## SHEET INDEX

| CONTENTS | | SHEET NO. | SHEET ISSUE |
|---|---|---|---|
| SHEET INDEX<br>SHEET INDEX NOTES<br>SUPPORTING INFORMATION<br>OPTION INDEX | | A1 | 2 |
| | | | |
| AS 1 | SYSTEM INTERCONNECTIONS | B1 | 2 |
| AS 1A | SYSTEM INTERCONNECTIONS | B2 | 2 |
| AS 2 | CONTROL COMPUTER CC-0 & CC-1 | B3 | 2 |
| AS 2A | CONTROL COMPUTER CC-0 & CC-1 | B4 | 2 |
| AS 3 | COOLING UNIT | B5 | 2 |
| AS 4 | MEDIA UNIT (MU) | B6 | 2 |
| AS 5 | MODULAR FUSE/FILTER UNIT (MFFU) | B7 | 2 |
| AS 6 | RCC CONTROL UNIT (RCU) | B8 | 2 |
| AS 6A | RCC CONTROL UNIT (RCU) | B9 | 2 |
| AS 7 | ACSC INTRA-CABINET ALARMING | B10 | 2 |
| AS 8A | ACSC INTRA-CABINET AUXILIARY MULT | B11 | 2 |
| AS 8AA | ACSC INTRA-CABINET AUXILIARY MULT | B12 | 2 |
| AS 8B | ACSC INTRA-CABINET AUXILIARY MULT | B13 | 2 |
| AS 8BA | ACSC INTRA-CABINET AUXILIARY MULT | B14 | 2 |
| AS 8C | ACSC INTRA-CABINET AUXILIARY MULT | B15 | 2 |
| AS 8CA | ACSC INTRA-CABINET AUXILIARY MULT | B16 | 2 |
| AS 8D | ACSC INTRA-CABINET AUXILIARY MULT | B17 | 2 |
| AS 8DA | ACSC INTRA-CABINET AUXILIARY MULT | B18 | 2 |
| AS 8E | ACSC INTRA-CABINET AUXILIARY MULT | B19 | 2 |
| AS 8EA | ACSC INTRA-CABINET AUXILIARY MULT | B20 | 2 |
| AS 9 | ACSC INTRA-CABINET SCSI INTERFACE | B21 | 2 |
| AS 10 | ACSC INTRA-CABINET POWER | B22 | 2 |
| AS 11 | DSU/MODEM INTERFACE | B23 | 2 |
| AS 11A | DSU/MODEM INTERFACE | B24 | 2 |
| AS 12 | RS232 INTERFACE | B25 | 2 |
| AS 12A | RS232 INTERFACE OPTION Y | B26 | 2 |
| AS 13 | ALARM RELAY INTERFACE | B27 | 2 |
| AS 13A | ALARM RELAY INTERFACE OPTION Y | B28 | 2 |
| AS 14 | ALARM RELAY INTERFACE | B29 | 2 |
| AS 14A | ALARM RELAY INTERFACE | B30 | 2 |
| AS 15 | 1KVA POWER DISTRIBUTION | B31 | 2 |
| AS 16 | ASCS HEART BEAT CABLING | B32 | 2 |
| AS 17 | ETHERNET CABLE | B33 | 2 |
| AS 18 | SCSI COM | B34 | 2 |

## SHEET INDEX (CONT'D)

| CONTENTS | SHEET NO. | SHEET ISSUE |
|---|---|---|
| | | |
| CIRCUIT NOTES<br>EQUIPMENT NOTES | D1 | 2 |
| INFORMATION NOTES | D2 | 2 |
| | D3 | 2 |
| | D4 | 2 |
| | | |
| CADS 1,1A,2 | G1 | 2 |
| CADS 3,3A | G2 | 2 |
| CAD 4 | G3 | 2 |
| CADS 5,6 | G4 | 2 |
| CADS 5A,6A | G5 | 2 |
| CADS 7,7AA,7BB,7CA,7DA | G6 | 2 |
| CADS 8,8A | G7 | 2 |
| CADS 9,10,10A | G8 | 2 |
| CADS 11,11A,12,12A | G9 | 2 |
| CADS 13,14 | G10 | 2 |
| CADS 15,16,17,18,19,20 | G11 | 2 |

## OPTION INDEX

| APP OR WRG | RATED ON ISSUE | REF NOTES | LOCATION |
|---|---|---|---|
| Z | DA,2 | | B1,B3,B8,B11,B13 B15,B17,B19,B23,B27 B29 |
| Y | 2 | | B2,B4,B9,B12,B14 B16,B18,B20,B24,B28 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| DWG ISS | CD ISS | DATE ISSD | DRN | APP |
|---|---|---|---|---|
| 1 | 1 APPX – | 11-6-96 | | |
| 2M | 1 APPX 1M | 01-20-97 | | |

## SUPPORTING INFORMATION

| SYSTEM USED ON | DESIGN CONTROL | CATEGORY | NO. |
|---|---|---|---|
| ANS | IH | ADVANCED NETWORK SVCS | |
| ACSC | IH | ADVANTAGE CONTROL SERVER CABINET | ED1S015-60 |
| ATSC | IH | ADVANTAGE TELECOM SERVER CABINET | ED1S018-60 |
| MC | IH | MISCELLANEOUS CABINET (SCN) | J1S001E-1 |
| | | MISCELLANEOUS CABINET (SCP) | J1S001B-1 |
| AMC | IH | ADVANTAGE MISCELLANEOUS CAB | ED1S019-10 |

## SHEET INDEX NOTES

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



BT13

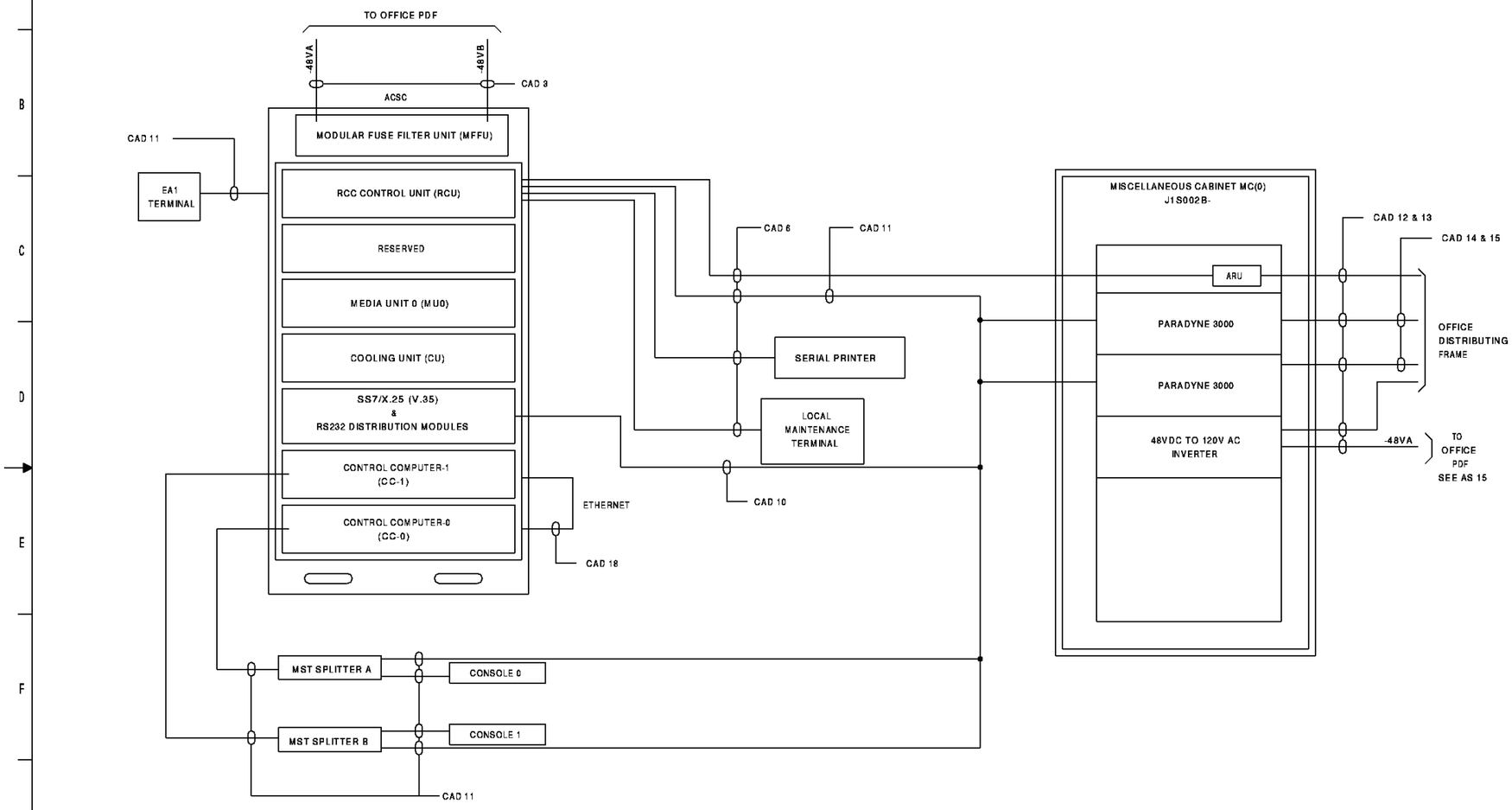
# ELECTRONIC SWITCHING SYSTEMS
## ADVANCED NETWORK SERVICES
## SERVICE CONTROL POINT
## ADVANTAGE CONTROL SERVER
## CIRCUIT

