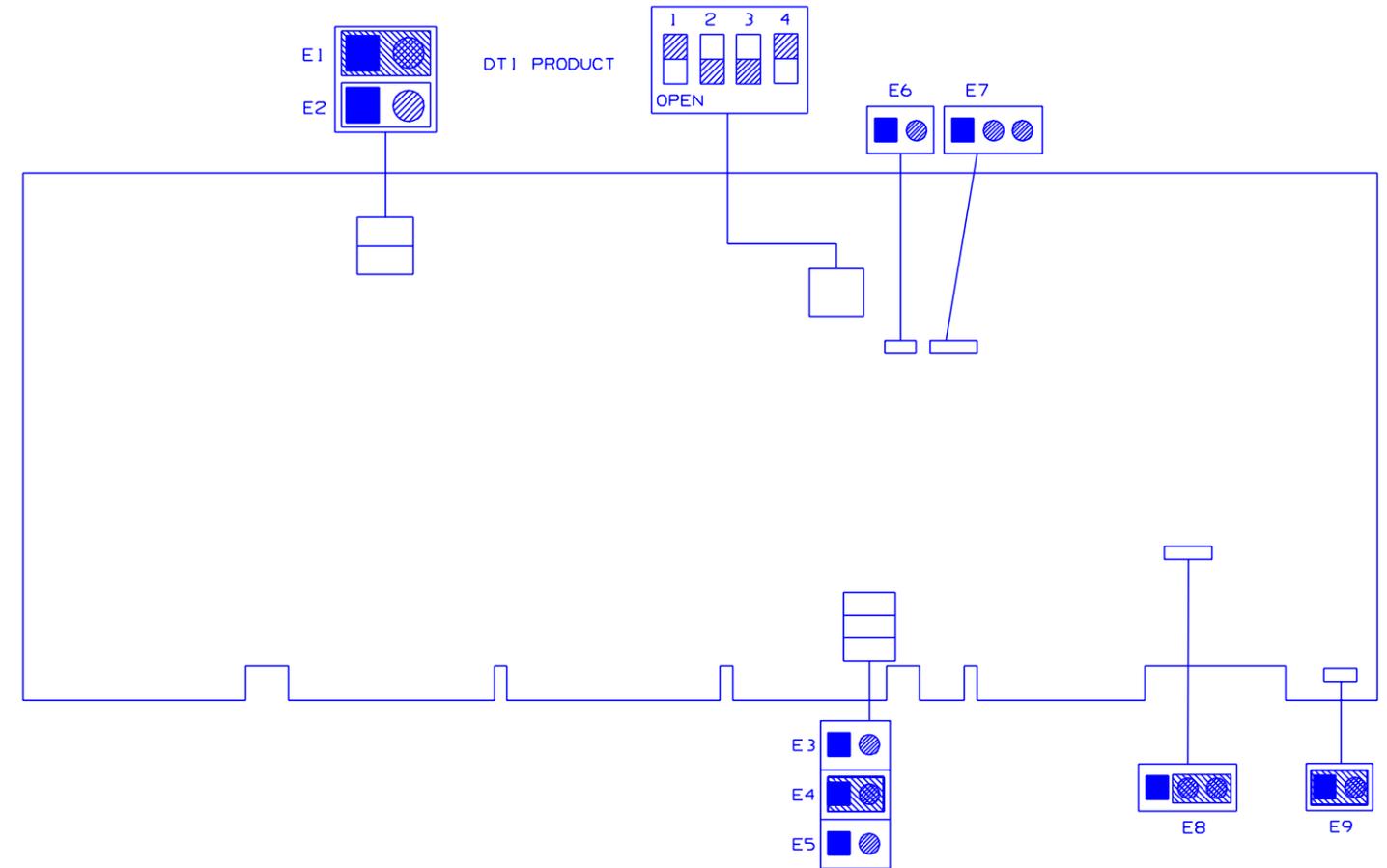


MOST PLACES IN THE TEXT WILL REFER TO SWITCH POSITIONS AS "ON" OR "OFF". IT SHOULD BE UNDERSTOOD THAT "OPEN" AND "OFF" ARE EQUIVALENT, AS ARE "CLOSED" AND "ON".

SOME CONFIGURATION CHOICES ARE MADE BY JUMPERS OR SHUNTS. THE DRAWING CONVENTION FOR THESE IS AS FOLLOWS:



IN CONFIGURATION TABLES ASSOCIATED WITH SWITCHES AND JUMPERS, THE FACTORY DEFAULT CONFIGURATION IS MARKED WITH AN ASTERISK(*).



LBE7510 CONTROL COMPUTER
JUMPER/SWITCH LOCATIONS & DEFAULT SETTINGS

SWITCH	POSITION	FUNCTION
SW1-1	ON*	COLOR DISPLAY
	OFF	MONOCHROME DISPLAY
SW1-2	ON	MANUFACTURING TEST
	OFF*	NORMAL MODE
SW1-3	ON	RESERVED
	OFF*	PS/2 OR /AT KEYBOARD
SW1-4	ON*	DTE(CONNECT TO A MODEM - /AT STANDARD)
	OFF	DCE(CONNECT TO A CPU)

NOTE: AN "*" INDICATES FACTORY DEFAULT SETTING.
NOTE: OPEN = OFF
CLOSED = ON

E1	E2	E3	E4	E5	CPU SPEED	CPU BUS FREQUENCY
OFF	ON	ON	OFF	ON	180 MHZ	60 MHZ
ON*	OFF*	OFF*	ON*	OFF*	200 MHZ	66 MHZ
OTHER COMBINATIONS					RESERVED	

JUMPER	POSITION	FUNCTION
E6	EQUIPPED	ENABLE
	NOT EQUIPPED*	DISABLE

JUMPER	POSITION	FUNCTION
E7	NOT EQUIPPED*	NO INTERRUPT
	1 & 2 EQUIPPED	IRQ7
	2 & 3 EQUIPPED	IRQ5

JUMPER	POSITION	INTERRUPT
E8	NOT EQUIPPED	NO INTERRUPT
	1-2 EQUIPPED	IRQ11
	2-3 EQUIPPED*	IRQ10

JUMPER	POSITION	BRACKET TP CPU GROUND
E9	EQUIPPED*	YES
	NOT EQUIPPED	NO

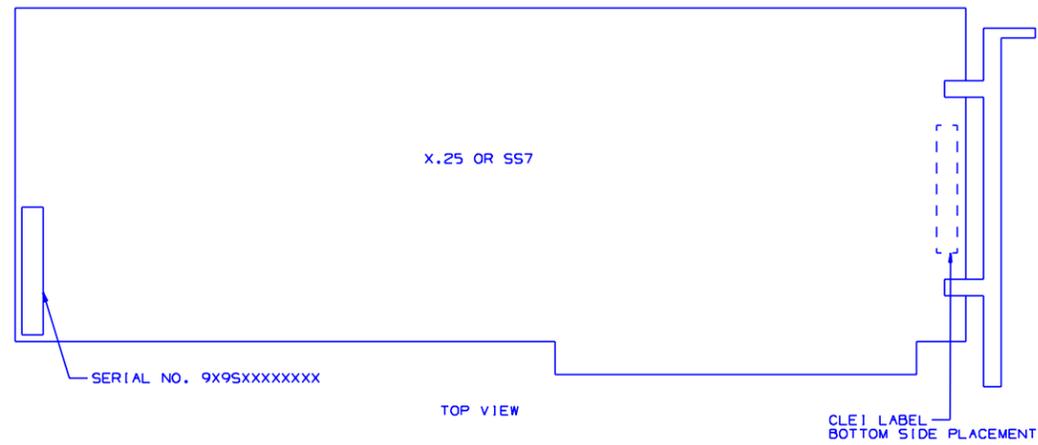


FIG. N
 LABEL SHOULD BE PLACED EITHER ON BOTTOM SIDE OF X.25 OR SS7 BOARD BETWEEN FACE PLATE MTG HOLES OR TOPSIDE BOTTOM/LEFT EDGE OF CARD
 CLEI LABEL SHALL BE PLACED AS SHOWN ABOVE

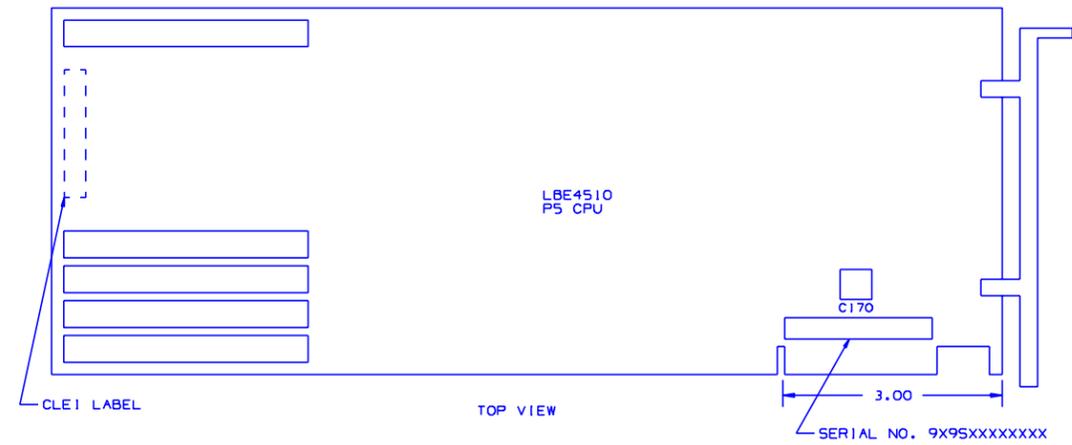


FIG. P
 LABEL SHOULD BE PLACED UNDER C170 DEVICE APPROX 3 INCHES TO THE LEFT OF THE FACEPLATE AND JUST ABOVE GOLD FINGERS ON TOPSIDE OF CPU BOARD.
 CLEI LABEL SHOULD BE PLACED ON BOTTOM SIDE OF CPU BOARD ON OUTER MOST EDGE ADJACENT TO C1 & C2 COMPONENTS.

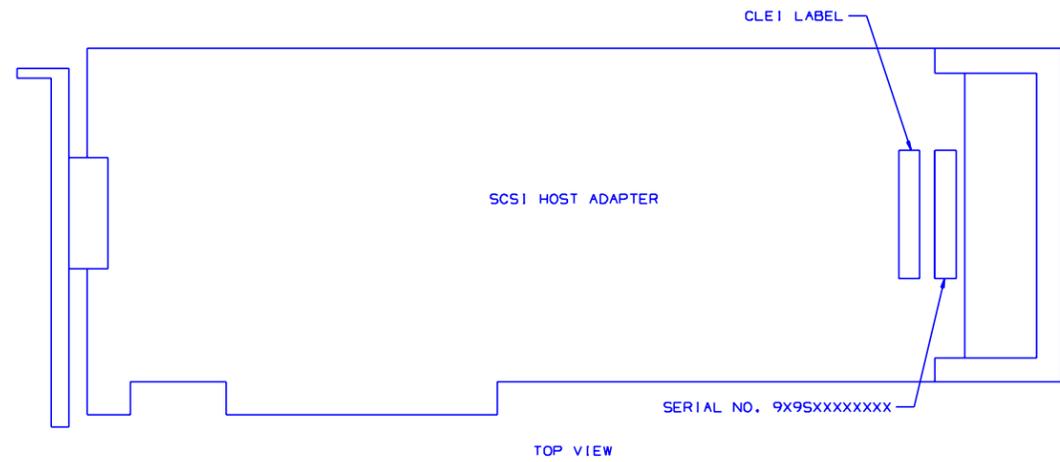


FIG. R
 LABEL SHOULD BE PLACED ON TOPSIDE RIGHT EDGE IN CENTER OF SCSI HOST ADAPTER BOARD
 CLEI LABEL SHOULD BE PLACED ON TOPSIDE RIGHT EDGE IN CENTER OF SCSI HOST ADAPTER BOARD NEXT TO COMCODE LABEL.

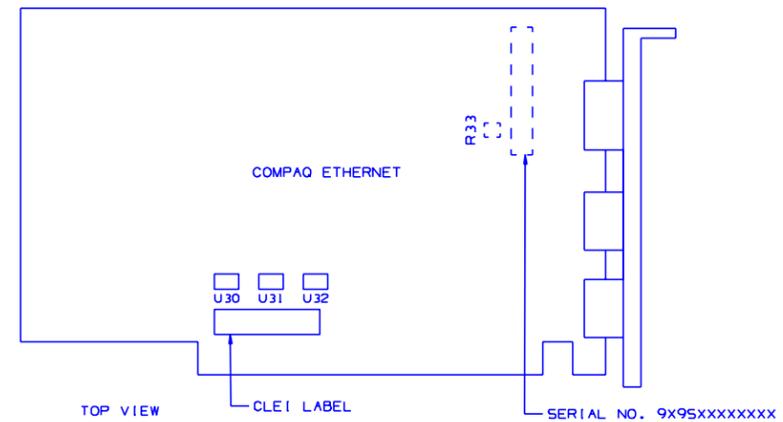


FIG. S
 LABEL SHOULD BE PLACED ON BOTTOM SIDE UNDER R33 DEVICE. LABEL SHOULD BE AFFIXED PARALLEL WITH ETHERNET BOARD FACEPLATE
 CLEI LABEL SHOULD BE PLACED ON TOP SIDE UNDER U30, U31 & U32 DEVICES.

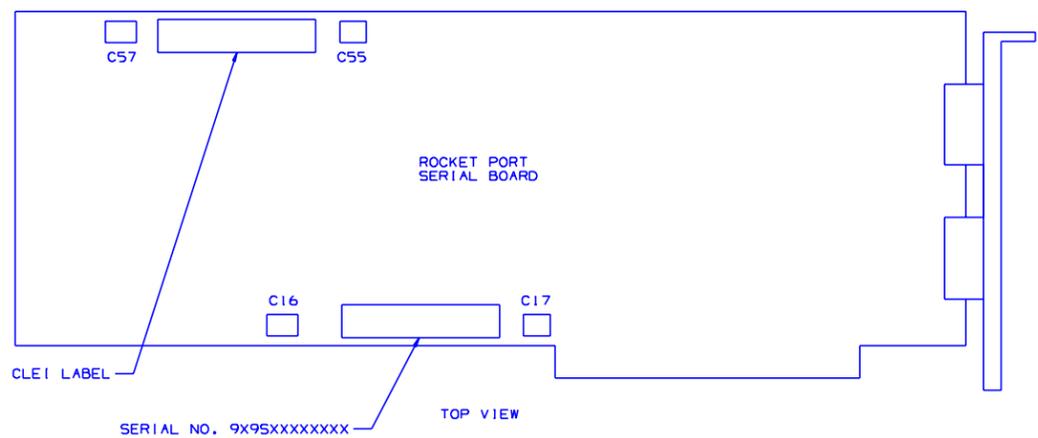


FIG. T
 LABEL SHOULD BE PLACED ON TOPSIDE BETWEEN C16 AND C17 COMPONENTS OF MULTISERIAL BOARD
 CLEI LABEL SHOULD BE PLACED ON TOP SIDE BETWEEN C55 AND C57 COMPONENTS OF MULTISERIAL BOARD.