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET A1 OF 50

# AS 1

SYSTEM INTERCONNECTIONS





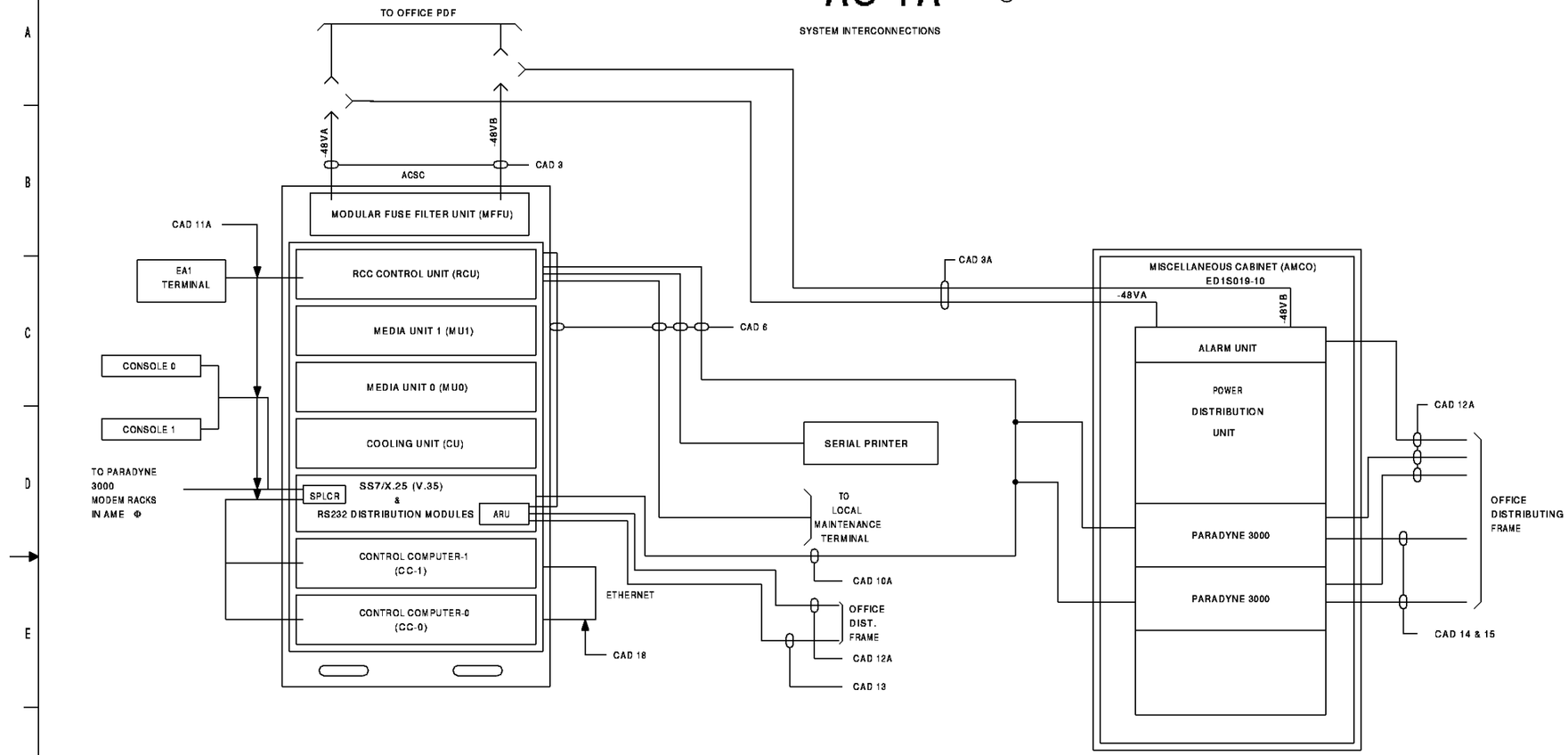

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B1 |

# AS 1A (Y)

SYSTEM INTERCONNECTIONS





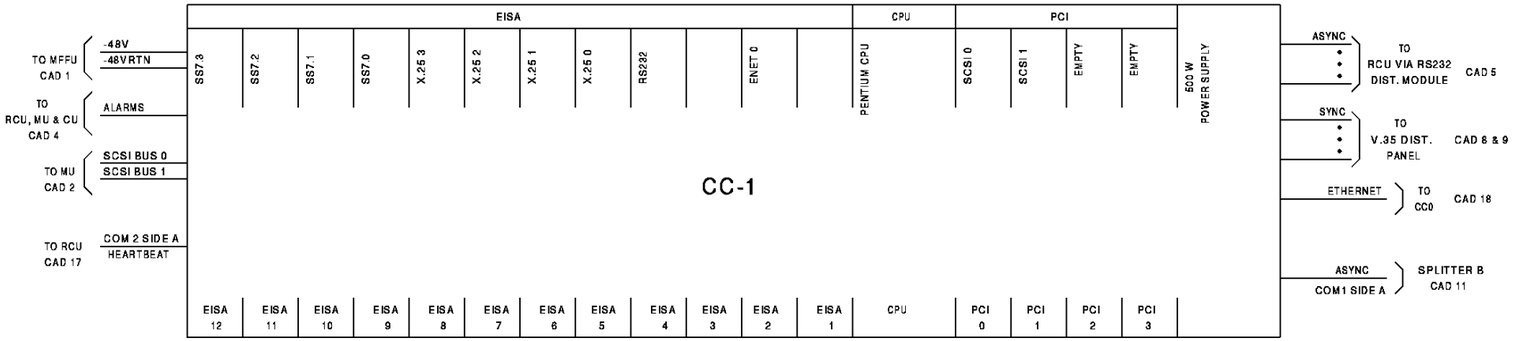

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

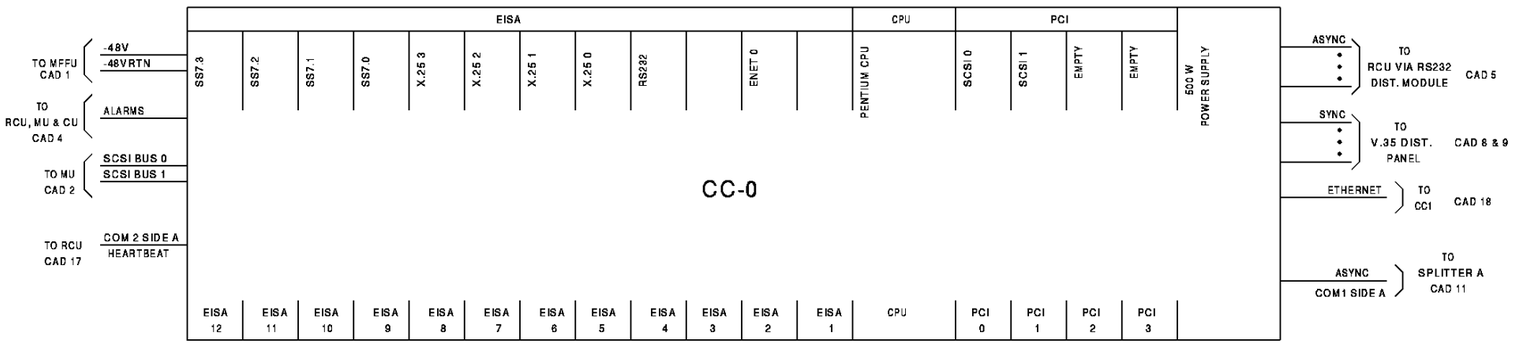
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B2 |

# AS 2 ②

CONTROL COMPUTER
CC-0 & CC-1
ED1S015-60




NOTES:

DESCRIPTION:

THE CONTROL COMPUTER IS MADE UP OF TWO 8" INCH HIGH IDENTICAL UNITS, (CC-0 & CC-1), WHICH OPERATE IN AN ACTIVE/STANDBY MODE. THE CONTROL COMPUTER PROVIDES PROCESSING ALONG WITH ASYNC, SYNC, SCSI, AND ETHERNET INTERFACES.

CAPACITY:

EACH CONTROL COMPUTER SHELF CAN SUPPORT UP TO TWO ETHERNET INTERFACES, 32 ASYNC INTERFACES (VIA THE RS232 DIST. MODULE & RCU), 16 SYNC INTERFACES (VIA THE V.35 DIST. PANEL) AND TWO SCSI INTERFACES.

FUSING REQUIREMENTS:

SEE AS5

SPECIFIC MOUNTING REQUIREMENTS:

CC-0 MOUNTS AT EQL 11 OF THE ACSC, WHILE CC-1 MOUNTS AT EQL 19 OF THE ACSC.



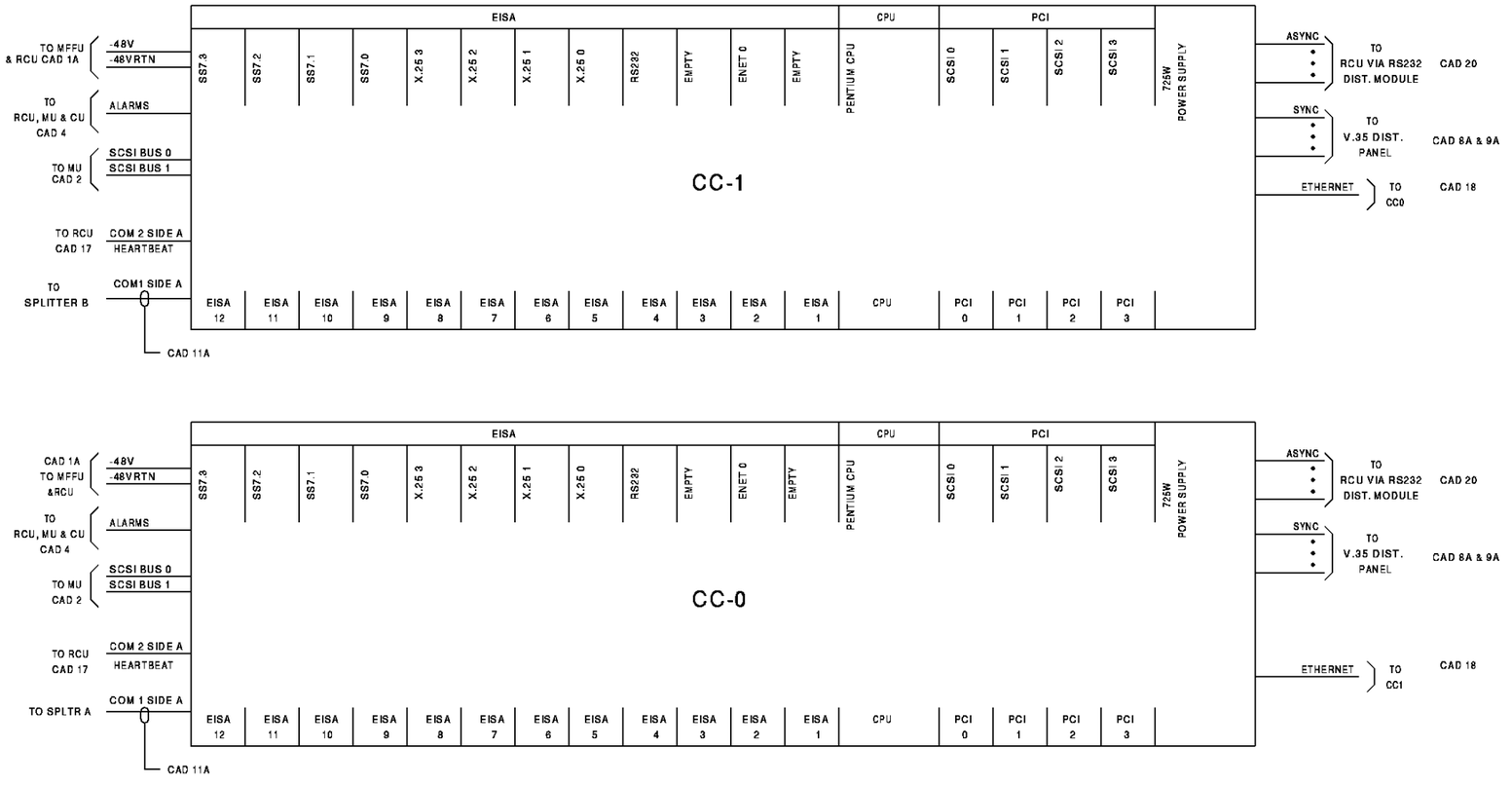
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B3 |

# AS 2A Ⓨ

CONTROL COMPUTER
CC-0 & CC-1
ED1S015-60




NOTES:

DESCRIPTION:

THE CONTROL COMPUTER IS MADE UP OF TWO 8" INCH HIGH IDENTICAL UNITS, (CC-0 & CC-1), WHICH OPERATE IN AN ACTIVE/STANDBY MODE. THE CONTROL COMPUTER PROVIDES PROCESSING ALONG WITH ASYNC, SYNC, SCSI, AND ETHERNET INTERFACES.