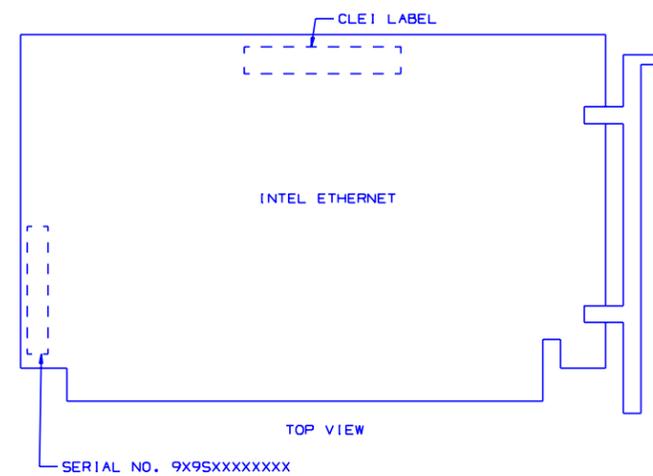
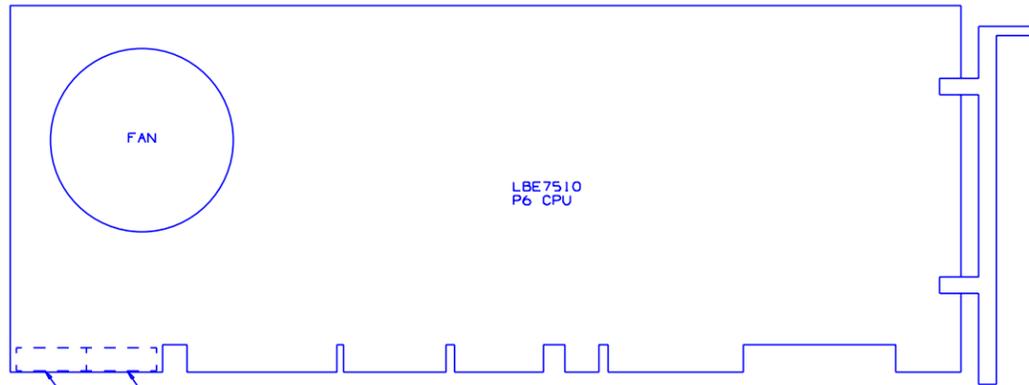


FIG. U
 LABEL SHOULD BE PLACED ON BOTTOM SIDE (DIRECTLY UNDER S/N LABEL), LOWER BOTTOM/RIGHT EDGE OF ETHERNET BOARD
 CLEI LABEL SHOULD BE PLACED ON BOTTOM SIDE OF INTEL ETHERNET BOARD TOP EDGE IN CENTER OF BOARD.

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	6
LUCENT TECHNOLOGIES INC.	EDISO15-60	SHEET B17
PRINTED IN U.S.A.		



CLEI LABEL
BOTTOM SIDE

SERIAL NUMBER 9X95XXXXXXXX
BOTTOM SIDE

TOP VIEW

FIG. V
LABELS TO BE PLACED AS SHOWN
ON THE BOTTOM SIDE OF BOARD.

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
	C2	6
LUCENT TECHNOLOGIES INC.	EDIS015-60	SHEET B18

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MANUFACTURING NOTES

***** CONTINUED *****

OF THE RCU CHASSIS AT THE DISCRETION OF THE CABINET INTEGRATOR AS PART OF THE STANDARD MANUFACTURING PROCESS.

X 31. THE INTEGRATOR IS TO PROCURE AND APPLY ALL LABELING ON THE MEDIA UNIT PLUGGABLE APPARATUS. REQUIRED LABELS INCLUDE THE CLEI LABELS PER LUCENT SPECIFICATION KS22002, LIST 53 AND SERIAL NUMBER AND COMCODE LABELS PER LUCENT SPECIFICATION KS23490, LIST 5. THE CLEI LABELS ARE COMCODED ITEMS ORDERED BY GROUPS CA, CB, CC ETC. OF THIS DRAWING. THEY MAY BE PRINTED IN-HOUSE PER KS22002 REQUIREMENTS OR PROCURED BY COMCODE FROM THE FOLLOWING LUCENT APPROVED VENDOR:

GRAPHIC TECHNOLOGY
301 GARDNER DRIVE
NEW CENTURY, KANSAS

TELEPHONE (913) 764-5550 EXT 181 (ATTN: FRED COMBS)

THE SERIAL NUMBER AND COMCODE LABELS CAN ALSO BE PRINTED IN-HOUSE PER KS23490, LIST 5 REQUIREMENTS OR PROCURED FROM GRAPHIC TECHNOLOGY. SN/COMCODE LABEL ORDERS TO GRAPHIC TECHNOLOGY MUST SPECIFY QUANTITY REQUIRED, LIST NUMBER FROM KS23490, THE COMCODES REQUIRED AND THE BLOCK OF LUCENT TECHNOLOGIES SERIAL NUMBERS REQUIRED. LUCENT TECHNOLOGIES IS RESPONSIBLE FOR SUPPLYING THE INTEGRATOR WITH THE LUCENT SERIAL NUMBERS ALLOCATED ON A MONTHLY BASIS WITH PROJECTED PRODUCTION QUANTITIES. THE INTEGRATOR'S MANUFACTURING LOCATION ID CODE FOR USE IN THE SERIAL NUMBER LABELS IS "9R".

CLEI LABELS ARE TO BE APPLIED TO THE FACEPLATES OF THE MEDIA UNIT PLUGGABLE APPARATUS PER FIGURE "L". SERIAL NUMBER AND COMCODE LABELS ARE TO BE APPLIED TO THE SOLDER SIDE OF THE APPARATUS PRINTED WIRING BOARDS IN CONSISTANT LOCATIONS AS DETERMINED BY THE INTEGRATOR.

THE INTEGRATOR MAY ALSO APPLY STANDARD SUBRACK SERIALIZATION LABELING TO THE OUTSIDE OF THE MEDIA UNIT CHASSIS AS PART OF THE STANDARD MANUFACTURING PROCESS.

X 32. DIVERSIFIED TECHNOLOGIES INC. (DTI) IS TO PROCURE AND APPLY ALL LABELING ON THE CONTROL COMPUTER UNIT PLUGGABLE APPARATUS. THESE REQUIRED LABELS INCLUDE THE CLEI LABELS PER LUCENT SPECIFICATION KS22002, LIST 53 AND SERIAL NUMBER AND COMCODE LABELS PER LUCENT SPECIFICATION KS23490, LIST 5. THE CLEI LABELS ARE COMCODED ITEMS ORDERED BY GROUPS CD, CE, CF ETC. OF THIS DRAWING. THEY MAY BE PRINTED IN-HOUSE PER KS22002 REQUIREMENTS OR PROCURED BY COMCODE FROM THE FOLLOWING LUCENT APPROVED VENDOR:

GRAPHIC TECHNOLOGY
301 GARDNER DRIVE
NEW CENTURY, KANSAS

TELEPHONE (913) 764-5550 EXT 181 (ATTN: FRED COMBS)

THE SERIAL NUMBER AND COMCODE LABELS CAN ALSO BE PRINTED IN-HOUSE PER KS23490, LIST 5 REQUIREMENTS OR PROCURED FROM GRAPHIC TECHNOLOGY. SN/COMCODE LABEL ORDERS TO GRAPHIC TECHNOLOGY MUST SPECIFY QUANTITY REQUIRED, LIST NUMBER FROM KS23490, THE COMCODES REQUIRED AND THE BLOCK OF LUCENT TECHNOLOGIES SERIAL NUMBERS REQUIRED. LUCENT TECHNOLOGIES IS RESPONSIBLE FOR SUPPLYING THE INTEGRATOR WITH THE LUCENT SERIAL NUMBERS ALLOCATED ON A MONTHLY BASIS PER PROJECTED PRODUCTION QUANTITIES. DTI'S MANUFACTURING LOCATION ID CODE FOR USE IN THE SERIAL NUMBER LABELS IS "9S".

CLEI, SERIAL NUMBER AND COMCODE LABELS ARE TO BE APPLIED TO THE SOLDER SIDE OF THE PLUGGABLE APPARATUS PRINTED WIRING BOARDS IN CONSISTANT LOCATIONS TO BE DETERMINED BY DTI. LABEL VISIBILITY WHEN THE PACKS ARE INSTALLED IN THE DTI CHASSIS, IE. TOP EDGE OF PWB IS PREFERRED BUT NOT REQUIRED BASED ON SPACE AVAILABLE.

THE INTEGRATOR MAY ALSO APPLY STANDARD SUBRACK SERIALIZATION LABELING TO THE OUTSIDE OF THE CONTROL COMPUTER CHASSIS AS PART OF STANDARD MANUFACTURING PROCESS. THE DTI SERIAL NUMBER ON THE SUBRACK LABEL IS TO CORRELATE TO THE SPECIFIC CONTENTS OF THE CHASSIS. AN ELECTRONIC AND HARD COPY DATABASE OF ALL LUCENT TECHNOLOGIES SERIAL NUMBERS CORRELATING TO THE DTI SERIAL NUMBER IS TO BE MAINTAINED, WITH AT LEAST A HARD COPY RECORD ACCOMPANYING EACH SUBRACK DELIVERED TO THE INTEGRATOR. ELECTRONIC TRANSFER OF THE SAME SERIAL NUMBER TRACKING DATA WILL BE PER REQUIREMENTS ESTABLISHED BY THE INTEGRATOR.

X 33. THE FACTORY MUST VERIFY THAT THE 4GB DISK DRIVES INSTALLED IN THE MEDIA UNITS (0 & 1) HAS FIRMWARE VERSION NUMBER - 0484. THE
----- CONTINUED ON NEXT SHEET -----

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MANUFACTURING NOTES

***** CONTINUED *****

LEE'S SUMMIT, MO 60486

TEL. (861) 251-4000

X X 21. THE 847416682 UNIVERSAL MOUNTING BRACKETS HAVE TWO SETS OF MOUNTING SLOTS. ONE SET STAMPED "US", FOR USE WITH STANDARD ENGLISH SCREWS AND THE OTHER STAMPED "M", FOR USE WITH SI, METRIC SCREWS. THE SLOTS STAMPED "M" ARE TO BE USED WHEN MOUNTING IN THE 5ESS-2000 SWITCH CABINET.

X 22. STAMP THE UNIT IDENTIFICATION I.E. (RCC, MU0, MU1 ETC.) ON EACH UNIT IN .318MM (.125 IN) CHARACTERS, BLACK INK, APPROXIMATELY AS SHOWN.

X X 23. IF THE SECOND MEDIA UNIT (MU1) IS NOT PROVIDED PLENUM PANELS MUST BE INSTALLED ON THE SIDES, FRONT AND REAR OF THE CABINET IN THE LOCATION THAT UNIT WOULD NORMALLY OCCUPY IN ORDER TO ENSURE PROPER AIR FLOW TO THE UNITS ABOVE. ORDERED BY GROUP 110.

X X 24. CABELING FIGURES, "C" THROUGH "K" ARE INTENDED TO SHOW RECOMMENDED CABLE ROUTING INFORMATION ONLY AND ARE NOT INTENDED TO SHOW ACTUAL "POINT TO POINT" WIRING INFORMATION. SEE THE ASSOCIATED WIRING TABLES AND SD1S007-01 AND SD1S008-01 FOR THAT PURPOSE.

X 25. THE ETHERNET CABLES, TRANSCEIVERS, TEE'S, JUMPERS AND TERMINATORS ARE TO BE ASSEMBLED PER FIGURE K, CONNECTED AT THE COMPUTER END, TIED ON THE CABLE ARMS AND THE REMAINDER COILED, PLACED IN A PLASTIC BAG AND SECURED IN THE FRAMEWORK BASE FOR SHIPMENT.

X 26. ONLY SIX OF THE TOWEL BARS PROVIDED WITH THE 847272879 EMC FRAME ADDITION KIT ARE TO BE INSTALLED ON THE INSIDE REAR FLANGE OF THE VERTICAL CHANNELS IN THE LOCATIONS SHOWN IN SKETCH B.

X X 27. MEDIA UNIT SCSI DISK ADDRESS SWITCHES ARE TO BE SET AS FOLLOWS ON THE UNIT FRONT PANEL.

SCSI DISK POSITION	SWITCH SETTING
2	1
3	2
4	3
5	4
6	5
7	6
8	6
9	5
10	4
11	3
12	2
13	1

X X 28. THE METRAL CABLE ASSEMBLY, 407593474, IS MADE UP OF FOUR INDIVIDUAL CONNECTORIZED CABLES. EACH IS LABELED WITH THE PIN FIELD THEY CONNECT TO: 1 - 6, 7 - 12, 13 - 18 AND 19 - 24. THEY SHOULD BE INSTALLED IN THE CONNECTORS IN THE V.35 PADDLE BOARDS OR THE RCU UNIT STARTING WITH CABLE 1 - 6 IN THE TOPMOST POSITION AND CONSECUTIVELY WITH CABLE 19 - 24 IN THE BOTTOM POSITION.

1 - 6
7 - 12
13 - 18
19 - 24

X X 29. POWER AND ALARM WIRING IS ALWAYS PROVIDED FOR OPTIONAL UNITS. CONNECTIONS ARE SHOWN FOR REFERENCE ONLY.

X 30. LUCENT TECHNOLOGIES IS TO PROCURE AND APPLY ALL LABELING ON THE RCU PLUGGABLE APPARATUS PER STANDARD LUCENT TECHNOLOGIES PROCESSES. REQUIRED LABELS INCLUDE THE CLEI LABEL PER KS22002,L61 SERIAL NUMBER AND COMCODE LABELS PER KS23490 AND THE "MADE IN THE U.S.A" LABEL. CLEI LABEL IS TO BE APPLIED TO THE FRONT FACEPLATE OF THE WATCHDOG, POWERDOG AND PORT SWITCH CIRCUIT PACKS PER FIG. "M". CLEI LABELS FOR THE OTHER PLUGGABLE APPARATUS IN THE RCU TO BE APPLIED TO THE SOLDER SIDE OF THE PRINTED WIRING BOARDS. THE SERIAL NUMBER AND COMCODE LABELS ARE TO BE APPLIED TO THE COMPONENT SIDE OF THE PACKS PER STANDARD MANUFACTURING PRACTICES. THE "MADE IN U.S.A." LABEL IS TO BE APPLIED TO THE WATCHDOG, POWERDOG AND PORT SWITCH CIRCUIT PACK FACEPLATES PER FIG. "M" AND TO THE SOLDER SIDE OF THE PRINTED WIRING BOARDS FOR ALL OTHER PLUGGABLE APPARATUS.

A SUBRACK SERIALIZATION LABEL MAY ALSO BE APPLIED TO THE OUTSIDE
----- CONTINUED TO THE LEFT -----

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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 X 12. THIS DOCUMENT CONTAINS BOTH CUSTOMARY U.S. (INCH) AND SI (METRIC) DIMENSIONS. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS. EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN BRACKETS.

X X 13. WHEN JUNCTIONING SIX FOOT CABINETS TOGETHER THE LEVEL OF EACH CABINET SHALL BE DETERMINED AT THE TOP SURFACE OF THE CABINET AND NOT THE BOTTOM.

X X 14. THE HEXAGON HEAD CAP SCREWS USED FOR JUNCTIONING CABINETS TOGETHER MAY BE INSERTED FROM EITHER SIDE OF THE JUNCTION AS DETERMINED BY THE MANUFACTURING LOCATION.