CAPACITY:

EACH CONTROL COMPUTER SHELF CAN SUPPORT UP TO TWO ETHERNET INTERFACES, 24 ASYNC INTERFACES (VIA THE RS232 DIST. MODULE & RCU), 16 SYNC INTERFACES (VIA THE V.35 DIST. PANEL) AND 4 SCSI INTERFACES.

FUSING REQUIREMENTS:

SEE AS5

SPECIFIC MOUNTING REQUIREMENTS:

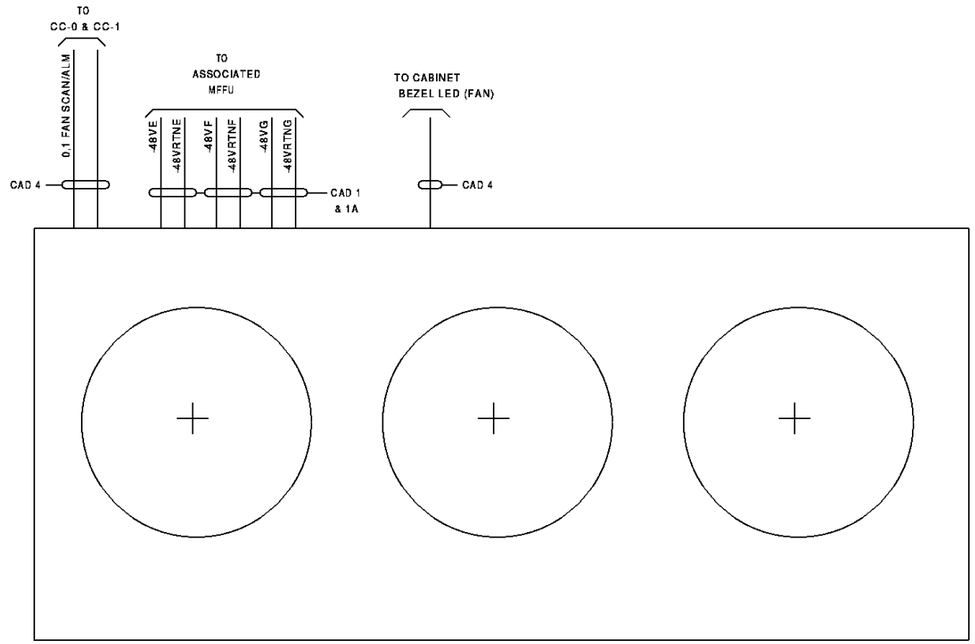
CC-0 MOUNTS AT EQL 11 OF THE ACSC, WHILE CC-1 MOUNTS AT EQL 19 OF THE ACSC.



| | | |
|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | SHEET<br>B4 |

# AS 3

COOLING UNIT
(6 FAN BI-DIRECTIONAL FAN UNIT)
SD-5D168-01
J5D003FH-( )




**DESCRIPTION**

THIS FAN UNIT IS A SINGLE 8.50" HIGH X 24.50" WIDE SHELF WHICH PROVIDES FILTER FORCED AIR COOLING. THIS UNIT IS EQUIPPED WITH ONLY 3 OF THE POSSIBLE 6 FANS. THE 3 FANS BLOW IN AN UPWARD DIRECTION.

**CAPACITY**

THIS FAN UNIT UNDER MAXIMUM OPERATING CONDITIONS COOLS AT A RATE OF 300 LIN.FT/MIN ROOM AMBIENT.

**FUSING REQUIREMENTS**

SEE AS5

**SPECIFIC MOUNTING REQUIREMENTS**

THIS FAN UNIT IS MEANT TO MOUNT IN THE CENTER OF THE CABINET (EQL 039). THERE WILL BE SOME CABINET ARRANGEMENTS WHERE THE FAN UNIT WILL MOUNT ABOVE OR BELOW THE CABINET CENTER.



| | | |
|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | SHEET<br>B5 |

# AS 4

MEDIA UNIT (MU)
ED1S015-60

NOTES:

DESCRIPTION:

THE MU IS A 7-1/2 INCH HIGH SHELF, WHICH RESIDES IN THE ACSC. THE MU PROVIDES THE SCSI DISKS.
MU0 IS ALWAYS REQUIRED
MU1 IS OPTIONAL FOR RELEASE R7 AND LATER

CAPACITY:

THE MU PROVIDES UP TO SIX DISK SCSI PAIRS

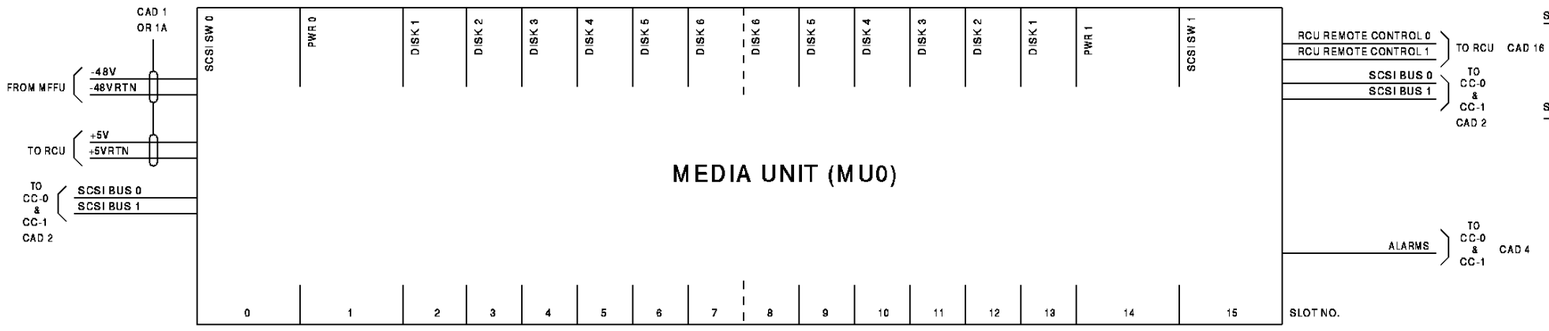
FUSING REQUIREMENTS:

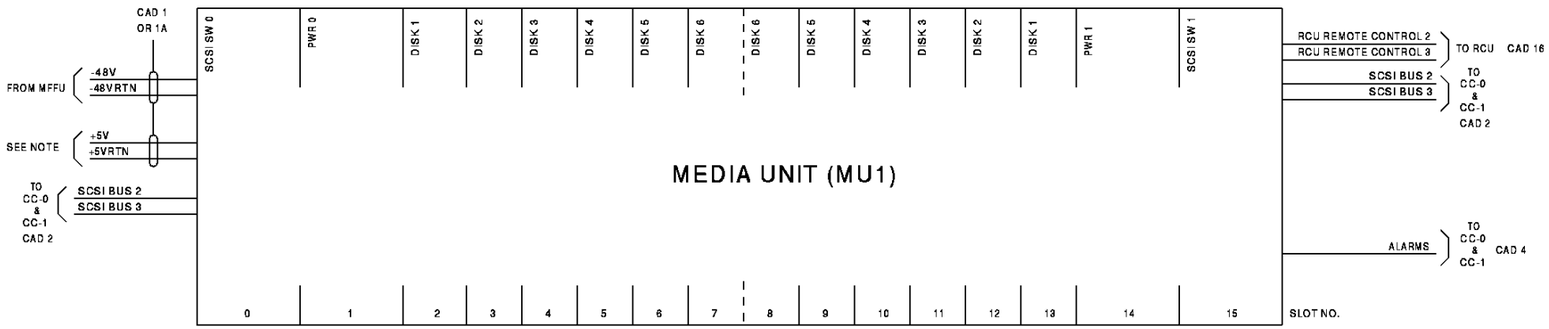
SPECIFIC MOUNTING REQUIREMENTS:

THE MU MOUNTS AT EQL 48 AND 55 IN THE ACSC.

SPECIAL WIRING

MU1 DOES NOT PROVIDE +5V TO THE RCU, BUT THE OUTPUT MUST BE LOOPED BACK TO THE SENSE INPUT TO PROVIDE VOLTAGE REGULATION.



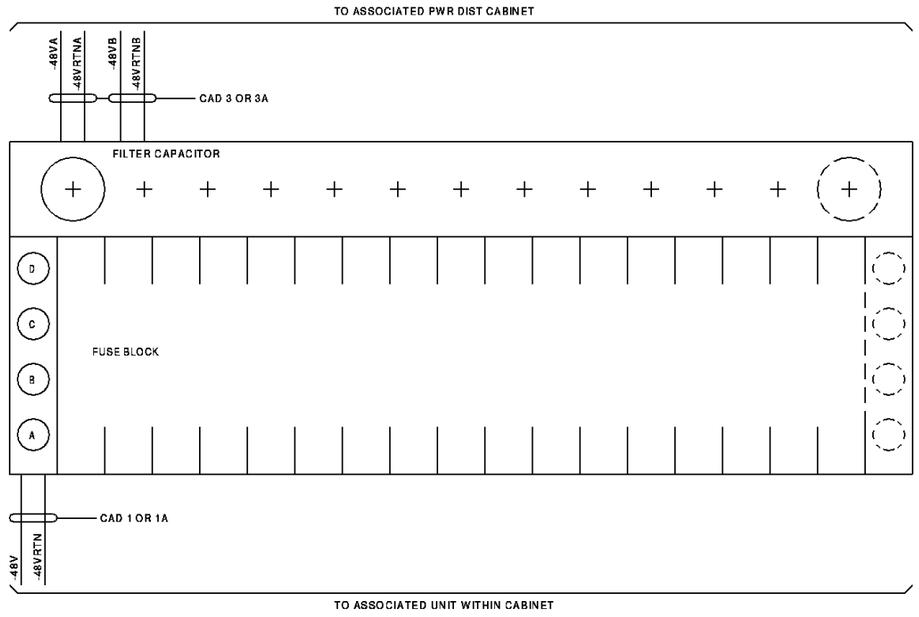



| | | |
|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | SHEET<br>B6 |

# AS 5

MODULAR FUSE/FILTER UNIT (MFFU)
SD-5D190-01
J5D003FJ-( )

FOR ALARM CARD WIRING
SEE AS 7 & CAD 4




**DESCRIPTION**

THIS MFFU IS A SINGLE SHELF WHICH PROVIDES FUSES AND FILTER CAPACITORS AT -48V TO POWER VARIOUS UNITS IN THE ACSC.