X X 15. THE COMCODES SHOWN IN THE STOCKLIST IDENTIFICATION FIELD REFERENCED BY THIS NOTE ARE NOT THE INDIVIDUAL OR SINGULAR COMCODE FOR THE PART DESCRIBED BUT ARE THE FACTORY'S ORDERING COMCODE. TABLE JJ CONTAINS THE FACTORY'S ORDERING COMCODE FOR THE DESCRIBED PART AND THE EQUIVALENT SINGULAR/INDIVIDUAL COMCODE THAT MAY BE REQUIRED BY AN INSTALLER, CUSTOMER, REGIONAL LINE ENGINEER, OR A CLASS A CHANGE NOTICE.

X 16. CABINET ADDRESS LABELS SHOWN IN THE STOCKLIST ARE FOR ACCOUNTING PURPOSES ONLY ACTUAL LABELS ARE PROVIDED PER JOB SPECIFICATIONS.

X 17. ATTACH ONE LABEL TO THE TOP, MIDDLE, REAR OF THE CABINET FOR IDENTIFICATION PURPOSES. THE REMAINING LABELS ARE TO BE BAGGED AND ATTACHED TO THE CABINET FOR FIELD APPLICATION TO THE FRONT AND REAR INDICATOR STRIPS.

X 18. TO BE OBTAINED FROM:

CONTROL CORPORATION.
2675 PATTON ROAD
SAINT PAUL, MINNESOTA 55113

TEL. (612) 631-7654, FAX. (612) 631-8117

X 19. TO BE OBTAINED FROM:

DIVERSIFIED TECHNOLOGY INC.
112 EAST STATE STREET
RIDGELAND, MS 39157

TEL. (601) 856-4121, FAX. (601) 856-2888

X 20. TO BE OBTAINED FROM:

BERG ELECTRONICS
777 NORTH BLUE PARKWAY

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BT13

ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE
C2

ISSUE
8

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1	1	847265733		ASSEMBLY, FRAME			
1010	1	1	847272879		KIT, EMC FRAME ADDITION			26
1020	1	2	845081991		LABEL, ESD			
1030	1	1	846923290		LABEL, CAUTION			
1040	1	3	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
1060	1	3	405701756		TERMINAL, LUG #M8-14R/SX 3M CO.			
1080	1	1	845623677		LABEL, GROUND POINT			
1090	4	4	901278671		SCREW, HEXAGONAL CAP #QSN90989 M12 X 150MM LG,STEEL QUALITY SCREW AND NUT		*/	13 14
1100	4	4	814251914	P42E191	WASHER, PLAIN .090 STEEL 289A FINISH		*/	13 14
1110	4	2	847535325		ASSEMBLY, PLATE GASKET		*/	13 14
1115	4	1	847172178		TAPE, SHIELDING		*/	13 14
1120	4	4	901278689		NUT, CAP #QSN90990 M12 X 10MM THK,STEEL QUALITY SCREW AND NUT		*/	13 14
1130	1	4	901249177		LABEL, DESIGNATION			16 17
1140	5	7	901278671		SCREW, HEXAGONAL CAP #QSN90989 M12 X 150MM LG,STEEL QUALITY SCREW AND NUT			13 14
1145	5	7	814251914	P42E191	WASHER, PLAIN .090 STEEL 289A FINISH			13 14
1150	5	7	901278689		NUT, CAP #QSN90990 M12 X 10MM THK,STEEL QUALITY SCREW AND NUT			13 14
1155	5	1	997244439		BUSHING, SNAP #SB-750-10 HEYMAN MFG CO.			13
1160	5	2	847535325		ASSEMBLY, PLATE GASKET			13
1165	5	1	847172178		TAPE, SHIELDING			13
1200	2	1	847272861		KIT, INDICATOR (FAN/FUSE, EMC)			39
1210	2	1	847306636		KIT, INDICATOR (BLANK, EMC)			39
1250	3	1	847443314		KIT, CABINET DOOR ASSY (EMC) AINET			39
1260	3	1	846994358		PANEL, MOUNTING LABEL PANEL			39
1270	3	2	814840062	P48D006	SCREW, PAN HEAD .138-20 X 1/4 SELF TAPPING			39
1300	50	1	847637188		ASSEMBLY, SHELF 9322007-01 MEDIA UNIT			
1310	50	1	847640224		KIT, FINAL ASSEMBLY			
1315	50	1	847635430		KIT, UNIT GUIDE			
1317	52	2	407685098		KIT, GROUND #3564228-01 MUPAC			35
1320	51	1	407634989		COUPLER, ASSEMBLY #9060690-01 MUPAC			

STOCKLIST CONTINUED ON SHEET D3

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S H O P T	I N S T	MANUFACTURING NOTES	
		SYM	NBR
		***** CONTINUED *****	
		FIRMWARE VERSION LABEL IS AFFIXED AT THE TOP/HDA OF THE DISK DRIVE. IF THE DISKDRIVE IS NOT LABELED WITH THIS FIRMWARE NUMBER, THE FACTORY (MUPAC) MUST CONTACT THE LOCAL SEAGATE TECHNICAL SUPPORT TO INSTALL THE 0484 FIRMWARE ON THE 4GB SCSI DISK DRIVES.	
X	X	34.	THE GROUP 60 AND 60A CIRCUIT PACK ASSEMBLIES ARE FULLY COMPATABLE AND MAY BE USED INTERCHANGABLY. AFTER ISSUE 5 OF THIS DRAWING THE GROUP 60 BOARDS SHOULD ONLY BE ORDERED FOR SPARING PURPOSES AND NOT FOR NEW SHIPS, ALTHOUGH THE INTEGRATOR WILL CONTINUE SHIP THE GROUP 60 BOARDS UNTIL PRESENT STOCKS ARE DEPLETED.
X	X	35.	CONNECT THE RING TERMINAL END OF THE GROUNDING STRAP TO THE FRAME UPRIGHT AT THE NEAREST HOLE AVAILABLE (APPROXIMATE VERTICLE 062) USING THE SELF TAPPING SCREW (M6 1.0 X 16) COMCODE 901271031 PROVIDED . ONLY ONE RING TERMINAL IS ALLOWED PER SCREW AT THE FRAME GROUND CONNECTION.
X	X	36.	CONNECT THE RING TERMINAL END OF THE GROUNDING STRAP TO THE FRAME UPRIGHT AT THE NEAREST HOLE AVAILABLE (APPROX. VERT. 058 & 059) USING THE SELF TAPPING SCREWS (M6 1.0 X 16) COMCODE 901271031 PROVIDED . ONLY ONE RING TERMINAL IS ALLOWED PER SCREW AT THE FRAME GROUND CONNECTION.
X		37.	FACTORY INSTALLED CABLES MUST NOT INTERFERE WITH THE ACCESS TO CONNECTORS REQUIRING FIELD INSTALLED CABLING.
X		38.	FACTORY INSTALLED CABLES SHALL HAVE EXCESS CABLE LENGTH LOOPED IN THE VERTICAL CHANNELS. HORIZONTAL LOOPING IS ALLOWED ONLY IF VERTICAL SPACE IS NOT AVAILABLE AND IT COMPLIES WITH NOTE 37 CONCERNING INTERFERENCE WITH FIELD INSTALLED CONNECTIONS.
X		39.	THESE ITEMS ARE NOT REQUIRED FOR MANUFACTURE BUT ARE TO BE STAGED BY COLUMBUS GLOBAL PROCUREMENT CENTER FOR WHOLE ORDER SHIPMENT.

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ADVANCED NETWORK SERVICES
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ADVANTAGE CONTROL SERVER
CABINET

BT13

DWG SIZE C2 ISSUE 8

LUCENT TECHNOLOGIES INC ED1S015-60 SHEET D2 OF 44

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1322	60	1	407474899		ASSEMBLY, CARD #9322013-01 CLEI = E5PQARJA MUPAC			34	
1323	60A	1	407670850		ASSEMBLY, DISK DRIVE MAGNETIC #9322013-03 FE CLEI=E5PQARJA CLEI = E5PQAUNA MUPAC			33 34	
1330	70	1	407469691		CONTROLLER, CIRCUIT PACK #ACI2021 FE CLEI=E5PQAVHA CLEI = E5PQARLA APCON				
1331	70A	1	407666510		PACK,CIRCUIT, SCSI SWITCH #ACI2021-A11 FE CLEI=E5PQAUKA CLEI = E5PQAVJA APCON				
1342	80	1	407474865		ASSEMBLY, POWER SUPPLY #3501007-01 CLEI = E5PQARKA MUPAC				
1345	85	1	407213362		TERMINATOR, ACTIVE SCSI #869576-1 AMP INC.				
1346	86	1	407464742		CONNECTOR, DOUBLE ENDED CABLE CONNECT #EL08MS-04 BLACK BOX				
1347	87	1	407699354		CABLE ASSEMBLY, MODULAR #EL08MS-07 BLACK BOX				
1350	90	1	407472257		FILTER, PLATE #9301173-01 MUPAC				
1360	100	1	407472067		CABLE ASSEMBLY, COMPUTER #9031504-01 MUPAC SCSI - CC TO MU				
1370	110	2	407509959		ENCLOSURE, PANEL COVER #690GZ004-01-31 MUPAC			23	
1380	110	2	407509983		ENCLOSURE, PANEL COVER #690GZ003-01-31 MUPAC			23	
1390	110	16	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			23	
1500	200	1	847637170		ASSEMBLY, SHELF 9322010-01 RCC CONTROL UNIT				
1510	200	1	847641743		KIT, FINAL ASSEMBLY				
1511	200A	1	407606334		ASSEMBLY, SHELF #9322010-02 MUPAC				
1520	200,200A	1	847635430		KIT, UNIT GUIDE				
1525	200A	1	407685080		KIT, GROUND #3564226-01 MUPAC			36	
1550	210	1	107666711	992C	CONNECTOR, PADDLE BOARD CLEI = E5PQAP1AAA WATCH DOG			20	
1551	210A	1	107709156	BMR1	PACK,CIRCUIT, WATCH DOG CLEI = E5ICK00AAA				
1552	210B	1	107870123	BMR1	PACK,CIRCUIT, WATCH DOG CLEI = E5ICK0AA				
1560	220	1	107666729	992D	CONNECTOR, PADDLE BOARD CLEI = E5PQAP2AAA POWER DOG			20	
1561	220A	1	107709172	BMR2	PACK,CIRCUIT, POWER DOG CLEI = E5PQAR3AAA				

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

STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		
							SYM	NBR	
1562	220B	1	107811846	BMR4	PACK,CIRCUIT, 15 AMP DC POWER DOG BOARD CLEI = E5PQATFA				
1570	230	1	107666737	992E	CONNECTOR, PADDLE BOARD CLEI = E5PQAP3AAA A/B SWITCH				20
1571	230A	1	107709180	BMR3	PACK,CIRCUIT, PORT SWITCH CLEI = E5PQAR1AAA				
1572	230B	1	107869778	BMR3	PACK,CIRCUIT, PORT SWITCH BOARD CLEI = E5PQATWAAA				
1580	230	1	107221608	9823BE	CONNECTOR, PADDLE BOARD CLEI = E5PQAP0AAA MEZZANINE				20
1581	230A	1	107709214	BMS1	MODULE, CIRCUIT, MEZZANINE MODULE				
1590	240	1	107666745	992F	CONNECTOR, PADDLE BOARD CLEI = E5PQAP4AAA RS232				20
1591	240A	1	107709230	BMP1	PACK,CIRCUIT, RS232 PADDLEBOARD CLEI = E5PQAR2AAA				
1600	250	1	107666752	992G	CONNECTOR, PADDLE BOARD CLEI = E5PQAP5AAA V.35				20
1601	250A	1	107709248	BMP2	PACK,CIRCUIT, V.35 PSDLEBOARD CLEI = E5ICKG0AAA				
1620	260	1	407476803		BLANK, SPACE FILLER #4031261-07 MUPAC				
1800	300	1	J5D003FJ-1,L157, LCH,LCK,LDB		UNIT, MODULAR, FUSE/FILTER				
1820	300	1	ED5D088-12, G196A,G196B, G196C		LABELS, FUSE				
1821	300	1	847901352		LABEL, CERTIFICATION				
1822	300	1	847674280		LABEL, CE MARK				
1830	310	8	ED5A079-30,G40		FEEDERS, POWER DISTRIBUTION 50 FEET, A BUS - RED, B BUS - BLUE				39 61
1835	310	8	107424897	1187E	FILTER, EMI FILTER				39
1840	310	16	407132257		FUSE, ALARM/INDICATING-PIN/BEAD #WP92955L8 25 AMP NORMAL ACTING				39
1900	350	1	J5D003FH-2,L1, L5,LD,LJ,LN		UNIT, FAN				
1950	400	1	407463645		SHELF, CONTROL #912000050 9INHT, 24INWD, 17INDP DTI				19
2000	410	1	407538214		PACK,CIRCUIT, CPU #912574510 CLEI = E5PQASGA DTI				19
2001	410A	1	407603992		PACK,CIRCUIT, CPU #912594510 DTI				19

STOCKLIST CONTINUED ON SHEET D4

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CABINET

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2002	410B	1	407652627		PACK,CIRCUIT #LBE-7510-200MHZ CLEI = GCPQAWNJ DTI			19
2010	420	4	407463751		MODULE, CENTRAL PROCESSING UNIT #410004025 4.24INWD, 13.3INLG, 1.40INHT CLEI = E5PQARHA DTI 32MB SIMM MODULE			19
2011	420A	2	407604222		MODULE, CPU, PLUG IN #410004048 DTI 64MB SIMM MODULE			19
2012	421	4	407604222		MODULE, CPU, PLUG IN #410004048 DTI			19
2015	422	4	407731827		MODULE, CENTRAL PROCESSING UNIT #410004049 DTI			19
2020	430	1	407538222		PACK,CIRCUIT, SCSI ADAPTER #FM2124 CLEI = E5PQASFA DPT SCSI HOST ADAPTER			19
2030	440	1	407566900		DRIVE, DISK, HARD INTERNAL #ST32140A SEAGATE			19
2031	440A	1	407667419		DRIVE, DISK, HARD INTERNAL #ST52520A SEAGATE			19
2040	450	1	407479757		TAPE, INTERNAL #C1533-00100 HEWLETT PACKARD			19
2050	500	1	407470558		PACK,CIRCUIT, ETHERNET CONTROLLER #NETFLEX-II CLEI = E5PQARFA COMPAQ 10MB			19
2052	505	1	407694579		PACK,CIRCUIT #EILA-8265-F ETHERNET CLEI = GCPQAWPJ INTEL 100MB			19
2055	550	1	407517176		INTERFACE, RS-232 #94950-3 CLEI = E5ICL00A COMTROL			18
2057	551	1	407521624		CORD, ASSEMBLY #23700A78 COMTROL RS232 CONTROLLER TO ROCKETPORT - 78"			18
2062	1	1	847639887		ASSEMBLY, PANEL RS232 DIST. PANEL			
2063	1	4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
2064	553	1	406530907		CABLE, ASSEMBLY #335-3 SHIELDED, NULL MODEM INMAC			39
2065	557	1	407517184		INTERFACE, RS-232 #94100-2 COMTROL ROCKETPORT			18
2067	558	1	407699362		ADAPTER, MALE TO FEMALE #351-1 INMAC ADAPTER DB25 TO RJ45			
2068	559	1	407472182		CABLE ASSEMBLY, JUMPER #9031503-01 MUPAC			

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2070	560	1	407674928		CABLE ASSEMBLY, SIGNAL #EL08MS-MM 5 FT BLACK BOX 5 FEET LONG MUPAC #9031503-05			
2080	600	1	407470376		PACK,CIRCUIT, V.35/SS7 INTERFACE, DUAL P #87-2041-12N CLEI = E5PQASEA ADAX			19
2085	605	1	407470418		PACK,CIRCUIT, V.35/X.25 INTERFACE, DUAL #87-2043-12N CLEI = E5PQASHA ADAX			19
2090	610	1	407575703		ASSEMBLY, WIRING #60056 ADAX 8 FOOT			19
2100	620	1	407593474		CABLE ASSEMBLY, SIGNAL #92592-001 X.25/SS7 V.35 INTERFACE - METRAL			28
2120	1	1	847644515		ASSEMBLY, PANEL X.25/SS7, V.35 DISTRIBUTION			
2125	1	2	847668969		BRACKET, MOUNTING			
2130	1	8	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
2140	630	1	846978104		ASSEMBLY, BRACKET			
2150	630	3	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2			
5000	650	1	847635406		KIT, CABLE POWER DISTRIBUTION			
5001	655	2	407471804		CABLE ASSEMBLY, BATTERY #3564048-01 MUPAC			
5010	700	1	847635414		KIT, CABLE ALARM			
5011	705	2	407472208		CABLE ASSEMBLY, ALARM #3564053-01 MUPAC			
5020	710	1	847727575		KIT, CABLE A-I-NET AUXILIARY MULT			
5050	750	1	406217158		PRINTER, DOT MATRIX #577-17IN 540 CPS-(120V,60MZ) NCR-WICHITA 110VAC, 60HZ			39
5051	751	1	406593152		PRINTER, DOT MATRIX #577-17IN-540CPS-(220V,50HC) NCR-WICHITA 220VAC, 50HZ			39
5060	760	1	407450261		DISPLAY, VIDEO #3415-3401-8090 AT&T GIS			39
5065	760	1	407418326		CONTROLLER, KEYBOARD #2922-7001-000060HZ NCR			39

STOCKLIST CONTINUED ON SHEET D5

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5066	761	1	407633908		KIT, MONITOR SET #3530-4014-7182 SUN RIVER NOW BOUNDLESS TECHNOLOGIES			39
5067	762	1	407450261		DISPLAY, VIDEO #3415-3401-8090 AT&T GIS			39
5068	769	1	407627389		ADAPTER, CONVERTER #H037102 INMAC			39
5070	763	1	ED1S002-11,G23		CABLE, INTERCABINET DB25 TO RJ45, RCU TO LMT			39
5080	767	1	102269636	M25A-87	CORD 50 FT DB25 TO DB25 M/M, TERM TO T SWITCH "A" OR "B"			39
5090	770	1	403644867	MS-3	SPLITTER, MODEM 3 PORT BLACK BOX			39
5110	780	1	406867044		TRANSCEIVER #222289-3 TA AMP INC.			
5120	785	1	407517127		CABLE, ETHERNET #08204 16FTLG INMAC			
5130	790	1	405990169		ADAPTER #4896 ITT POMONA ELECTRONICS			
5140	795	1	407517119		CABLE, COAXIAL #22490C012 22GA, 1FTLG POMONA ELECTRONICS			
5150	800	1	407646876		MODULE, NETWORK TERMINATION UNIT #DC01058			
5160	805	1	407484724		CABLE ASSEMBLY, CORD #EYN737M-0010 BLACK BOX CORP. RJ45 TO RJ45, 10', CROSS CONNECTED, CATEGORY 5 - BACKBONE CABLE			
5165	810	1	847729183		KIT, CABLE A-I-NET HEARTBEAT CABLE			
5166	810A	1	407627397		ASSEMBLY, WIRING #9031548-01 MUPAC HEARTBEAT CABLE			
5170	820	1	407566389		CABLE ASSEMBLY, SIGNAL #86000-001 BERG ELECTRONICS, SENSE CABLE			
5180	830	1	407581578		CABLE ASSEMBLY, SIGNAL #EYN4500050MM BLACK BOX CORP			39
5182	831	1	407732700		CABLE ASSEMBLY, SIGNAL #EYN450X BLACK BOX			39
5190	840	1	J1P158C-2,L1,L5		UNIT, ALARM RELAY			39
5200	845	1	847797560		KIT, FINAL ASSEMBLY			39
7000	A	1	407463686		FILTER, AIR #020002244 CARTRIDGE DTI			39 19
7010	B	1	407348093		TAPE, DATA #92300A HEWLETT PACKARD			39 19
7020	C	1	407463728		MODULE, FILTER #912000057 SCREW IN DTI ONE FRONT FAN CC0 OR CC1			39 19
7030	D	1	407470525		DISK, FLOPPY INTERNAL #990004237 DTI			39 19

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

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
7040	E	1	407463702		FILTER, AIR #020002245 CARTRIDGE DTI			39 19
7050	F	1	407463710		MODULE, POWER #912000051 SNAO ON DTI			39 19
7060	G	1	407463736		FAN, COOLING #912000058 DTI POWER SUPPLY FAN CC0 OR CC1			39 19
7080	J	1	407360197	KS23884L1B	CONTROLLER, FAN 48V			39
7081	M	1	407463009	KS23884L1C	CONTROL, FAN			39
7090	K,AA	1	407277193		FILTER, AIR MECHANICAL #UAF252A1 UNIVERSAL AIR FILTER CO.			39
7100	L	1	406611186	KS23912L2	FAN, COOLING 48V			39
7110	AA	2	407463702		FILTER, AIR #020002245 CARTRIDGE DTI			39 19
7120	AA	2	407463728		MODULE, FILTER #912000057 SCREW IN DTI			39 19
7200	CA	1	472163344	KS22002L53 L53	BAR CODE LABEL FACEPLATE CLEI = E5PQARJAAA			
7205	CB	1	472261635	KS22002L53	BAR CODE LABEL FACEPLATE CLEI = E5PQAVHAAA			
7210	CC	1	472163351	KS22002L53 L53	BAR CODE LABEL FACEPLATE CLEI = E5PQARKAAA			
7215	CD	1	472182286	L53	BAR CODE LABEL #KS22002L53 FACEPLATE CLEI = E5PQASGAAA			
7220	CE	1	472163336	KS22002L53	BAR CODE LABEL FACEPLATE CLEI = E5PQARHAAA			
7225	CF	1	472182278	L53	BAR CODE LABEL #KS22002L53 FACEPLATE CLEI = E5PQASFAAA			
7230	CG	1	472163310	KS22002L53 L53	BAR CODE LABEL FACEPLATE CLEI = E5PQARFAAA			
7235	CH	1	472173244	L53	BAR CODE LABEL #KS22002L53 FACEPLATE CLEI = E5ICL00AAA			
7240	CJ	1	472182260	L53	BAR CODE LABEL #KS22002L53 CLEI = E5PQASEAAA			
7245	CK	1	472182294	L53	BAR CODE LABEL #KS22002L53 FACEPLATE CLEI = E5PQASHAAA			
7250	CL	1	472244516	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = E5PQARJAB			
7255	CM	1	472261643	KS22002L53	BAR CODE LABEL FACEPLATE CLEI = E5PQAVJAAA			

STOCKLIST CONTINUED ON SHEET D6

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ADVANCED NETWORK SERVICES
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CABINET

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DWG SIZE C2 ISSUE 8

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
7260	CN	1	472248848	KS22002L53	BAR CODE LABEL, FACEPLATE CLEI = GCPQAWPJAA			
7265	CP	1	472235589	KS22002L53	BAR CODE LABEL CLEI = GCPQAWNJAA			
7270	CQ	1	472253731	KS22002L53	BAR CODE LABEL CLEI = ESPQAUNAAA			

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

B

BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1, 2 & 3. (SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP		NOTE
CONTROL COMPUTER UNIT (CC0 OR CC1)	400	2	2	CC0 11-000 CC1 19-000	
CABLE BRACKET ASSY	630	2	2	11-000, 19-000	
2.5GB IDE DISK DRIVE	440A	2	2	11-000, 19-000	
8GB SCSI DAT DRIVE	450	2	2	11-000, 19-000	
CENTRAL PROCESSOR UNIT (CPU) BOARD (DA)	410	2	2	11-CPU, 19-CPU	
CENTRAL PROCESSOR UNIT (CPU) BOARD (RELEASE R6 & R7 ONLY)	410A	2	2	11-CPU, 19-CPU	
CENTRAL PROCESSOR UNIT (CPU) BOARD (RELEASE R7.1 & LATER)	410B	2	2	11-CPU, 19-CPU	
128MB DRAM (DA)	420	8	8	11-CPU, 19-CPU FOUR MODULES (32MB) EACH	
128 MB DRAM	420A	2	2	11-CPU, 19-CPU TWO MODULES (64MB) EACH	82
256MB DRAM	421	4	4	11-CPU, 19-CPU FOUR MODULES (64MB) EACH	82
512MB DRAM	422	4	4	11-CPU, 19-CPU FOUR MODULES 128MB EACH	82
RS232 BOARD	550	2	2	11-E04, 19-E04	
RS232 CABLE	551	1	1	11-E04 PORT 0 TO DM 24-00 HOST	
	551	1	1	19-E04 PORT 0 TO DM 24-10 HOST	
SCSI HOST ADAPTER BD 0	430	2	2	11-P0, 19-P0 (SCSI BUS 0)	
SCSI TERMINATOR	85	2	2	11-P0 CONN P10, 19-P0 CONN P10	
SCSI HOST ADAPTER BD 1	430	2	2	11-P1, 19-P1 (SCSI BUS 1)	

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** CONTINUED **

B

BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1, 2 & 3. (SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP		NOTE
SCSI BUS CABLE	100	2	2	11 P0 TO 48-00-IN0 (BUS 0) P1 TO 48-15-IN0 (BUS 1)	
	100	2	2	19 P0 TO 48-00-IN1 (BUS 0) P1 TO 48-15-IN1 (BUS 1)	
RS232 DIST. MODULE	557	2	2	24-00, 24-10	
DB25 TO RJ45 ADAPTER	558	32	32	24-00, 24-10 (0 - 15)	
RS232 CABLE	560	4	4	24-00-00 TO 03 TO 63-006-INA0 TO INA3	
		4	4	24-10-00 TO 03 TO 63-006-INB0 TO INB3	
		4	4	24-00-04 TO 07 TO 63-010-INA0 TO INA3	
		4	4	24-10-04 TO 07 TO 63-010-INB0 TO INB3	
		4	4	24-00-08 TO 11 TO 63-014-INA0 TO INA3	
		4	4	24-10-08 TO 11 TO 63-014-INB0 TO INB3	
		4	4	24-00-12 TO 15 TO 63-018-INA0 TO INA3	
		4	4	24-10-12 TO 15 TO 63-018-INB0 TO INB3	
COOLING UNIT (CU)	350	1	1	39-000	
MEDIA UNIT 0 (MU0)	50	1	1	48-000	
SCSI SWITCH BOARD 0, 1	70A	2	2	48-00, 48-15	
SCSI TERMINATOR	85	4	4	48-J10-0, 48-J12-0, 48-J10-1, 48-J12-1	
SCSI COMMUNICATION CABLE 0	86	1	1	63-004-J4 TO 48-J21-0	
SCSI COMMUNICATION CABLE 1	87	1	1	63-005-J5 TO 48-J21-1	
POWER SUPPLY BOARD 0, 1	80	2	2	48-01, 48-14	
DISK CARRIER 1 - 6	60A	6	6	48-02 - 07 (ID1 - ID6 SCSI BUS 0)	27
DISK CARRIER 1 - 6	60A	6	6	48-08 - 13 (ID6 - ID1 SCSI BUS 1)	27
PLENUM PANELS	110	1	1	55-000	23,71
RELIABLE CLUSTER COMPUTER CONTROL UNIT (RCU)	200A	1	1	63-000 (SEE FIG. N & N1)	72
WATCH DOG BOARD	210B	1	1	63-001	
POWER DOG BOARD 0 - 3	220B	4	4	63-002, 63-003, 63-004, 63-005	
PORT SWITCH BOARD	230B	4	4	63-006, 63-010, 63-014, 63-018	
PADDLE BOARD	240A	4	4	63-006R, 63-010R, 63-014R, 63-018R	
HEARTBEAT CABLE	810A	2	2	63-002-J2 TO 11-000-COM2 63-003-J3 TO 19-000-COM2	

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BT13

ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE C2 ISSUE 8

** CONTINUED **

BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1, 2 & 3. (SEE NOTE 63)				
COMPONENT	GROUP	SCN	SCP	NOTE
SENSE CABLE	820	2	2	63-004 TO 48-J19-0 63-005 TO 48-J19-1
BOARD BLANK PANEL	260	AS REQD		63-000 (ALL UNEQUIPPED SLOTS) 68
-48V MODULAR FUSE FILTER UNIT (MFFU)	300	1	1	68-000
-48V INTRA CABINET POWER DISTRIBUTION KIT (SEE FIG. C) E/W	650	1	1	
CABLE	1	1	1	68-014-A TO 63-002-48VIN
CABLE	1	1	1	68-014-AR TO 11-000-48VRTN
CABLE	1	1	1	68-023-A TO 48-01-J22-0
CABLE	1	1	1	68-023-AR TO 48-01-J22-0
CABLE	1	1	1	68-032-A TO 36-010-010 FAN E
CABLE	1	1	1	68-032-AR TO 36-010-009 FAN E
CABLE	1	1	1	68-041-A TO 36-010-012 FAN F
CABLE	1	1	1	68-041-AR TO 36-010-011 FAN F
CABLE	1	1	1	68-118-A TO 63-003-48VIN
CABLE	1	1	1	68-118-AR TO 19-000-48VRTN
CABLE	1	1	1	68-127-A TO 48-14-J22-1
CABLE	1	1	1	68-127-AR TO 48-14-J22-1
CABLE	1	1	1	68-141-A TO 36-010-014 FAN G
CABLE	1	1	1	68-141-AR TO 36-010-013 FAN G
CABLE	1	1	1	63-002-48VOUT TO 11-000-48VIN
CABLE	1	1	1	63-003-48VOUT TO 19-000-48VIN
CABLE	1	1	1	68-000-PB26 TO 48-J18-0-1
CABLE	1	1	1	68-000-PB44 TO 48-J18-0-2
CABLE	1	1	1	68-026-PB49 TO 48-J18-1-1
CABLE	1	1	1	68-026-PB52 TO 48-J18-1-2
ALARM INTRA CABINET ALARM DISTRIBUTION KIT (SEE FIG. D) E/W	700	1	1	
CABLE	1	1	1	68-098-117 TO 11-000-1+
CABLE	1	1	1	68-098-103 TO 11-000-1-
CABLE	1	1	1	68-098-112 TO 19-000-1+
CABLE	1	1	1	68-098-106 TO 19-000-1-
CABLE	1	1	1	48-J20-0-1 TO 11-000-2+
CABLE	1	1	1	48-J20-0-2 TO 11-000-2-
CABLE	1	1	1	48-J20-1-1 TO 19-000-2+
CABLE	1	1	1	48-J20-1-2 TO 19-000-2-
CABLE	1	1	1	36-004-210 TO 11-000-3-
CABLE	1	1	1	36-004-211 TO 11-000-3+
CABLE	1	1	1	36-004-301 TO 19-000-3+
CABLE	1	1	1	36-004-300 TO 19-001-3-
CABLE	1	1	1	68-098-000 TO BEZEL LED POS 1
CABLE	1	1	1	68-098-001 TO BEZEL LED POS 2
CABLE	1	1	1	36-004-100 TO BEZEL LED POS 4
CABLE	1	1	1	36-004-102 TO BEZEL LED POS 5
AUX MULT CABLE KIT E/W JUMPER ADAPTERS NULL MODEM CABLE	710	1	1	SEE FIG. J AND TABLE M
JUMPER CABLE	559	AS REQD		SEE FIG. J AND TABLE M 73
DOT MATRIX SERIAL PRINTER (110VAC, 60HZ)	750	1	1	82