**CAPACITY**

THIS MFFU PROVIDES SPACE FOR:
*(12) FEEDER FILTER CAPACITORS
*(18) FUSE BLOCK POSITIONS AND (1) ALARM CARD HOUSING
*EACH FUSE BLOCK HAS POSITIONS FOR (4) FUSES
*EACH ALARM CARD HOUSING HAS SPACE FOR (2) ALM CARD.

**FUSING REQUIREMENTS**

THE MFFU IS FUSED AT THE PWR DIST UNIT AS REQUIRED.

**SPECIFIC MOUNTING REQUIREMENTS**

THIS UNIT MOUNTS IN THE UPPER MOST LOCATION IN A CABINET (EQL 089).

FUSE ASSIGNMENT

| | EQL | UNIT | AMP |
|---|---|---|---|
| A BUS | 014-A | RCU & CC0 | 12 |
| | 023-A | MU0 | 10 |
| | 032-A | FAN E | 3 |
| | 032-B | MU1 | 10 |
| | 041-A | FAN F | 3 |
| | 041-B | ARU | 2 |
| B BUS | 118-A | RCU & CC1 | 12 |
| | 127-A | MU0 | 10 |
| | 141-A | FAN G | 3 |
| | 141-B | MU1 | 10 |



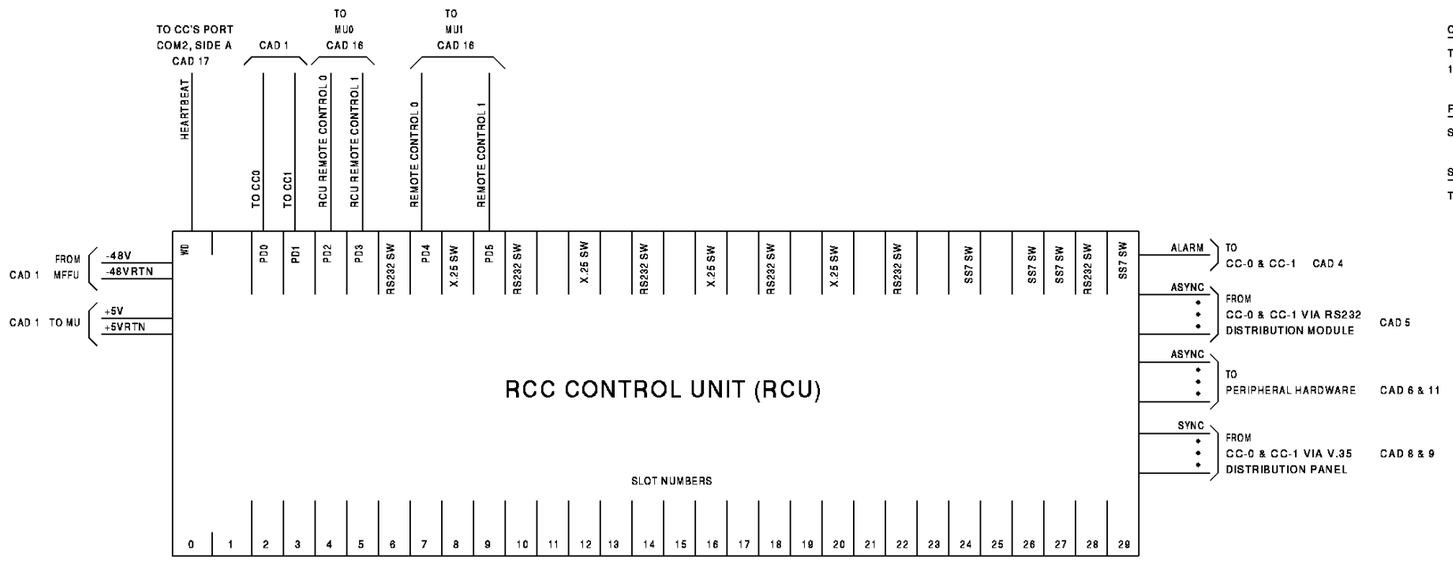
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B7

# AS 6 ②

RCC CONTROL UNIT (RCU)
ED1S015-60
RELEASE R6




NOTES:

DESCRIPTION:

THE RCU IS A 5-3/4 INCH HIGH SHELF WHICH RESIDES IN THE ACSC. THE RCU ALLOWS EITHER A ASYNC OR SYNC PORT TO BE SWITCHED BETWEEN SIDES 0 OR 1 OF THE CONTROL COMPUTER.

CAPACITY

THE RCU CAN SUPPORT UP TO 32 ASYNC PORTS, AND 16 SYNC PORTS.

FUSING REQUIREMENTS

SEE AS5

SPECIFIC MOUNTING REQUIREMENTS

THE RCU MOUNTS AT EQL 63 IN THE ACSC.



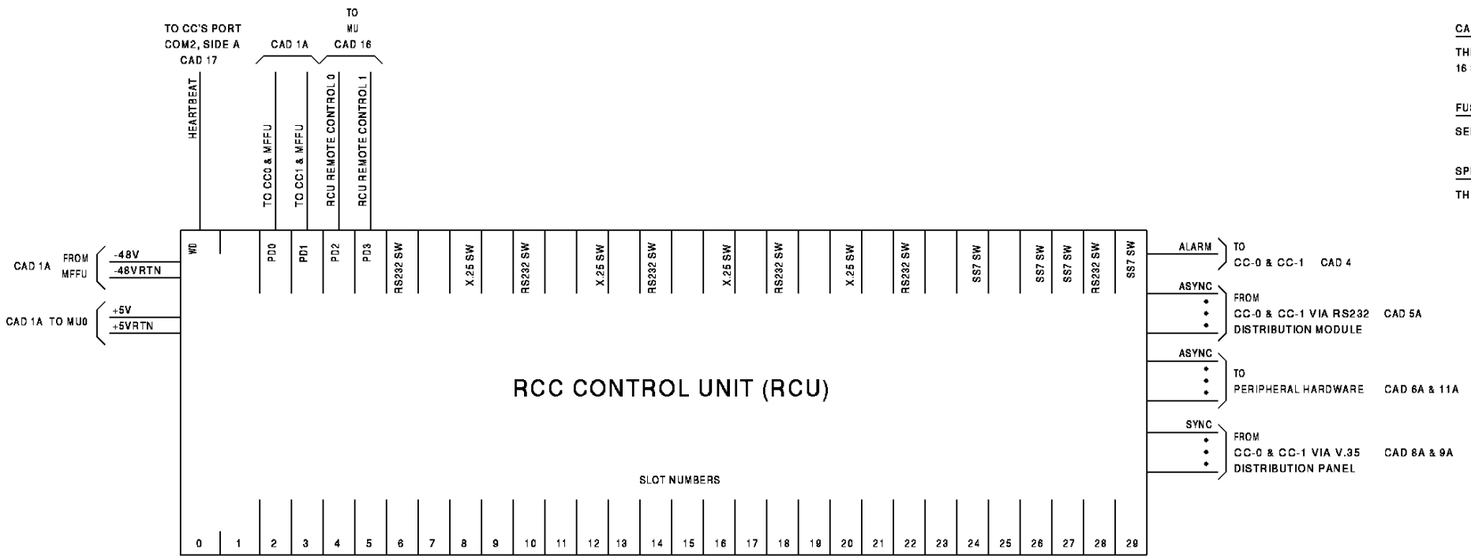
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B8

# AS 6A Ⓨ

RCC CONTROL UNIT (RCU)
ED1S015-60
RELEASE R7




NOTES:

DESCRIPTION:

THE RCU IS A 5-3/4 INCH HIGH SHELF WHICH RESIDES IN THE ACSC. THE RCU ALLOWS EITHER A ASYNC OR SYNC PORT TO BE SWITCHED BETWEEN SIDES 0 OR 1 OF THE CONTROL COMPUTER.

CAPACITY

THE RCU CAN SUPPORT UP TO 24 ASYNC PORTS, AND 16 SYNC PORTS.