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BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1, 2 & 3. (SEE NOTE 63)				
COMPONENT	GROUP	SCN	SCP	NOTE
DOT MATRIX SERIAL PRINTER (220VAC, 50HZ)	751	1	1	82
ALARM RELAY UNIT	840	1	1	24-000 83
FINAL ASSEMBLY KIT, ARU	845	1	1	24-000
SPLITTER "A", "B"	770	2	2	CONSOLE 0, CONSOLE 1 75
VIDEO DISPLAY TERMINAL WITH KEYBOARD RELEASE R6 AND EARLIER	760	4	4	CONSOLE 0, CONSOLE 1, LMT, EAI 75
NULL MODEM CONNECTOR RELEASE R6 AND EARLIER	553	1	0	LMT
ASCII TERMINAL RELEASE R7 AND LATER	761	2	2	CONSOLE 0 & 1, LMT & EAI 75
ADAPTER DB9S TO DB25S RELEASE R7 AND LATER	769	4	4	CONSOLE 0 & 1, LMT & EAI
VIDEO DISPLAY RELEASE R7 AND LATER	762	2	2	CONSOLE 0 & 1, LMT & EAI 75
RS232 CABLE		1	1	RCU 63-006-OUT1 TO LMT 76
		1	1	RCU 63-006 OUT2 TO ARU PORT "A" 76
		1	1	RCU 63-010 OUT3 TO MC0 RACK (REMOTE SCCS SCC) 76
RS232 CABLE RELEASE R6		1	0	RCU 63-014-OUT1 TO SFC0 MCTSIO 76
		1	0	RCU 63-014-OUT3 TO CSCC0, SCU0 76
		1	0	RCU 63-014-OUT2 TO CSCC0, SCU2 76
RS232 CABLE		1	1	RCU 63-010-OUT1 TO MC0 RACK (REMOTE SCCS RMT) 76
		1	1	RCU 63-010-OUT2 TO MC0 RACK (REMOTE SCCS SCCCI) 76
RS232 CABLE RELEASE R6		1	1	RCU 63-006-OUT3 TO LOCAL SERIAL PRINTER 76
		1	0	RCU 63-018-OUT1 TO SFC0 MCTSI (MSG) 76
		1	0	RCU 63-018-OUT2 TO CSCC0, SCU1 76
		1	0	RCU 63-018-OUT3 TO CSCC0, SCU3 76
SPLITTER CABLE		1	1	SPLITTER "A" MAST. PORT TO 11-000-COM1 76
SPLITTER CABLE		1	1	SPLITTER "B" MAST. PORT TO 19-000-COM1 76
CONSOLE 0 CABLE		1	1	SPLITTER "A" PORT 2 TO MC0 RACK 76
CONSOLE 0 CABLE		1	1	SPLITTER "A" PORT 3 TO CONSOLE 0 76
CONSOLE 1 CABLE		1	1	SPLITTER "B" PORT 2 TO MC0 RACK 76
CONSOLE 1 CABLE		1	1	SPLITTER "B" PORT 3 TO CONSOLE 1 76
EAI TERMINAL CABLE		1	1	63-002-EAI0 TO MC0 RACK 76

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** CONTINUED **

B

BASE HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS. THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1, 2 & 3. (SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP	NOTE
EAI TERMINAL CABLE		1	1	63-002-EAI1 TO EAI TERMINAL 76
STAMPING FOR SCN E/W SFC & CSCC OR SCP WITH PROG. REL. R6.	SA	1	1	63-000 (SEE FIG. N)
STAMPING FOR SCN E/W AN ATCS CABINET	SB	1	0	63-000 (SEE FIG. N1)
STAMPING FOR SCP WITH PROG. REL. R7 OR LATER	SC	0	1	63-000 (SEE FIG. N1)
SERVICE CHARGE TO PROVIDE WAXED TWINE CABLE LACING.	AB	AS REQD		81
NON-UNITIZED EMC JUNCTIONING KIT	4	1	1	82
UNITIZED EMC JUNCTIONING KIT	5	1	1	82
-48 VOLT POWER FEEDERS FILTERS & FUSES	310	1	1	JOB ASSIGNED 61
AIR FILTER KIT	AA	1	1	ALWAYS REQD FOR NEW SHIPS 64

B1

HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS. THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1,2 & 3. (SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP	EQL	NOTE
ETHERNET BOARD 0	500	2	2	11-E02, 19-E02 (BUS 0)	
ETHERNET CABLE (BUS 0)	785	2	0	11-E02, 19-E02 EN1 TO TRANSCEIVER - FIG. K	
ETHERNET CABLE (BUS 1)	785	2	0	11-E03, 19-E03 EN1 TO TRANSCEIVER - FIG. K	
ETHERNET BOARD 1	500	2	0	11-E03, 19-E03 (BUS 1) (CC INTERFACE BUS)	
ETHERNET BACKBONE CABLE	805	1	1	11-E02-EN2 TO 19-E02-EN2	
ETHERNET TRANSCEIVER	780	4	0	SEE FIG. K	
ETHERNET ADAPTER TEE	790	4	0		
ETHERNET JUMPER CABLE	795	2	0		
ETHERNET TERMINATOR	800	2	0		
ETHERNET CABLE (BUS 0)		1	0	TRANSCEIVER TO CSCC 0 PATCH PANEL	76
ETHERNET CABLE (BUS 1)		1	0	TRANSCEIVER TO CSCC 1 PATCH PANEL	76

B2

HARDWARE COMPONENTS REQUIRED FOR AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT SERVICE NODE (SN) OR SERVICE CONTROL POINT (SCP) APPLICATIONS. THESE COMPONENTS ARE ALWAYS REQUIRED IN ADDITION TO GROUPS 1,2 & 3. (SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP	EQL	NOTE
ETHERNET BOARD 0	500	2	0	11-E01, 19-E01	
	500	0	2	11-E02, 19-E02	
ETHERNET BOARD 1 & 2	505	4	0	11-E02, 11-E03, 19-E02, 19-E03	
ETHERNET CABLE (BUS 0)		2	0	11-E02 TO ATSCO HUB0-53-PORT1 19-E02 TO ATSCO HUB0-53-PORT2	76
ETHERNET CABLE (BUS 1)		2	0	11-E03 TO ATSCO HUB1-56-PORT1 19-E03 TO ATSCO HUB1-56-PORT2	76
ETHERNET BACKBONE CABLE	805	1	0	11-E01-EN2 TO 19-E01-EN2	
	805	0	1	11-E02-EN2 TO 19-E02-EN2	

C

ADDITIONAL BASIC HARDWARE COMPONENTS REQUIRED TO PROVIDE AN ADVANTAGE CONTROL SERVER CABINET (ACSC) WHEN:

A. AN SN IS CONFIGURED WITH A SECOND COMMON SERVICE CIRCUIT CABINET (CSCC1)

B. AN SN IS CONFIGURED WITH AN ADDITIONAL 16 RS232 PORTS (16 - 31)

COMPONENTS LISTED IN THIS TABLE ARE ONLY TO BE ORDERED ONCE - THEY SUPPORT ITEMS "A" OR "B" SEPERATELY OR WHEN REQUIRED TOGETHER. (SEE NOTE 63)

COMPONENT	GROUP	QTY	NOTE
PORT SWITCH BOARD	230A	4	63-022, 63-024, 63-026, 63-028
RS232 PADDLE BOARD	240A	4	63-022R, 63-024R, 63026R, 63-028R
RS232 CABLE	551	1	11-E04-PORT 1 TO DM 24-01-HOST
		1	19-E04-PORT 1 TO DM 24-11-HOST
RS232 DIST. MODULE	557	2	24-01, 24-11
DB25 TO RJ45 ADAPTER	558	32	24-01, 24-11 (0 -15) EACH
RS232 CABLE	560	4	24-01-00 TO 03 TO 63-022-INA0 TO INA3
		4	24-11-00 TO 03 TO 63-022-INB0 TO INB3
		4	24-01-04 TO 07 TO 63-024-INA0 TO INA0
		4	24-11-04 TO 07 TO 63-024-INB0 TO INB3
		4	24-01-08 TO 11 TO 63-026-INA3 TO INA3
		4	24-11-08 TO 11 TO 63-026-INB0 TO INB3
		4	24-01-12 TO 15 TO 63-028-INA0 TO INA3
		4	24-11-12 TO 15 TO 63-028-INB0 TO INB3
RS232 CABLE RELEASE R6		1	RCU 63-022-OUT2 TO CSCC1 SCU2 (RESET) 76
		1	RCU 63-022-OUT3 TO CSCC1 SCU0 (RESET) 76
		1	RCU 63-024-OUT2 TO CSCC1 SCU3 (RESET) 76
		1	RCU 63-024-OUT3 TO CSCC1 SCU1 (RESET) 76
RS232 CABLE		AR	RCU 63-022-OUT1 TO FACILITY 76
		AR	RCU 63-024-OUT0 - OUT1 TO FACILITY 76
		AR	RCU 63-026-OUT0 - OUT3 TO FACILITY 76
		AR	RCU 63-028-OUT0 - OUT3 TO FACILITY 76

D

HARDWARE COMPONENTS REQUIRED TO PROVIDE AN ADVANTAGE CONTROL SERVER CABINET (ACSC) ARRANGED TO SUPPORT A SECOND MEDIA UNIT (MU-1) WHEN:

A. AN SN IS CONFIGURED WITH AN ADVANTAGE TELECOM SERVER CABINET (ATSC0)

B. AN SCP APPLICATION WITH RELEASE R7 OR LATER.

(SEE NOTE 63)

COMPONENT	GROUP	SCN	SCP	EQL	NOTE
MEDIA UNIT 1 (MU1)	50	1	1	55-000	
GROUNDING KIT (MU1)	52	2	2	55-J18-0, 55-J18-1	
SCSI SWITCH BOARD 2, 3	70A	2	2	55-00, 55-15	
POWER SUPPLY BOARD 2, 3	80	2	2	55-01, 55-14	
SCSI TERMINATOR	85	4	4	55-J10-0, 55-J12-0, 55-J10-1, 55-J12-1	
SCSI COMMUNICATION CABLE 2	86	1	1	63-004-J7 TO 55-J21-0	
SCSI COMMUNICATION CABLE 3	87	1	1	63-004-J8 TO 55-J21-1	
POWER DOG BOARD 4, 5	220B	2	2	63-007, 63-009	
SENSE CABLE	820	2	2	63-007 TO 55-J19-0 63-009 TO 55-J19-1	
DISK CARRIER 1 - 6	60A	6	6	55-02 - 07 (ID1 - ID6 SCSI BUS 2)	27
DISK CARRIER 6 - 1	60A	6	6	55-08 - 13 (ID6 - ID1 SCSI BUS 3)	27
POWER DISTRIBUTION SET	655	1	1	68-032-B TO 55-01-J22-0 68-032-BR TO 55-01-J22-0 68-141-B TO 55-14-J22-1 68-141-BR TO 55-14-J22-1	29
ALARM DISTRIBUTION SET	705	1	1	55-J20-0-1 TO 11-000-4+ 55-J20-0-2 TO 11-000-4- 55-J20-1-1 TO 19-000-4+ 55-J20-1-2 TO 19-000-4-	29
SCSI BUS CABLE	100	2	2	11-P2 TO 55-00-IN0 (BUS 2) 11-P3 TO 55-15-IN0 (BUS 3)	
	100	2	2	19-P2 TO 55-00-IN1 (BUS 2) 19-P3 TO 55-15-IN1 (BUS 3)	
SCSI HOST ADAPTER BD 2	430	2	2	11-P2, 19-P2 (SCSI BUS 2)	
SCSI HOST ADAPTER BD 3	430	2	2	11-P3, 19-P3 (SCSI BUS 3)	
SCSI TERMINATOR	85	4	4	11-P2-CONN P10, 19-P2-CONN P1 11-P3-CONN P10, 19-P3-CONN P1	
PLENUM PANELS	110	OMIT	2	55-000	23
COUPLER	51	2	2	55-J18-0, 55-J18-1	

E1

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT FOUR X.25 LINKS (1 - 4) FOR SN OR SCP APPLICATIONS. (SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230A	2	63-023, 63-025	
V.35/X.25 PADDLE BOARD	250A	2	29-00, 33-01	
X.25 CONTROLLER BOARD	605	4	11-05, 11-06, 19-05, 19-06	63
V.35 INTERFACE CABLE	620	2	29-00-J7 TO 63-023 33-01-J7 TO 63-025	28
"Y" INTERFACE CABLE	610	4	11-E05 TO 29-00-INA0 (CONN 0) 29-00-INA1 (CONN 1) 19-E05 TO 29-00-INB0 (CONN 0) 29-00-INB1 (CONN 1) 11-E06 TO 33-01-INA0 (CONN 0) 33-01-INA1 (CONN 1) 19-E06 TO 33-01-INB0 (CONN 0) 33-01-INB1 (CONN 1)	
LINK 1 CABLE	831	4	PP 29-00-OUT0 TO MCO RACK (SMS0)	
LINK 2 CABLE			PP 33-01-OUT0 TO MCO RACK (SMS1)	
LINK 3 CABLE			PP 29-00-OUT1 TO MCO RACK (USER)	
LINK 4 CABLE			PP 33-01-OUT1 TO MCO RACK (USER)	

E2

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTEGE CONTROL SERVER CABINET (ACSC) TO SUPPORT EIGHT X.25 LINKS (1 - 8) FOR SN OR SCP APPLICATIONS. (SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	4	63-023, 63-025, 63-027, 63-029	
V.35/X.25 PADDLE BOARD	250A	4	29-00, 33-01, 29-02, 33-03	
X.25 CONTROLLER BOARD	605	8	11-05, 11-06, 11-07, 11-08, 19-05, 19-06, 19-07, 19-08	63
V.35/X.25 INTERFACE CABLE	620	4	29-00-J7 TO 63-023 33-01-J7 TO 63-025 29-02-J7 TO 63-027 33-03-J7 TO 63-029	28
"Y" INTERFACE CABLE	610	8	11-E05 TO 29-00-INA0 (CONN 0) 29-00-INA1 (CONN 1) 19-E05 TO 29-00-INB0 (CONN 0) 29-00-INB1 (CONN 1) 11-E06 TO 33-01-INA0 (CONN 0) 33-01-INA1 (CONN 1) 19-E06 TO 33-01-INB0 (CONN 0) 33-01-INB1 (CONN 1) 11-E07 TO 29-02-INA0 (CONN 0) 29-02-INA1 (CONN 1) 19-E07 TO 29-02-INB0 (CONN 0) 29-02-INB1 (CONN 1) 11-E08 TO 33-03-INA0 (CONN 0) 33-03-INA1 (CONN 1) 19-E08 TO 33-03-INB0 (CONN 0) 33-03-INB1 (CONN 1)	
LINK 1 CABLE	831	8	PP 29-00-OUT0 TO MCO RACK (SMS0)	
LINK 2 CABLE			PP 33-01-OUT0 TO MCO RACK (SMS1)	
LINK 3 CABLE			PP 29-00-OUT1 TO MCO RACK (USER)	
LINK 4 CABLE			PP 33-01-OUT1 TO MCO RACK (USER)	
LINK 5 CABLE			PP 29-02-OUT0 TO MCO RACK (SEAS0)	
LINK 6 CABLE			PP 33-03-OUT0 TO MCO RACK (SEAS1)	
LINK 7 CABLE			PP 29-02-OUT1 TO MCO RACK (USER)	
LINK 8 CABLE			PP 33-03-OUT1 TO MCO RACK (USER)	

E3

HARDWARE COMPONENTS REQUIRED TO SUPPORT AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT FOUR X.25 LINKS (1 - 4) WHEN/FOR:

- A. THE STAR-SERVER FT4.1 OF AN SN CONFIGURED WITH A SWITCH FABRIC CABINET IS TO BE CONVERTED TO AN ADVANTAGE CONTROL SERVER (ACSC)
 B. THE NEW START OF AN SN CONFIGURED WITH AN ADVANTAGE TELECOM SERVER (ATSC)
 C. THE NEW START OF AN SCP.

(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	2	63-008, 63-012	
V.35/X.25 PADDLE BOARD	250A	2	29-00, 33-01	
X.25 CONTROLLER BOARD	605	4	11-05, 11-06, 19-05, 19-06	63
V.35 INTERFACE CABLE	620	2	29-00-J7 TO 63-008 33-01-J7 TO 63-012	28
"Y" INTERFACE CABLE	610	4	11-E05 TO 29-00-INA0 (CONN 0) 29-00-INA1 (CONN 1) 19-E05 TO 29-00-INB0 (CONN 0) 29-00-INB1 (CONN 1) 11-E06 TO 33-01-INA0 (CONN 0) 33-01-INA1 (CONN 1) 19-E06 TO 33-01-INB0 (CONN 0) 33-01-INB1 (CONN 1)	
LINK 1 CABLE	831	4	PP 29-00-OUT0 TO MCO RACK (SMS0)	
LINK 2 CABLE			PP 33-01-OUT0 TO MCO RACK (SMS1)	
LINK 3 CABLE			PP 29-00-OUT1 TO MCO RACK (USER)	
LINK 4 CABLE			PP 33-01-OUT1 TO MCO RACK (USER)	

E4

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTEGE CONTROL SERVER CABINET (ACSC) TO SUPPORT EIGHT X.25 LINKS (1 - 8) WHEN/FOR:

- A. THE STAR-SERVER FT4.1 OF AN SN CONFIGURED WITH A SWITCH FABRIC CABINET IS TO BE CONVERTED TO AN ADVANTAGE CONTROL SERVER (ACSC).
 B. THE NEW START OF AN SN CONFIGURED WITH AN ADVANTAGE TELECOM SERVER (ATSC).
 C. THE NEW START OF AN SCP.

(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	4	63-008, 63-012, 63-016, 63-020	
V.35/X.25 PADDLE BOARD	250A	4	29-00, 33-01, 29-02, 33-03	
X.25 CONTROLLER BOARD	605	8	11-05, 11-06, 11-07, 11-08, 19-05, 19-06, 19-07, 19-08	63
V.35/X.25 INTERFACE CABLE	620	4	29-00-J7 TO 63-008 33-01-J7 TO 63-012 29-02-J7 TO 63-016 33-03-J7 TO 63-020	28
"Y" INTERFACE CABLE	610	8	11-E05 TO 29-00-INA0 (CONN 0) 29-00-INA1 (CONN 1) 19-E05 TO 29-00-INB0 (CONN 0) 29-00-INB1 (CONN 1) 11-E06 TO 33-01-INA0 (CONN 0) 33-01-INA1 (CONN 1) 19-E06 TO 33-01-INB0 (CONN 0) 33-01-INB1 (CONN 1) 11-E07 TO 29-02-INA0 (CONN 0) 29-02-INA1 (CONN 1) 19-E07 TO 29-02-INB0 (CONN 0) 29-02-INB1 (CONN 1) 11-E08 TO 33-03-INA0 (CONN 0) 33-03-INA1 (CONN 1) 19-E08 TO 33-03-INB0 (CONN 0) 33-03-INB1 (CONN 1)	
LINK 1 CABLE	831	8	PP 29-00-OUT0 TO MCO RACK (SMS0)	
LINK 2 CABLE			PP 33-01-OUT0 TO MCO RACK (SMS1)	
LINK 3 CABLE			PP 29-00-OUT1 TO MCO RACK (USER)	
LINK 4 CABLE			PP 33-01-OUT1 TO MCO RACK (USER)	
LINK 5 CABLE			PP 29-02-OUT0 TO MCO RACK (SEAS0)	
LINK 6 CABLE			PP 33-03-OUT0 TO MCO RACK (SEAS1)	
LINK 7 CABLE			PP 29-02-OUT1 TO MCO RACK (USER)	
LINK 8 CABLE			PP 33-03-OUT1 TO MCO RACK (USER)	

F1

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT TWO SS7 LINKS (1 & 2). SN AND SCP APPLICATIONS.
 (SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230A	1	63-008	
V.35/SS7 PADDLE BOARD	250A	1	29-04	
SS7 CONTROLLER BOARD	600	2	11-09, 19-09	63
V.35 INTERFACE CABLE	620	1	29-04-J7 TO 63-008	28
"Y" INTERFACE CABLE	610	2	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INA1 (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1)	
LINK 1 CABLE	831	2	PP 29-04-OUT0 TO MCO RACK (SS7 LINK 1)	
LINK 2 CABLE			PP 29-04-OUT1 TO MCO RACK (SS7 LINK 2)	

F2

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT FOUR SS7 LINKS (1 - 4). SN OR SCP APPLICATIONS.
 (SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230A	2	63-008, 63-012	
V.35/SS7 PADDLE BOARD	250A	2	29-04, 33-05	
SS7 CONTROLLER BOARD	600	4	11-09, 19-09, 11-10, 19-10	63
V.35 INTERFACE CABLE	620	2	29-04-J7 TO 63-008 33-05-J7 TO 63-012	28
"Y" INTERFACE CABLE	610	4	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INA1 (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1) 11-E10 TO 33-05-INA0 (CONN 0) 33-05-INA1 (CONN 1) 19-E10 TO 33-05-INB0 (CONN 0) 33-05-INB1 (CONN 1)	
LINK 1 CABLE	831	4	PP 29-04-OUT0 TO MCO RACK (SS7 LINK 1)	
LINK 2 CABLE			PP 33-05-OUT0 TO MCO RACK (SS7 LINK 2)	
LINK 3 CABLE			PP 29-04-OUT1 TO MCO RACK (SS7 LINK 3)	
LINK 4 CABLE			PP 33-05-OUT1 TO MCO RACK (SS7 LINK 4)	

F3

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT EIGHT SS7 LINKS (1 - 8). SCP APPLICATIONS ONLY.
(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230A	4	63-008, 63-012, 63-016, 63-020	
V.35/SS7 PADDLE BOARD	250A	4	29-04, 33-05, 29-06, 33-07	
SS7 CONTROLLER BOARD	600	8	11-09, 11-10, 11-11, 11-12 19-09, 19-10, 19-11, 19-12	63
V.35/SS7 INTERFACE CABLE	620	4	29-04-J7 TO 63-008 33-05-J7 TO 63-012 29-06-J7 TO 63-016 33-07-J7 TO 63-020	28
"Y" INTERFACE CABLE	610	8	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INAL (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1) 11-E10 TO 33-05-INA0 (CONN 0) 33-05-INAL (CONN 1) 19-E10 TO 33-05-INB0 (CONN 0) 33-05-INB1 (CONN 1) 11-E11 TO 29-06-INA0 (CONN 0) 29-06-INAL (CONN 1) 19-E11 TO 29-06-INB0 (CONN 0) 29-06-INB1 (CONN 1) 11-E12 TO 33-07-INA0 (CONN 0) 33-07-INAL (CONN 1) 19-E12 TO 33-07-INB0 (CONN 0) 33-07-INB1 (CONN 1)	
LINK 1 CABLE LINK 2 CABLE LINK 3 CABLE LINK 4 CABLE LINK 5 CABLE LINK 6 CABLE LINK 7 CABLE LINK 8 CABLE	831	8	PP 29-04-OUT0 TO MC0 RACK (SS7 LINK 1) PP 33-05-OUT0 TO MC0 RACK (SS7 LINK 2) PP 29-04-OUT1 TO MC0 RACK (SS7 LINK 3) PP 33-05-OUT1 TO MC0 RACK (SS7 LINK 4) PP 29-06-OUT0 TO MC0 RACK (SS7 LINK 5) PP 33-07-OUT0 TO MC0 RACK (SS7 LINK 6) PP 29-06-OUT1 TO MC0 RACK (SS7 LINK 7) PP 33-07-OUT1 TO MC0 RACK (SS7 LINK 8)	

F4

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT TWO SS7 LINKS (1 & 2) WHEN/FOR:

A. THE STAR-SERVER FT4.1 OF AN SN CONFIGURED WITH A SWITCH FABRIC CABINET IS TO BE CONVERTED TO AN ADVANTAGE CONTROL SERVER (ACSC).

B. THE NEW START OF AN SN CONFIGURED WITH AN ADVANTAGE TELECOM SERVER (ATSC).

C. THE NEW START OF AN SCP.

(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	1	63-024	
V.35/SS7 PADDLE BOARD	250A	1	29-04	
SS7 CONTROLLER BOARD	600	2	11-09, 19-09	63
V.35 INTERFACE CABLE	620	1	29-04-J7 TO 63-024	28
"Y" INTERFACE CABLE	610	2	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INAL (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1)	
LINK 1 CABLE LINK 2 CABLE	831	2	PP 29-04-OUT0 TO MC0 RACK (SS7 LINK 1) PP 29-04-OUT1 TO MC0 RACK (SS7 LINK 2)	

F5

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT FOUR SS7 LINKS (1 - 4) FOR ANY GROWTH SERVICE CIRCUIT

A. THE STAR-SERVER FT4.1 OF AN SN CONFIGURED WITH A SWITCH FABRIC CABINET IS TO BE CONVERTED TO AN ADVANTAGE CONTROL SERVER (ACSC).

B. THE NEW START OF AN SN CONFIGURED WITH AN ADVANTAGE TELECOM SERVER (ATSC).

C. THE NEW START OF AN SCP.

(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	2	63-024, 63-026	
V.35/SS7 PADDLE BOARD	250A	2	29-04, 33-05	
SS7 CONTROLLER BOARD	600	4	11-09, 19-09, 11-10, 19-10	63
V.35 INTERFACE CABLE	620	2	29-04-J7 TO 63-024 33-05-J7 TO 63-026	28
"Y" INTERFACE CABLE	610	4	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INAL (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1) 11-E10 TO 33-05-INA0 (CONN 0) 33-05-INAL (CONN 1) 19-E10 TO 33-05-INB0 (CONN 0) 33-05-INB1 (CONN 1)	
LINK 1 CABLE LINK 2 CABLE LINK 3 CABLE LINK 4 CABLE	831	4	PP 29-04-OUT0 TO MC0 RACK (SS7 LINK 1) PP 33-05-OUT0 TO MC0 RACK (SS7 LINK 2) PP 29-04-OUT1 TO MC0 RACK (SS7 LINK 3) PP 33-05-OUT1 TO MC0 RACK (SS7 LINK 4)	

F6

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) TO SUPPORT EIGHT SS7 LINKS (1 - 8). SCP APPLICATIONS ONLY.
(SEE NOTE 63)

COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD E/W A MEZZANINE BOARD	230B	4	63-024, 63-026, 63-027, 63-029	
V.35/SS7 PADDLE BOARD	250A	4	29-04, 33-05, 29-06, 33-07	
SS7 CONTROLLER BOARD	600	8	11-09, 11-10, 11-11, 11-12 19-09, 19-10, 19-11, 19-12	63
V.35/SS7 INTERFACE CABLE	620	4	29-04-J7 TO 63-024 33-05-J7 TO 63-026 29-06-J7 TO 63-027 33-07-J7 TO 63-029	28
"Y" INTERFACE CABLE	610	8	11-E09 TO 29-04-INA0 (CONN 0) 29-04-INAL (CONN 1) 19-E09 TO 29-04-INB0 (CONN 0) 29-04-INB1 (CONN 1) 11-E10 TO 33-05-INA0 (CONN 0) 33-05-INAL (CONN 1) 19-E10 TO 33-05-INB0 (CONN 0) 33-05-INB1 (CONN 1) 11-E11 TO 29-06-INA0 (CONN 0) 29-06-INAL (CONN 1) 19-E11 TO 29-06-INB0 (CONN 0) 29-06-INB1 (CONN 1) 11-E12 TO 33-07-INA0 (CONN 0) 33-07-INAL (CONN 1) 19-E12 TO 33-07-INB0 (CONN 0) 33-07-INB1 (CONN 1)	
LINK 1 CABLE LINK 2 CABLE LINK 3 CABLE LINK 4 CABLE LINK 5 CABLE LINK 6 CABLE LINK 7 CABLE LINK 8 CABLE	831	8	PP 29-04-OUT0 TO MC0 RACK (SS7 LINK 1) PP 33-05-OUT0 TO MC0 RACK (SS7 LINK 2) PP 29-04-OUT1 TO MC0 RACK (SS7 LINK 3) PP 33-05-OUT1 TO MC0 RACK (SS7 LINK 4) PP 29-06-OUT0 TO MC0 RACK (SS7 LINK 5) PP 33-07-OUT0 TO MC0 RACK (SS7 LINK 6) PP 29-06-OUT1 TO MC0 RACK (SS7 LINK 7) PP 33-07-OUT1 TO MC0 RACK (SS7 LINK 8)	