FUSING REQUIREMENTS

SEE AS5

SPECIFIC MOUNTING REQUIREMENTS

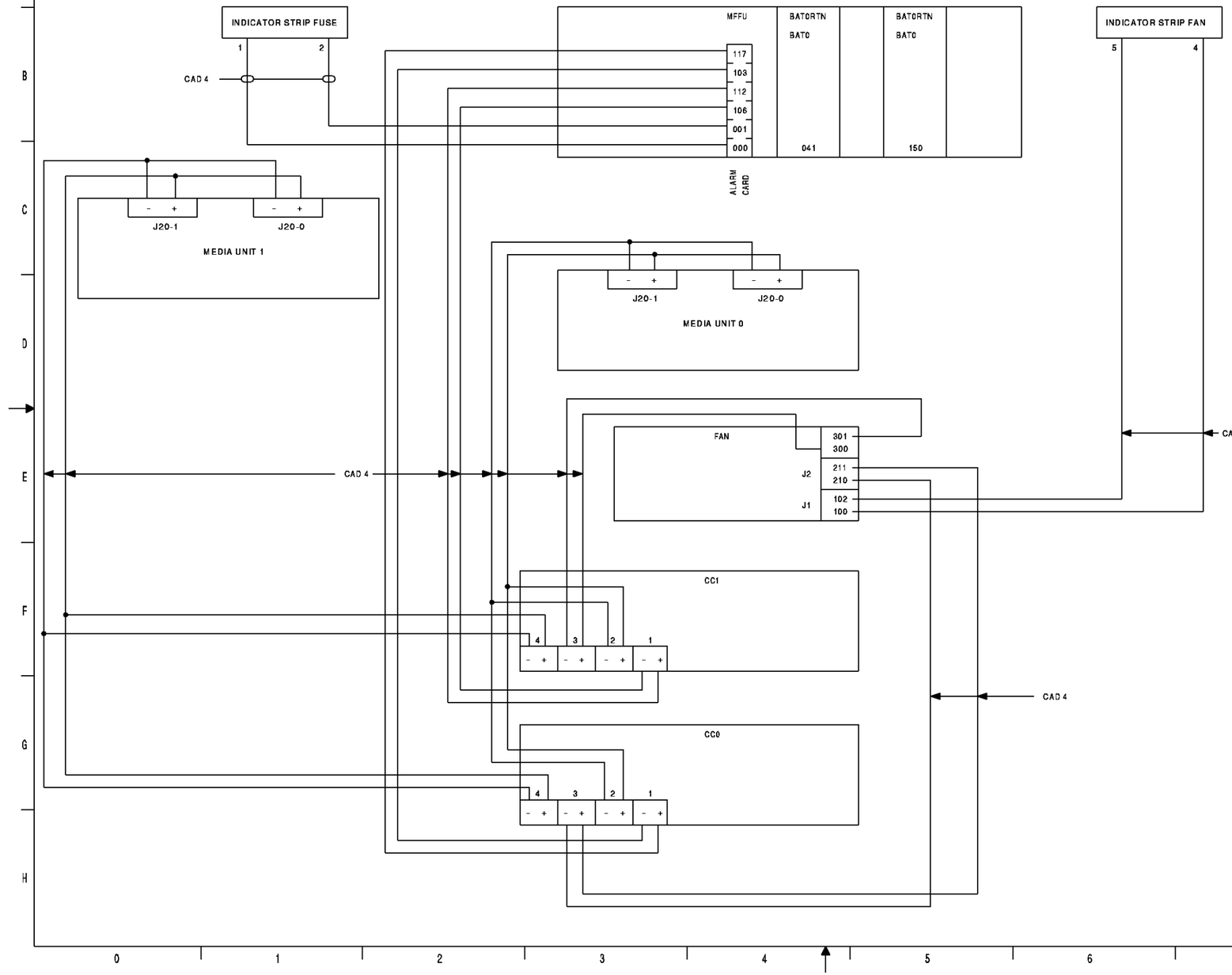
THE RCU MOUNTS AT EQL 63 IN THE ACSC.



| | | |
|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | SHEET<br>B9 |

# AS 7

ACSC INTRA-CABINET ALARMING

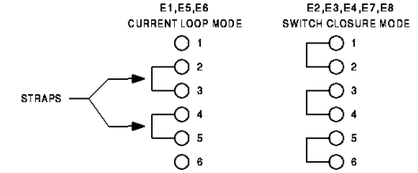



NOTES:

DESCRIPTION:

IN CC UNITS:

STRAPS FOR E1 - E8 OF THE AAB1024 ALARM BOARD (INSIDE THE CC UNIT) NEEDS TO BE SET FOR CORRECT MODE INPUT.




CAPACITY

FUSING REQUIREMENTS

SEE AS5

SPECIFIC MOUNTING REQUIREMENTS



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

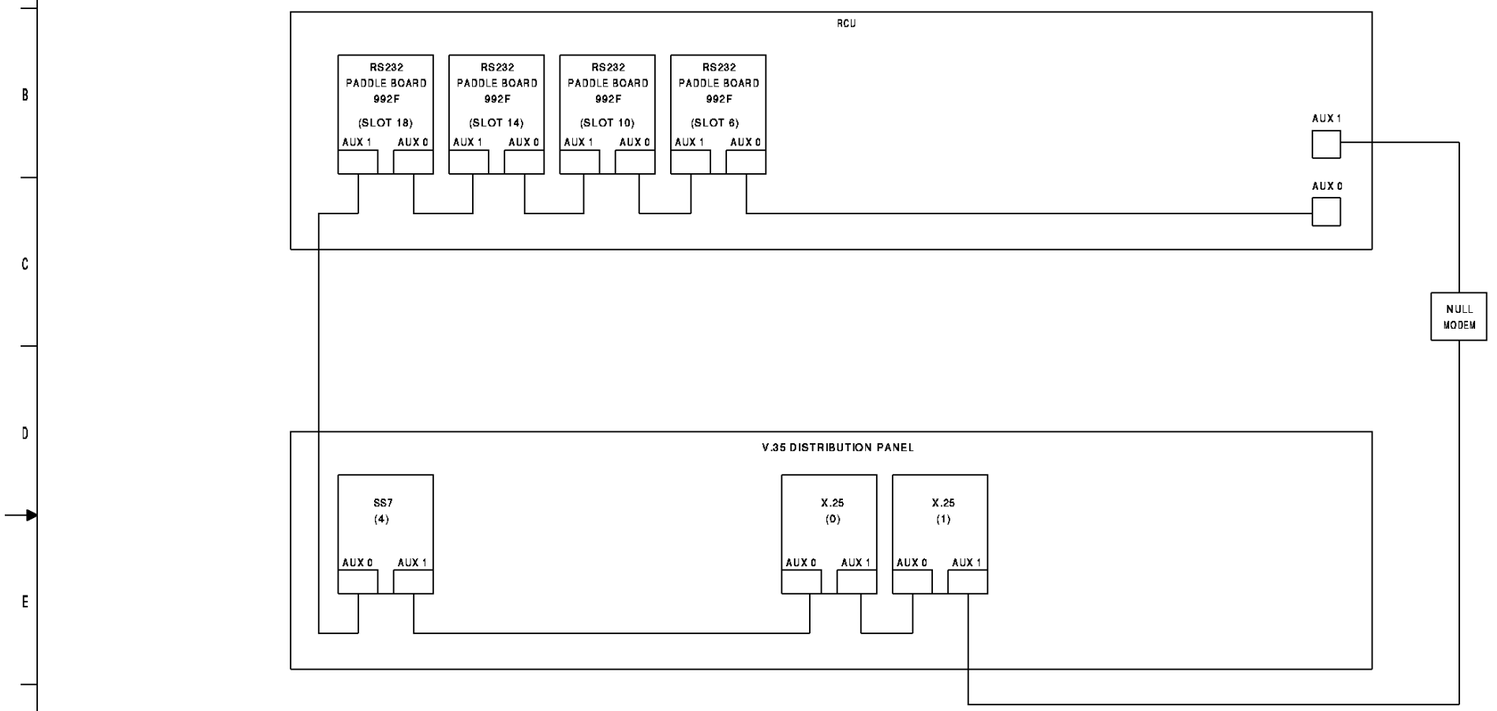
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B10

# AS 8A

ACSC AUX MULT

(E/W 4 X.25 AND 2 SS7 LINKS)






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

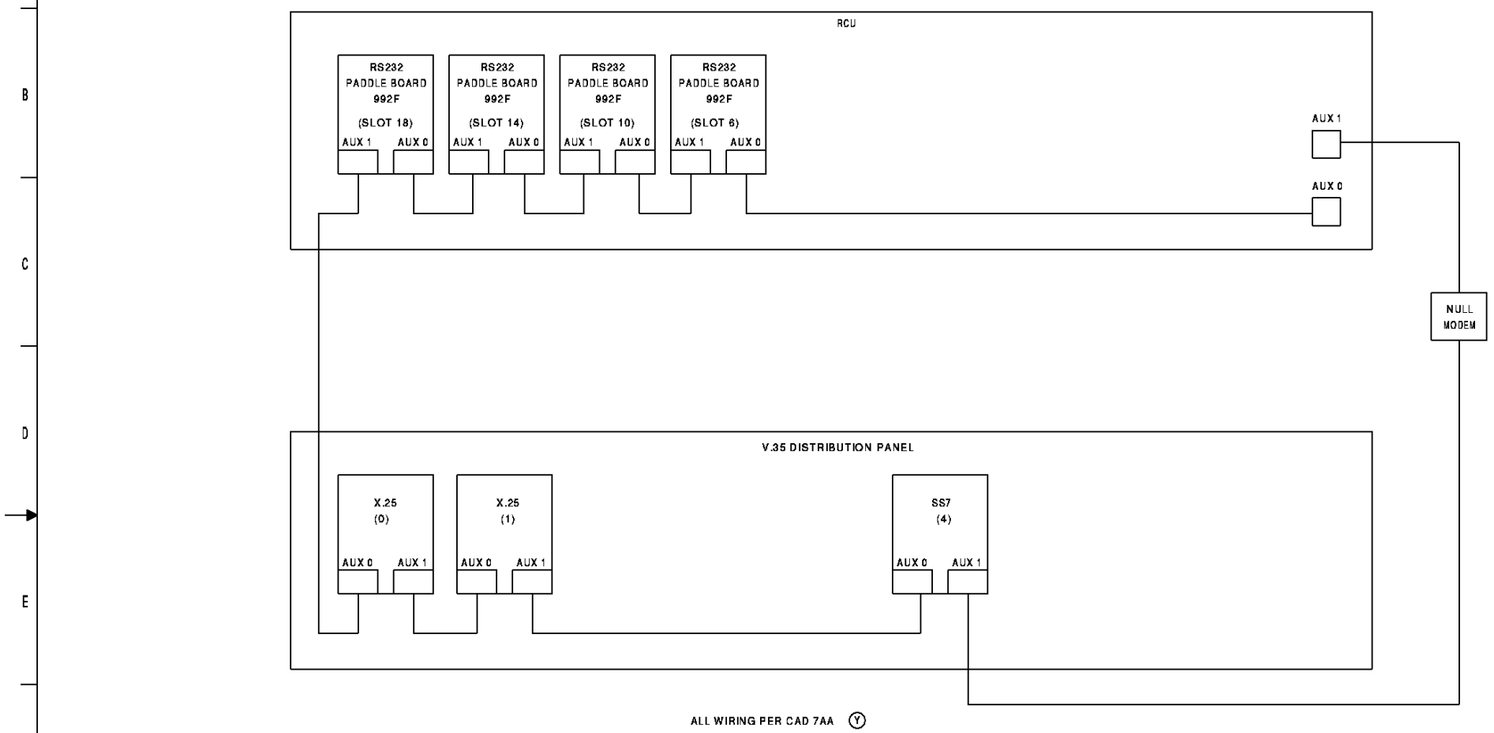
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B11 |

# AS 8AA (Y)

ACSC AUX MULT

(E/W 4 X.25 AND 2 SS7 LINKS)




ALL WIRING PER CAD 7AA (Y)