G1

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACSC) WITH AN ADDITIONAL SIXTEEN RS232 PORTS (16 - 31). SCP APPLICATIONS ONLY. (SEE NOTE 63)				
COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD	230A	4	63-022, 63-024, 63-026, 63-028	
RS232 PADDLE BOARD	240A	4	63-022R, 63-024R, 63-026R, 63-028	
DB25 TO RJ45 ADAPTER	558	32	24-01, 24-11 (0 - 15)	
RS232 CABLE	560	4	24-01-00 TO 24-01-03 TO 63-022-INA0 TO 63-022-INA3	
RS232 CABLE	560	4	24-11-00 TO 24-11-03 TO 63-022-INB0 TO 63-022-INB3	
RS232 CABLE	560	4	24-01-04 TO 24-01-07 TO 63-024-INA0 TO 63-024-INA3	
RS232 CABLE	560	4	24-11-04 TO 24-11-07 TO 63-024-INB0 TO 63-024-INB3	
RS232 CABLE	560	4	24-01-08 TO 24-01-11 TO 63-026-INA0 TO 63-026-INA3	
RS232 CABLE	560	4	24-11-08 TO 25-11-11 TO 63-026-INB0 TO 63-026-INB3	
RS232 CABLE	560	4	24-01-12 TO 24-01-15 TO 63-028-INA0 TO 63-028-INB3	
RS232 CABLE	560	4	24-11-12 TO 24-11-15 TO 63-028-INB0 TO 63-028-INB3	
RS232 CABLE		AR	RCU 63-022-OUT1 - OUT3 TO FACILITY	76
		AR	RCU 63-024-OUT0 - OUT3 TO FACILITY	76
		AR	RCU 63-026-OUT0 - OUT3 TO FACILITY	76
		AR	RCU 63-028-OUT0 - OUT3 TO FACILITY	76

G2

HARDWARE COMPONENTS REQUIRED TO EQUIP AN ADVANTAGE CONTROL SERVER CABINET (ACDC) WITH AN ADDITIONAL EIGHT RS232 PORTS (16 - 23). SCP APPLICATIONS ONLY. (SEE NOTE 63)				
COMPONENT	GROUP	QTY	EQUIPMENT LOCATIONS	NOTE
PORT SWITCH BOARD	230B	2	63-022, 63-028	
RS232 PADDLE BOARD	240A	2	63-022R, 63-028R	
DB25 TO RJ45 ADAPTER	558	16	24-01, 24-11 (0 - 7)	
RS232 CABLE	560	4	24-01-00 TO 24-01-03 TO 63-022-INA0 TO 63-022-INA3	
RS232 CABLE	560	4	24-11-00 TO 24-11-03 TO 63-022-INB0 TO 63-022-INB3	
RS232 CABLE	560	4	24-01-04 TO 24-01-07 TO 63-028-INA0 TO 63-028-INB3	
RS232 CABLE	560	4	24-11-04 TO 24-11-07 TO 63-028-INB0 TO 63-028-INB3	
RS232 CABLE		AR	RCU 63-022-OUT1 - OUT3 TO FACILITY	76
		AR	RCU 63-028-OUT0 - OUT3 TO FACILITY	76

RS

LIST OF RECOMMENDED SPARES (SEE NOTE 69)								
UNIT	ITEM	GROUP	COMCODE	QUANTITY		REMARKS		
				SCN	SCP			
CONTROL COMPUTER	CPU CKT PACK, 150MHZ (DA)	410	407538214	1	1	TO BE OBTAINED FROM DTI (SEE NOTE 19)		
	CPU CKT PACK, 166MHZ (LA)	410A	407603992	1	1			
	CPU CKT PACK, 200MHZ	410B	407652627	1	1			
	SIMM MODULE, 32MB (DA)	420	407463751	1	1			
	SIMM MODULE, 64MB	420A	407604222	1	1			
		421	407604222	1	1			
	SCSI CONTROLLER CKT PACK	430	407538222	1	1			
	2GB IDE DISK DRIVE	440	407566900	1	1			
	2.5GB IDE DISK DRIVE	440A	407667419	1	1			
	8GB SCSI DAT TAPE DRIVE	450	407479757	1	1			
	ETHERNET CONTROLLER	500	407470558	1	1			
	RS232 CONTROLLER	550	407517176	1	1			
	V.35/SS7 INTERFACE CPS	600	407470376	1	1			
	V.35/X.25 INTERFACE CPS	605	407470418	1	1			
	FAN, MAIN FRONT, INDIV.	C	407463728	1	1			
	FAN, PWR SUPPLY, REAR	G	407463736	1	1			
	3.5" FLOPPY DISK DRIVE	D	407463525	1	1			
	POWER MODULE	F	477463710	1	1			
	RS232 DIST PANEL	RS232 ADAPTER RJ45 TO DB25	558	407225614	1		1	TO BE OBTAINED FROM MUPAC (SEE NOTE 54)
	COOLING UNIT	CONTROLLER (DA)	J	407360197	1		1	
CONTROLLER		M	407463009	1	1			
FAN		L	406611186	1	1			
MEDIA UNIT	SHUTTLE PACK E/W SCSI DISK UNIT (LA)	60	407474899	1	1			
	SCHUTTLE PACK E/W SCSI DISK UNIT	60A	407670850	1	1			
	SCSI SWITCH CIRCUIT PACK	70A	407666510	1	1			
	POWER SUPPLY CIRCUIT PACK	80	407474865	1	1			
RCC UNIT	WATCH DOG PADDLE BD (DA)	210A	107709156	1	1			
	WATCH DOG PADDLE BD	210B	107870123	1	1			
	POWER DOG CIRCUIT PACK	220B	107811846	1	1			
	PORT SWITCH CKT PK (DA)	230A	107709180	1	1			
	PORT SWITCH CKT PK	230B	107869778	1	1			
	RS232 PADDLE BOARD	240A	107709230	1	1			
	SS7/X.25 PADDLE BOARD	250A	107709248	1	1			
MISC.	SCSI BUS TERMINATOR	85	407613362	1	1			
	ETHERNET BUS TERMINATOR	800	406685768	1	1			

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BT13

ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE
C2

ISSUE
8

ED1S015-60

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MS

LIST OF MAINTENANCE SPARES - CONSUMPTION ITEMS, NOT FROM SPARES AND EXCHANGE				
UNIT	ITEM	GROUP	COMCODE	REMARKS
CONTROL COMPUTER	AIR FILTER, MAIN FRONT	A	407463686	QUANTITIES TO BE DETERMINED BY LOCAL NEEDS
	AIR FILTER, PWR SUPL REAR	E	407463702	
	TAPE CARTRIDGE, BLANK	B	407348093	
COOLING UNIT	AIR FILTER	K	407277193	

TABLE JJ

TABLE JJ STOCKLIST ORDERING COMCODES TO INDIVIDUAL/SINGULAR COMCODES CROSS REFERENCE		
STOCKLIST ORDERING COMCODE	INDIVIDUAL/ SINGULAR COMCODE	COMMENTS
406663971	406747501	WP91768,L104 .50 AMP - FAST ACTING FUSE
406599308	406747519	WP92458,L2 1.25 AMP - VERY FAST ACTING FUSE
406708545	406747527	WP91768,L107 2 AMP - FAST ACTING FUSE
406693895	406747535	WP91768,L108 3 AMP - FAST ACTING FUSE
406693887	406747543	WP91768,L110 5 AMP - FAST ACTING FUSE
406693903	406747550	WP91768,L112 7 AMP - FAST ACTING FUSE
406599324	406747568	WP92458,L11 10 AMP - VERY FAST ACTING FUSE
406599332	406747576	WP92458,L12 12 AMP - VERY FAST ACTING FUSE
406599357	406808469	WP92458,L13 15 AMP - VERY FAST ACTING FUSE
406759050	406808477	WP92458,L14 20 AMP - VERY FAST ACTING FUSE
407132257	407310374	WP92955,L8 25 AMP - NORMAL ACTING FUSE

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ADVANCED NETWORK SERVICES
SPECIFICATION FOR
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS
ADVANTAGE CONTROL SERVER
CABINET

DWG SIZE
C2

ISSUE
8

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OF 44

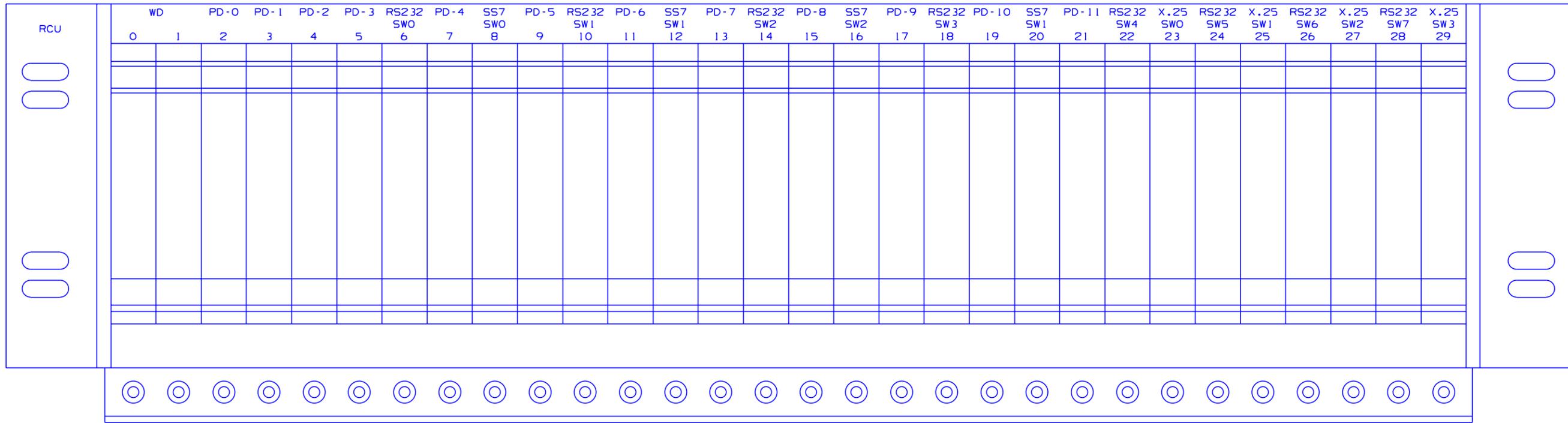
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TABLE M1 FOR ANY SERVICE CIRCUIT NODE (SCN) EQUIPPED WITH A SFC & CSCC OR A SERVICE CONTROL POINT (SCP) WITH PROGRAM RELEASE R6.

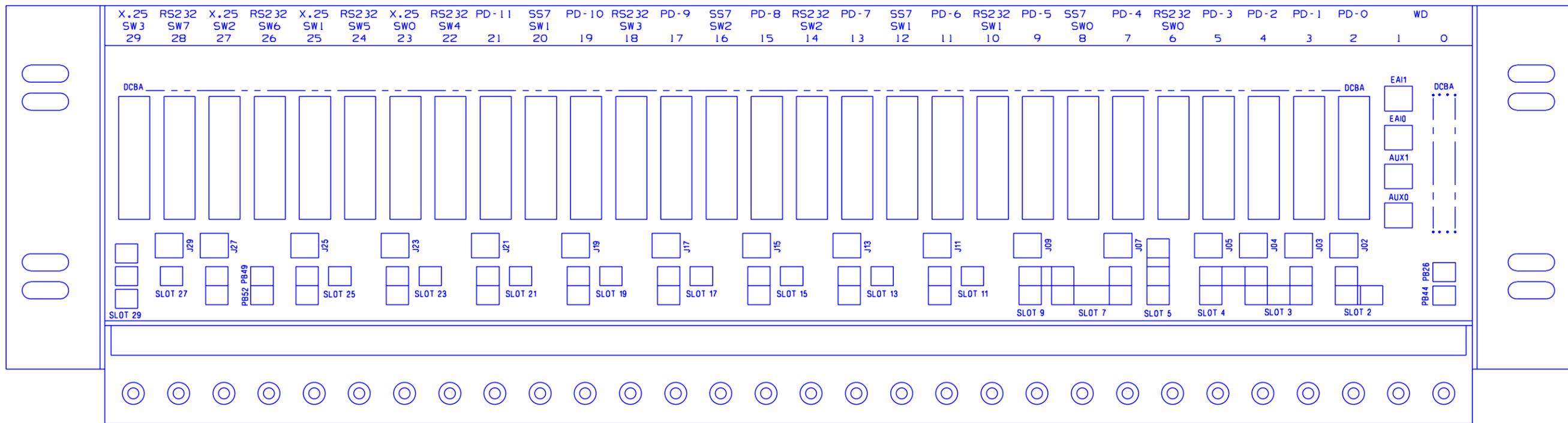
AUXILIARY MULTIPLE																		
APPLICATION	X.25		X.25		SS7		SS7		RS232									
EQUIPMENT LOCATION	33-01	29-00	33-03	29-02	33-05	29-04	33-07	29-06	028	026	024	022	018	014	010	006	001	
AUXILIARY PORT NUMBER	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
LINK NUMBER	0&1	2&3	*	2&3	4&5	6&7	4&5	6&7	28-31	24-27	20-23	16-19	12-15	8-11	4-7	0-3		
ACSC ONLY														X-X	X-X	X-X	X	X
													X		NULL		X	
ACSC E/W 4 X.25	X-X	X											X	X-X	X-X	X-X	X	X
	X							NULL									X	
ACSC E/W 4 X.25 & 2 SS7	X-X	X				X	X						X	X-X	X-X	X-X	X	X
	X							NULL									X	
ACSC E/W 4 X.25 & 4 SS7	X-X	X			X	X-X	X						X	X-X	X-X	X-X	X	X
	X							NULL									X	
ACSC E/W 8 X.25 & 4 SS7	X-X	X			X	X-X	X						X	X-X	X-X	X-X	X	X
	X			X														
			X-X															
ACSC E/W 8 X.25 & 8 SS7	X-X		X-X		X-X	X							X	X-X	X-X	X-X	X	X
	X			X	X				X	X-X								
		X							X	X-X								
			X					NULL									X	
ACSC E/W 8 X.25 & 8 SS7 & 16 ADDITIONAL RS232	X-X		X-X		X-X	X			X	X-X	X-X	X-X	X-X	X-X	X-X	X-X	X	X
	X			X	X				X									
		X							X	X-X								
			X					NULL									X	

TABLE M2 FOR ANY CONVERSION SERVICE CIRCUIT NODE (SCN) EQUIPPED WITH A SFC & CSCC OR SCN EQUIPPED WITH AN ADVANTAGE CONTROL SERVER OR A SERVICE CONTROL POINT (SCP) WITH PROGRAM RELEASE R7 OR LATER.