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

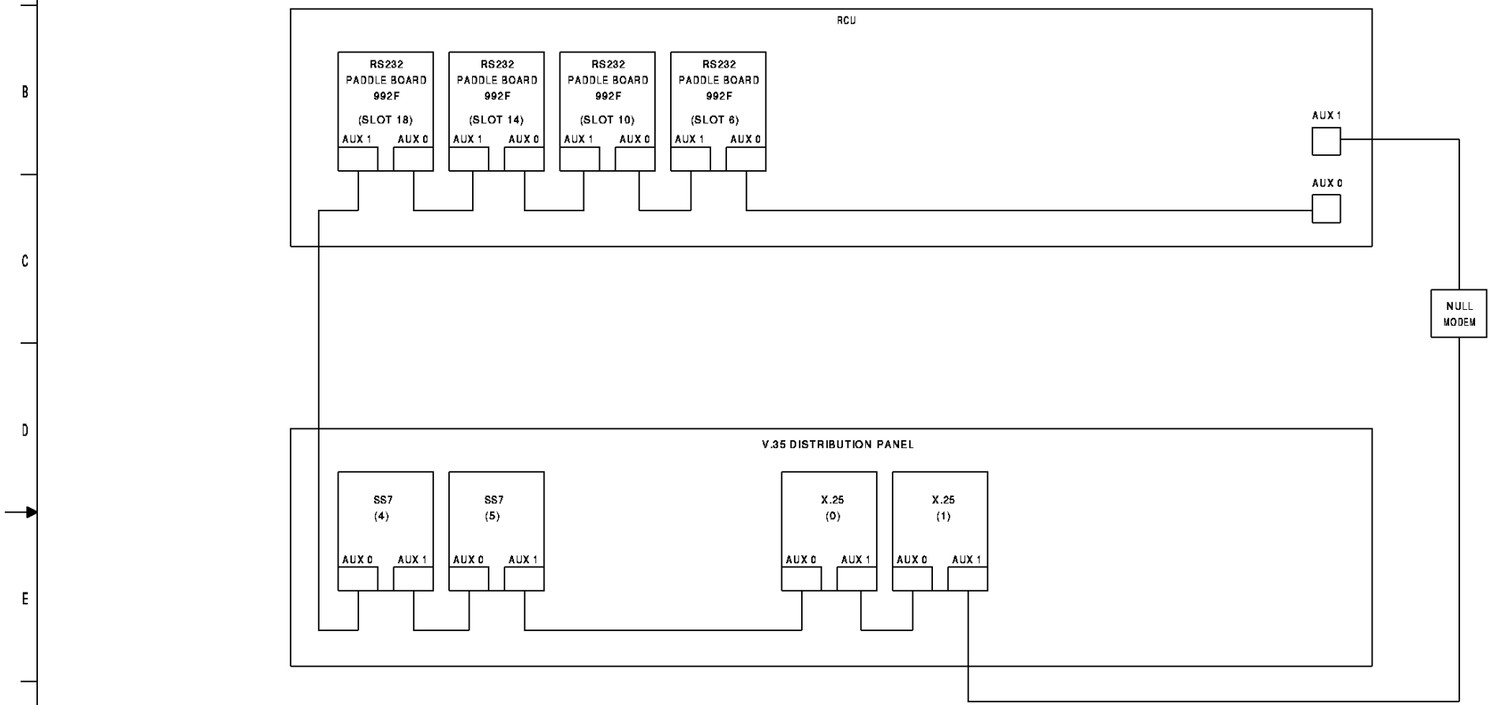
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B12 |

# AS 8B

ACSC AUX MULT

(E/W 4 X.25 AND 4 SS7 LINKS)






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

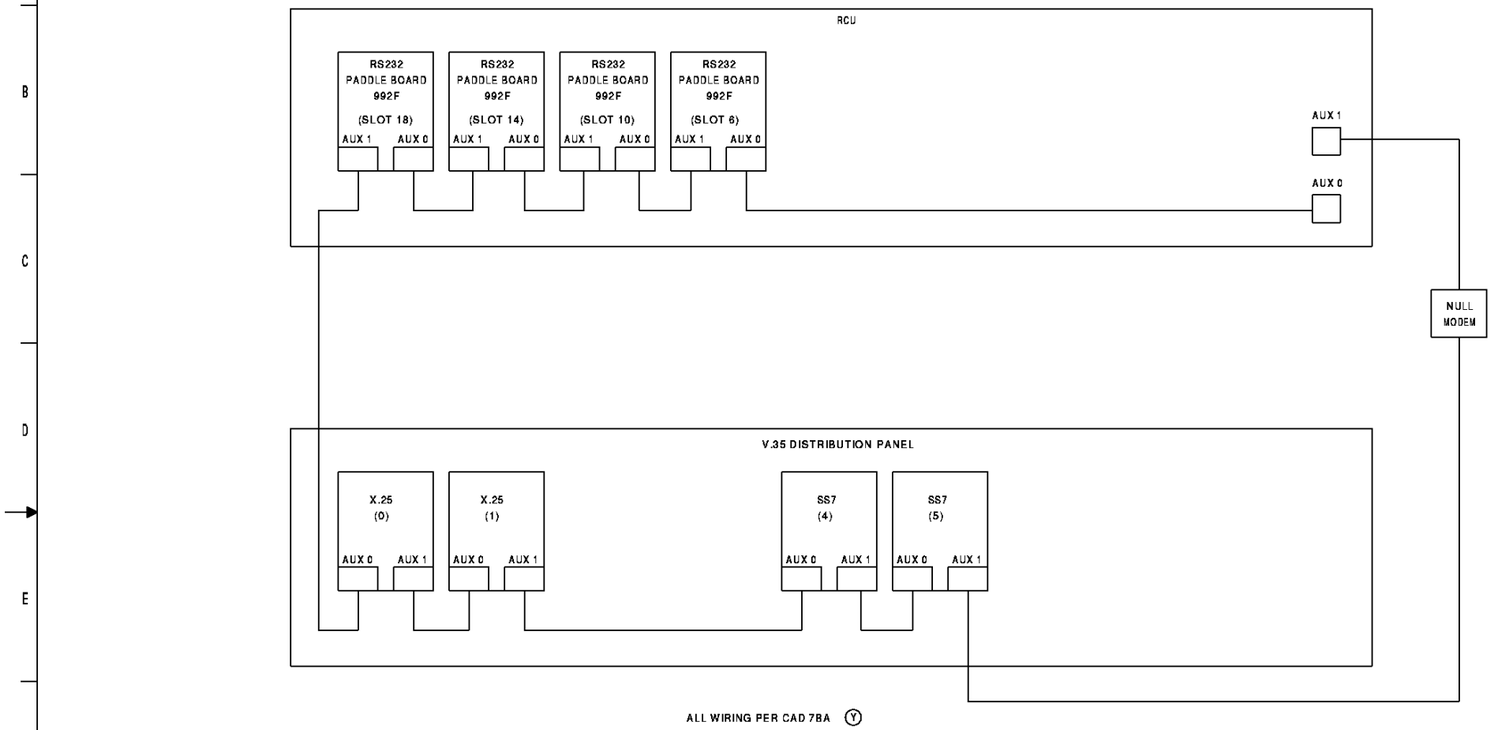
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B13 |

# AS 8BA Ⓨ

ACSC AUX MULT

(E/W 4 X.25 AND 4 SS7 LINKS)




ALL WIRING PER CAD 7BA Ⓨ



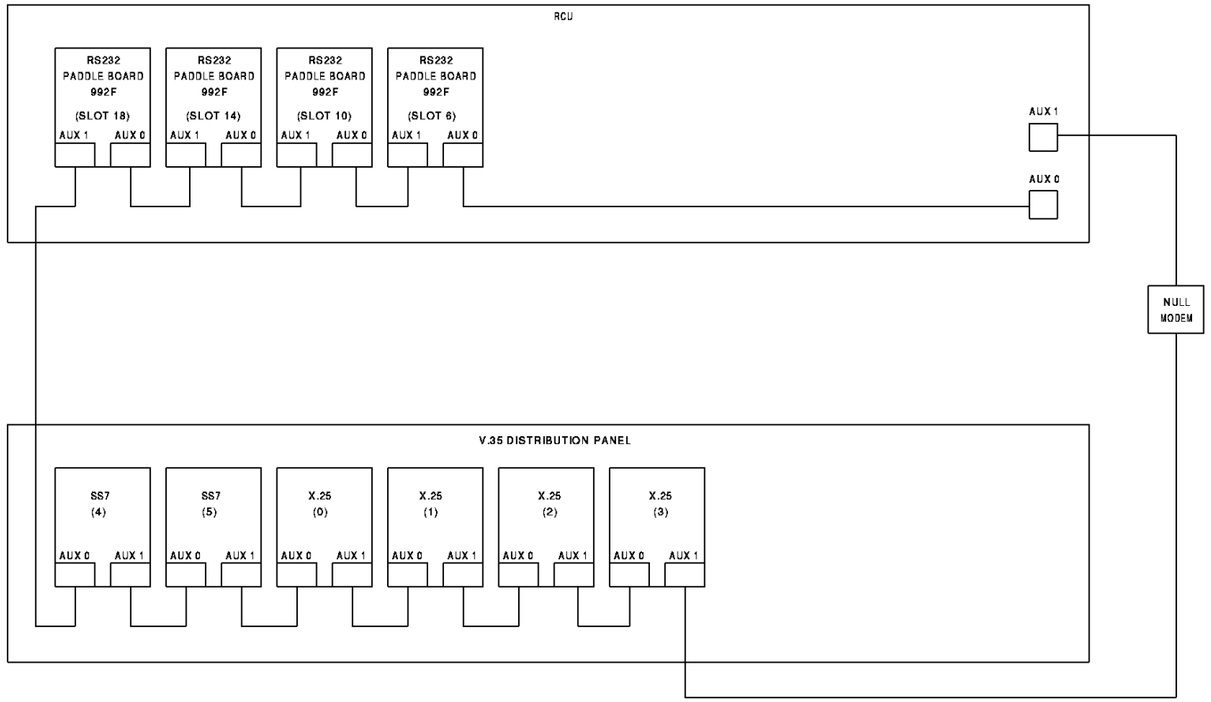
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B14 |

# AS 8C ⓩ

ACSC AUX MULT
(E/W 8 X.25 AND 4 SS7 LINKS)





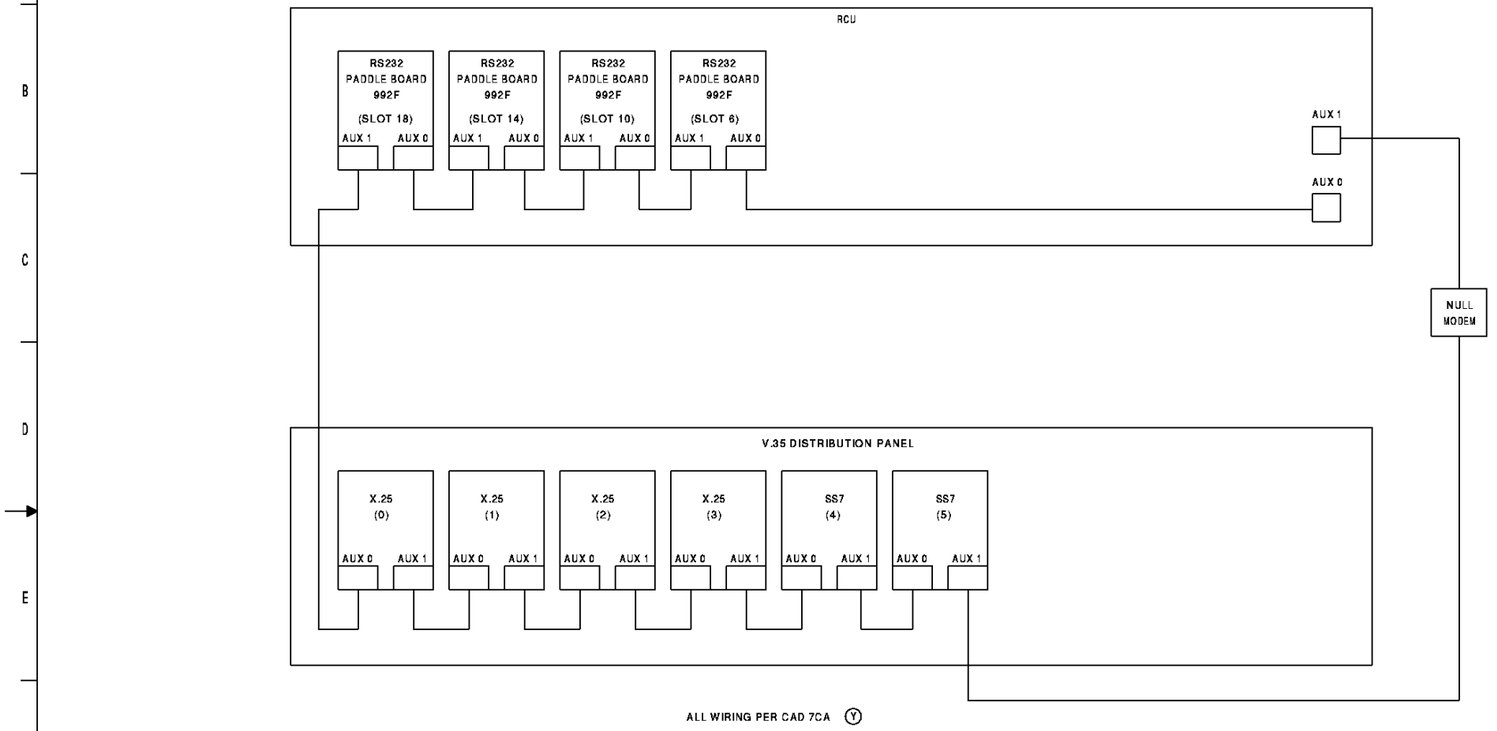

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B15 |

# AS 8CA Ⓨ

ACSC AUX MULT
(E/W 8 X.25 AND 4 SS7 LINKS)




ALL WIRING PER CAD 7CA Ⓨ



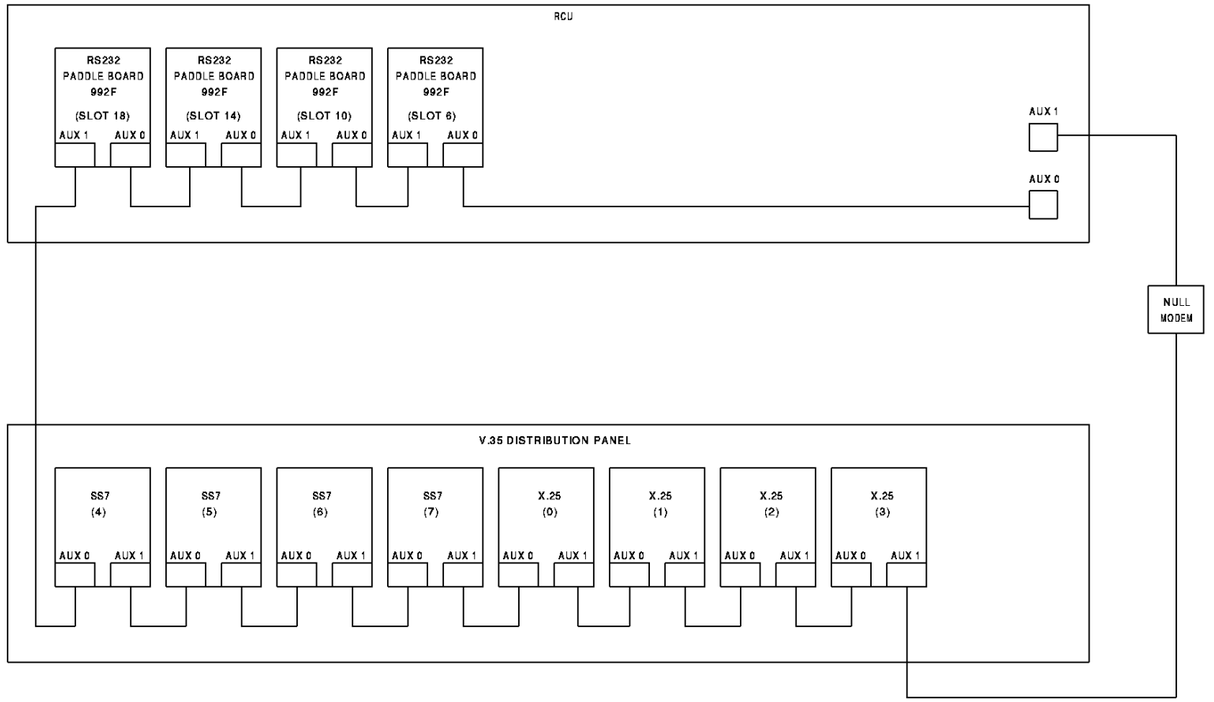
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B16 |

# AS 8D ⓩ

ACSC AUX MULT
(E/W 8 X.25 AND 8 SS7 LINKS)



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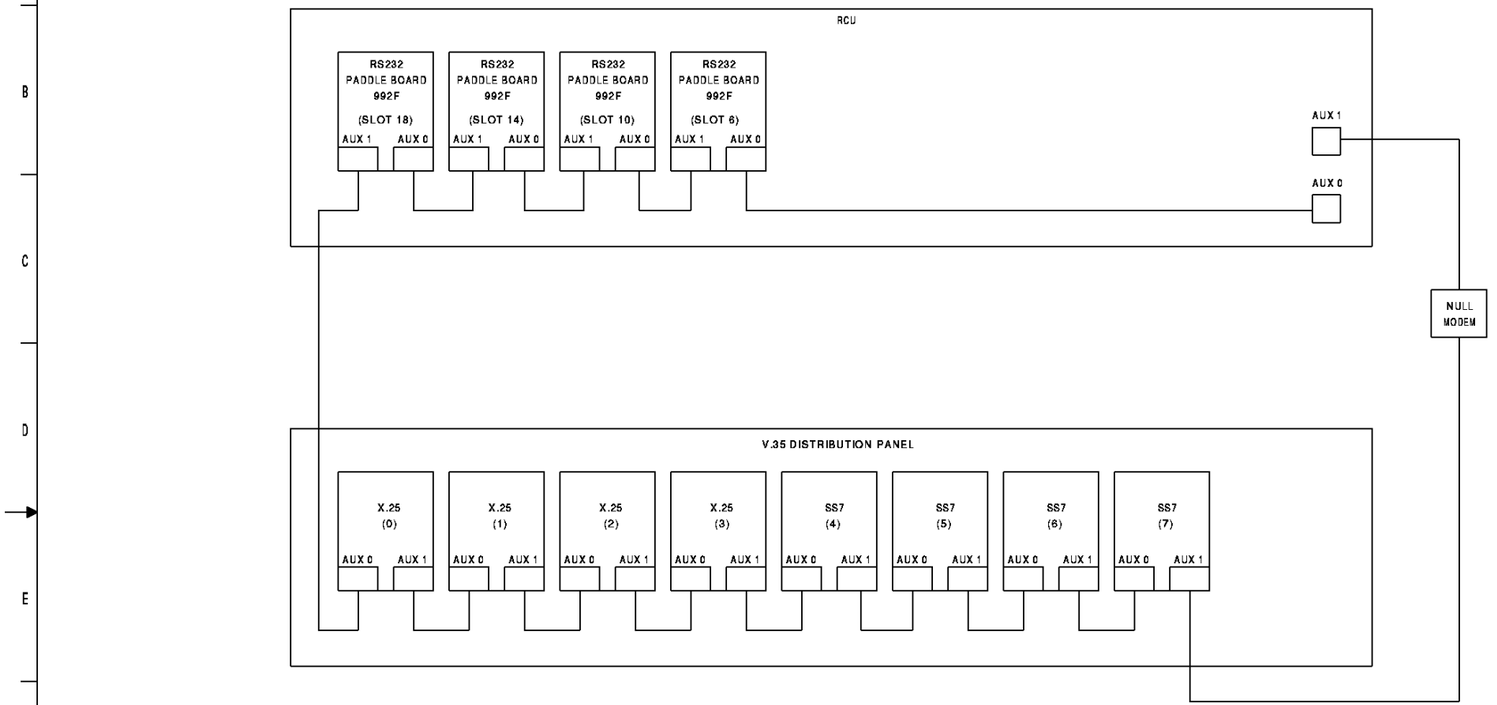
|---|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | | SHEET<br>B17 |

# AS 8DA (Y)

ACSC AUX MULT
(E/W 8 X.25 AND 8 SS7 LINKS)




ALL WIRING PER DAD 7DA (Y)