AUXILIARY MULTIPLE																		
APPLICATION	SS7		SS7		X.25		X.25		RS232									
EQUIPMENT LOCATION	33-05	29-04	33-07	29-06	33-01	29-00	33-03	29-02	028	022	018	014	010	006	001			
AUXILIARY PORT NUMBER	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
LINK NUMBER	0&1	2&3	*	2&3	4&5	6&7	4&5	6&7	28-31	16-19	12-15	8-11	4-7	0-3				
ACSC ONLY												X-X	X-X	X-X	X		X	
											X		NULL			X		
ACSC E/W 4 X.25					X-X	X					X	X-X	X-X	X-X	X	X		
					X			NULL								X		
ACSC E/W 4 X.25 & 2 SS7		X			X	X-X	X				X	X-X	X-X	X-X	X	X		
		X						NULL								X		
ACSC E/W 4 X.25 & 4 SS7	X-X	X			X	X-X	X				X	X-X	X-X	X-X	X	X		
	X							NULL								X		
ACSC E/W 8 X.25 & 4 SS7	X-X				X-X	X					X	X-X	X-X	X-X	X	X		
				X														
		X					X	X-X										
	X							NULL								X		
ACSC E/W 8 X.25 & 8 SS7	X-X		X-X		X-X	X					X	X-X	X-X	X-X	X	X		
	X			X	X				X									
		X							X	X-X								
			X					NULL								X		
ACSC E/W 8 X.25 & 8 SS7 & 16 ADDITIONAL RS232	X-X		X-X		X-X	X			X	X-X	X-X	X-X	X-X	X-X	X-X	X	X	
	X			X	X				X									
		X							X	X-X								
			X					NULL								X		



FRONT VIEW



REAR VIEW

FIG. N (DA)

RCC CONTROL UNIT (RCU)

(SERVICE CIRCUIT NODE (SCN) EQUIPPED WITH A SFC AND CSCC OR SERVICE CONTROL POINT WITH PROGRAM RELEASE 6)

(STAMPED PER LIST 5A)

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ADVANTAGE CONTROL SERVER CABINET

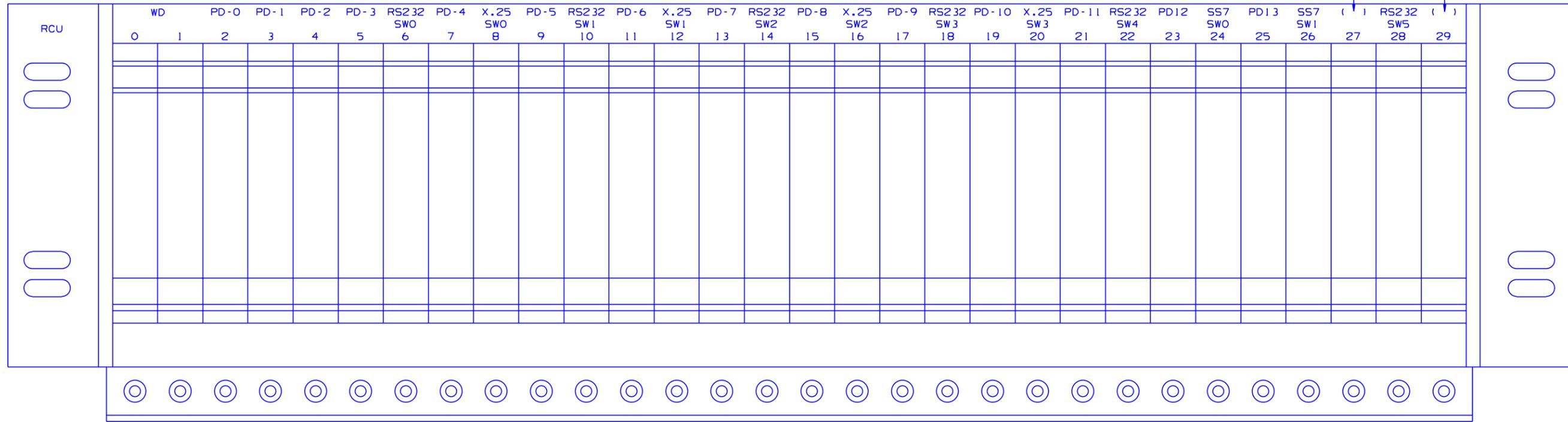
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ISSUE 3

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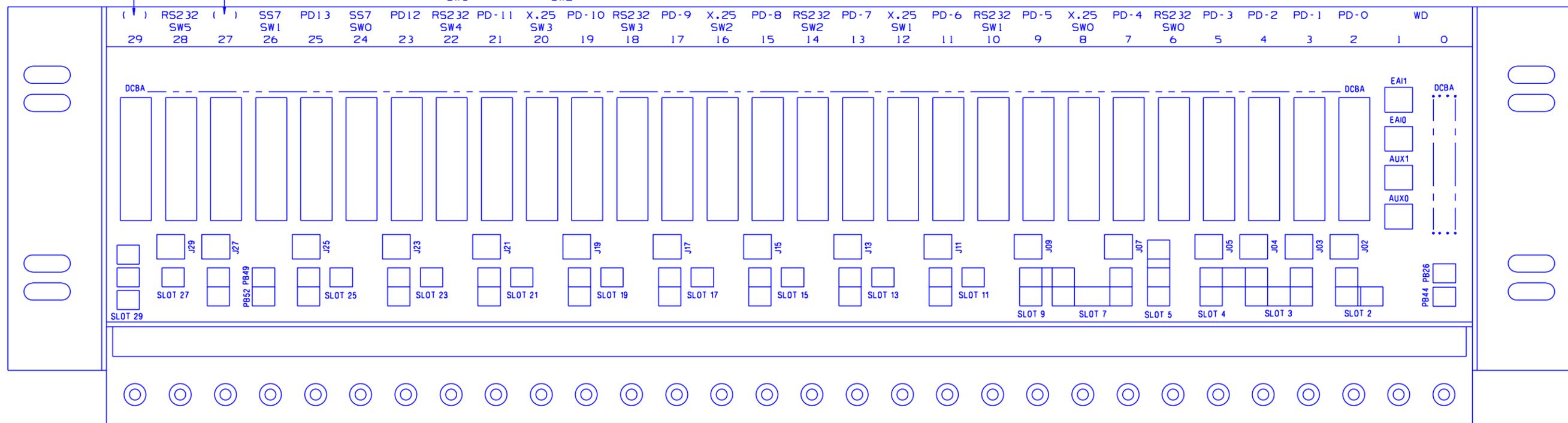
SHEET E2

LIST SB STAMP POS 27 "PD14", POS 29 "PD15"
 LIST SC STAMP POS 27 "SS7", POS 29 "SS7"
 SW2 SW3



FRONT VIEW

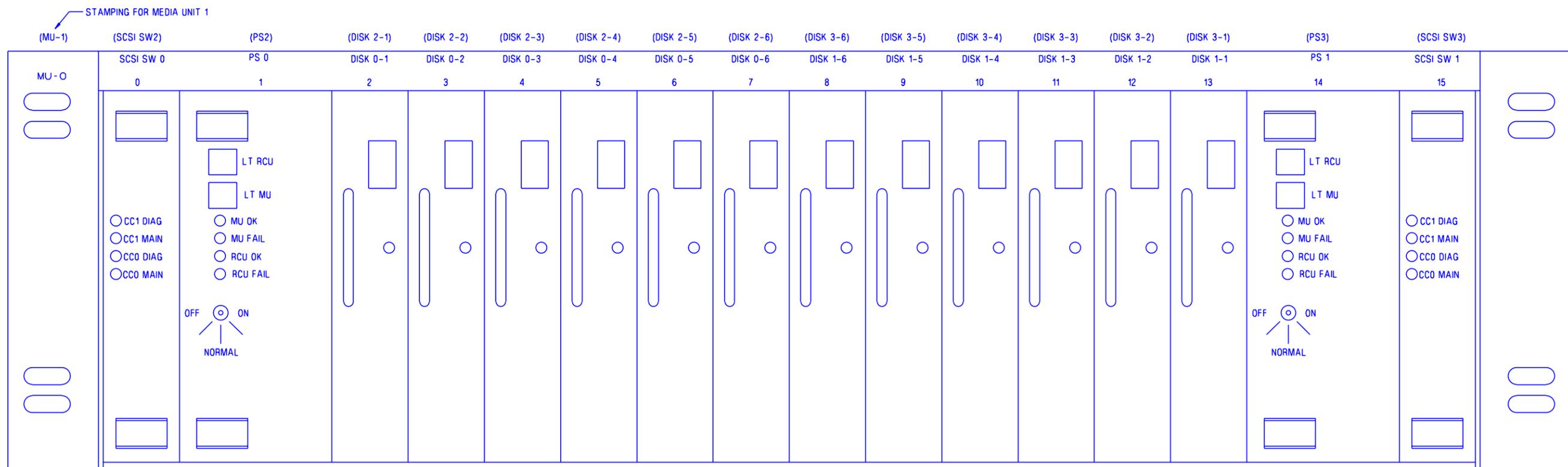
LIST SB STAMP POS 29 "PD15", POS 27 "PD14"
 LIST SC STAMP POS 29 "SS7", POS 27 "SS7"
 SW3 SW2



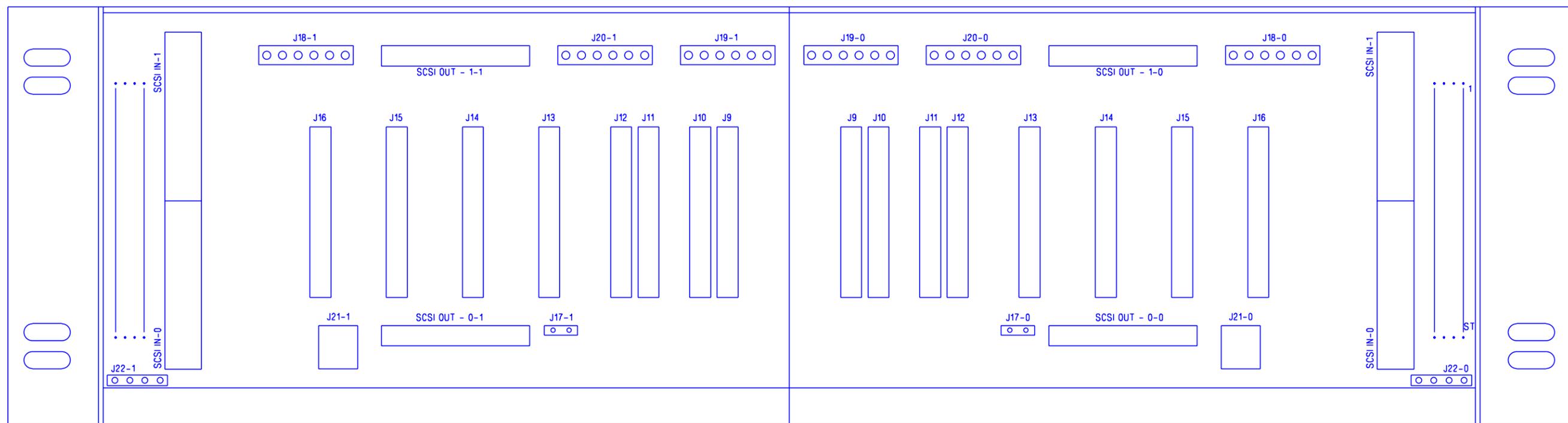
REAR VIEW

FIG. N
 RCC CONTROL UNIT
 (RCU)

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ADVANTAGE CONTROL SERVER CABINET	DWG SIZE	ISSUE
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FRONT VIEW



REAR VIEW

FIG. P
MEDIA UNIT
(MU)

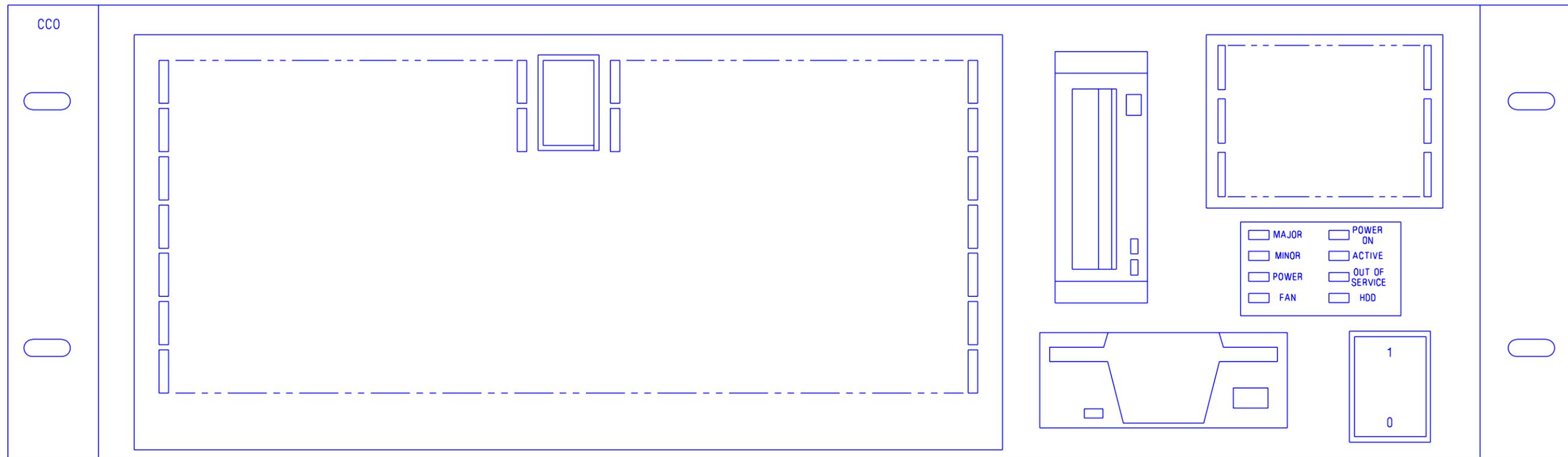
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ADVANTAGE
CONTROL SERVER
CABINET

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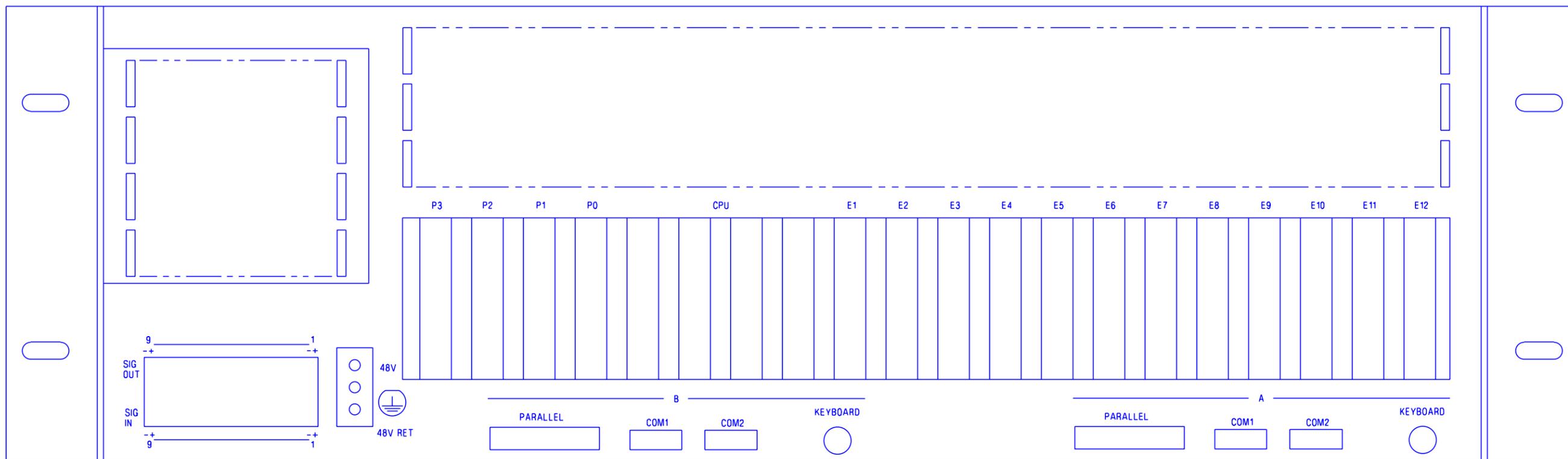
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FRONT VIEW

FIG. Q
CONTROL COMPUTER
UNIT



REAR VIEW

FIG. Q (CONT)
CONTROL COMPUTER
UNIT

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