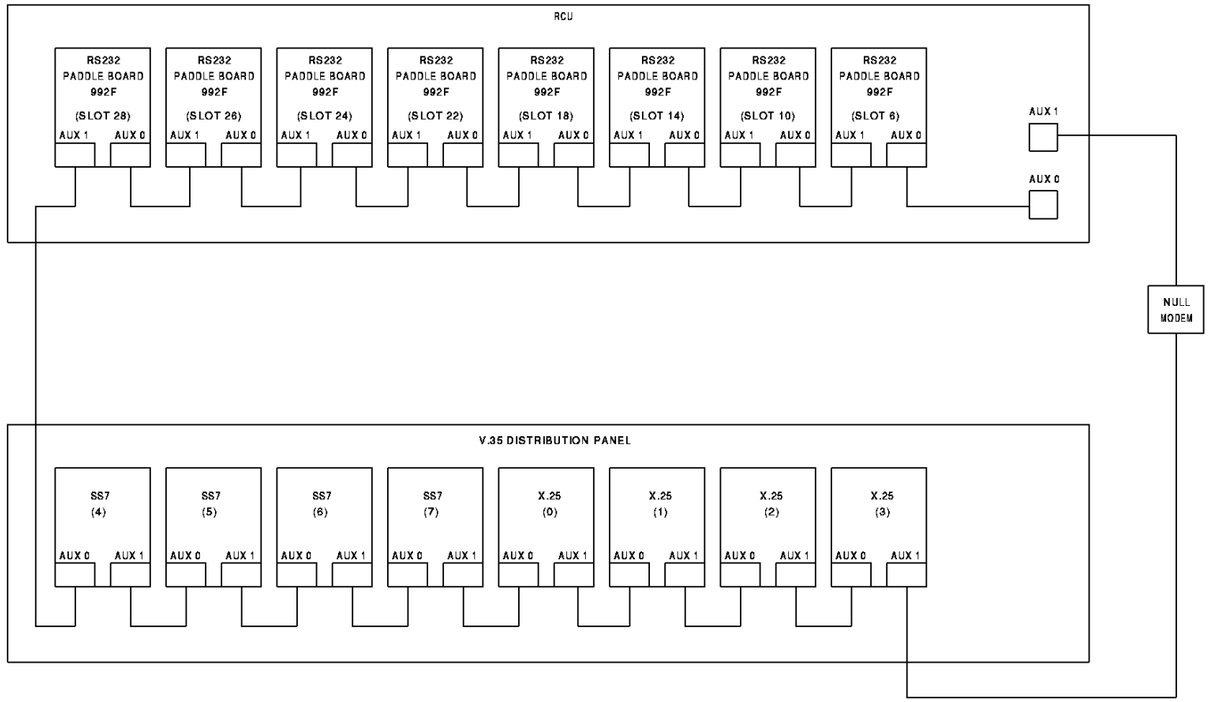


| | | | |
|---|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | | SHEET<br>B18 |

# AS 8E ⓩ

ACSC AUX MULT

(E/W 8 X.25, 8 SS7 AND 16 RS232 LINKS)



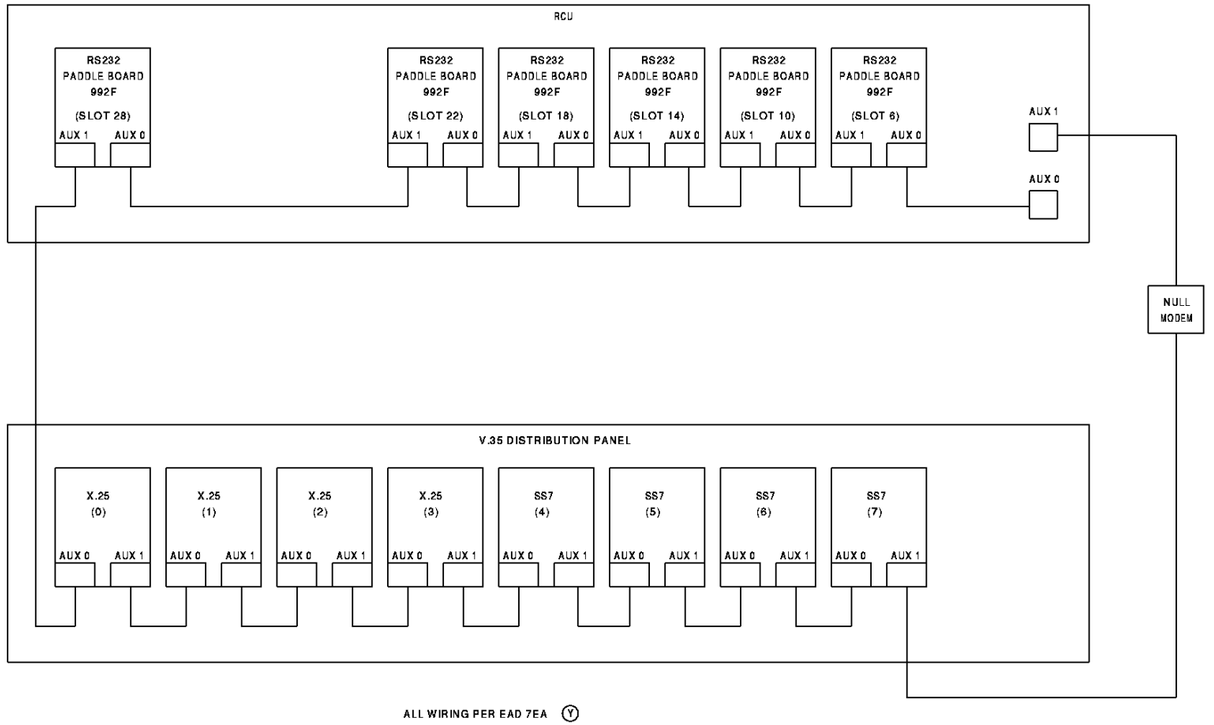



| | | | |
|---|---|---|---|
| ADVANCED NETWORK SERVICES<br>SERVICE CONTROL POINT<br>ADVANATAGE CONTROL SERVER | | DWG SIZE<br>C2 | ISSUE<br>2M |
| Lucent Technologies | SD-1S008-01 | | SHEET<br>B19 |

# AS 8EA (Y)

ACSC AUX MULT

(E/W 8 X.25, 8 SS7 AND 24 RS232 LINKS)




ALL WIRING PER EAD 7EA (Y)



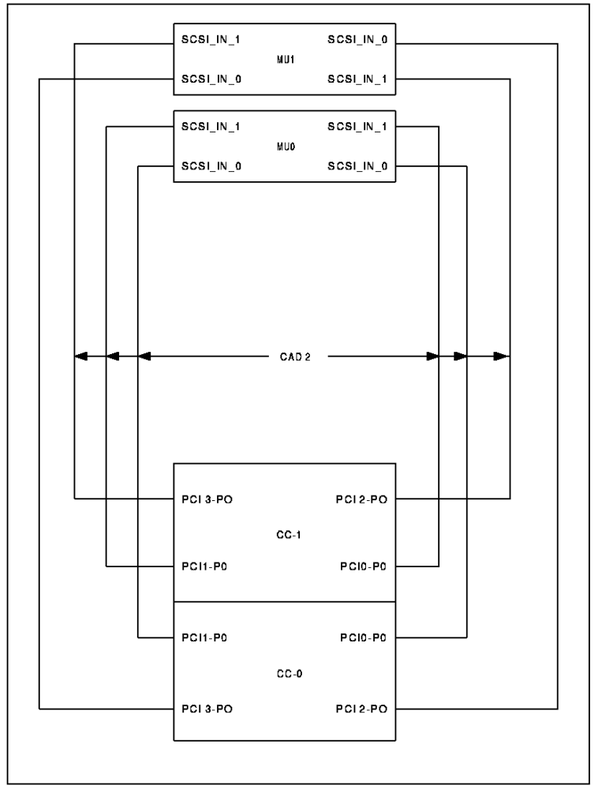
ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET B20 |
|---|---|---|

# AS 9

ACSC INTRA-CABINET SCSI INTERFACE






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

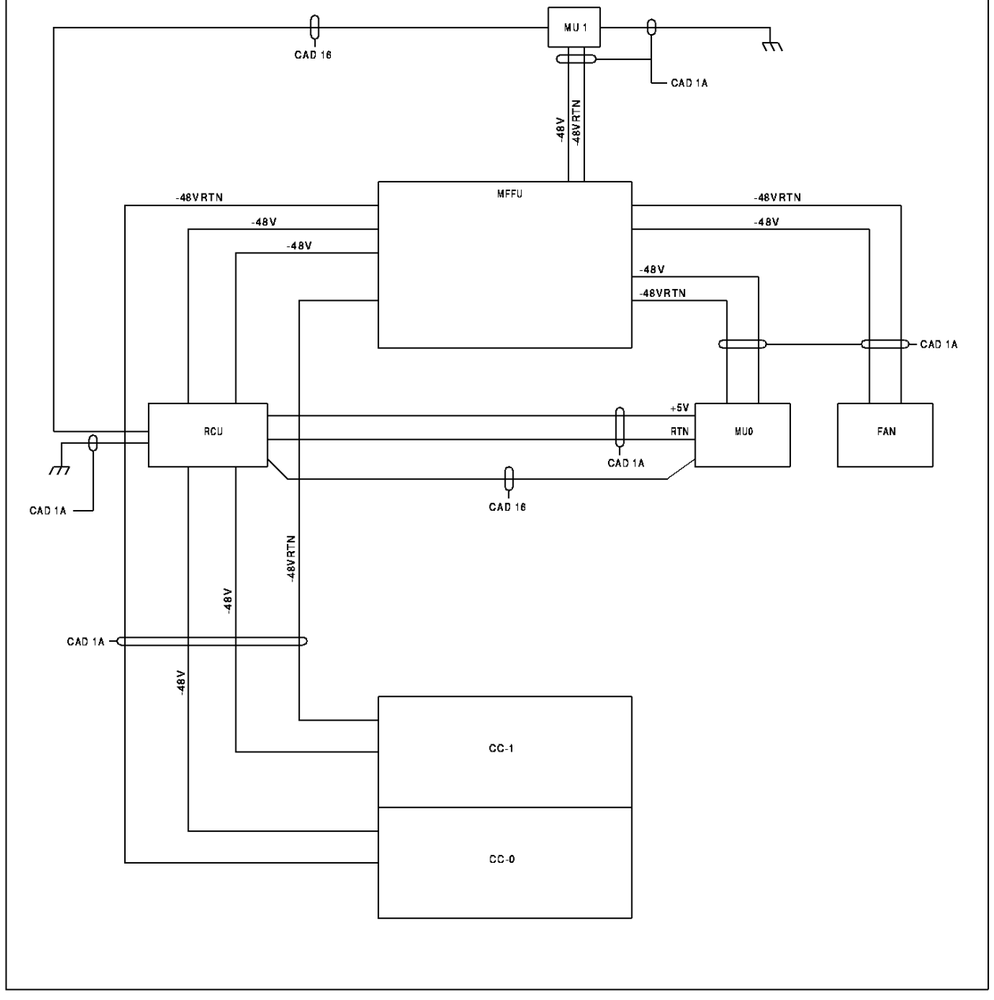
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B21 |

# AS 10

ACSC INTRA-CABINET POWER

ACSC





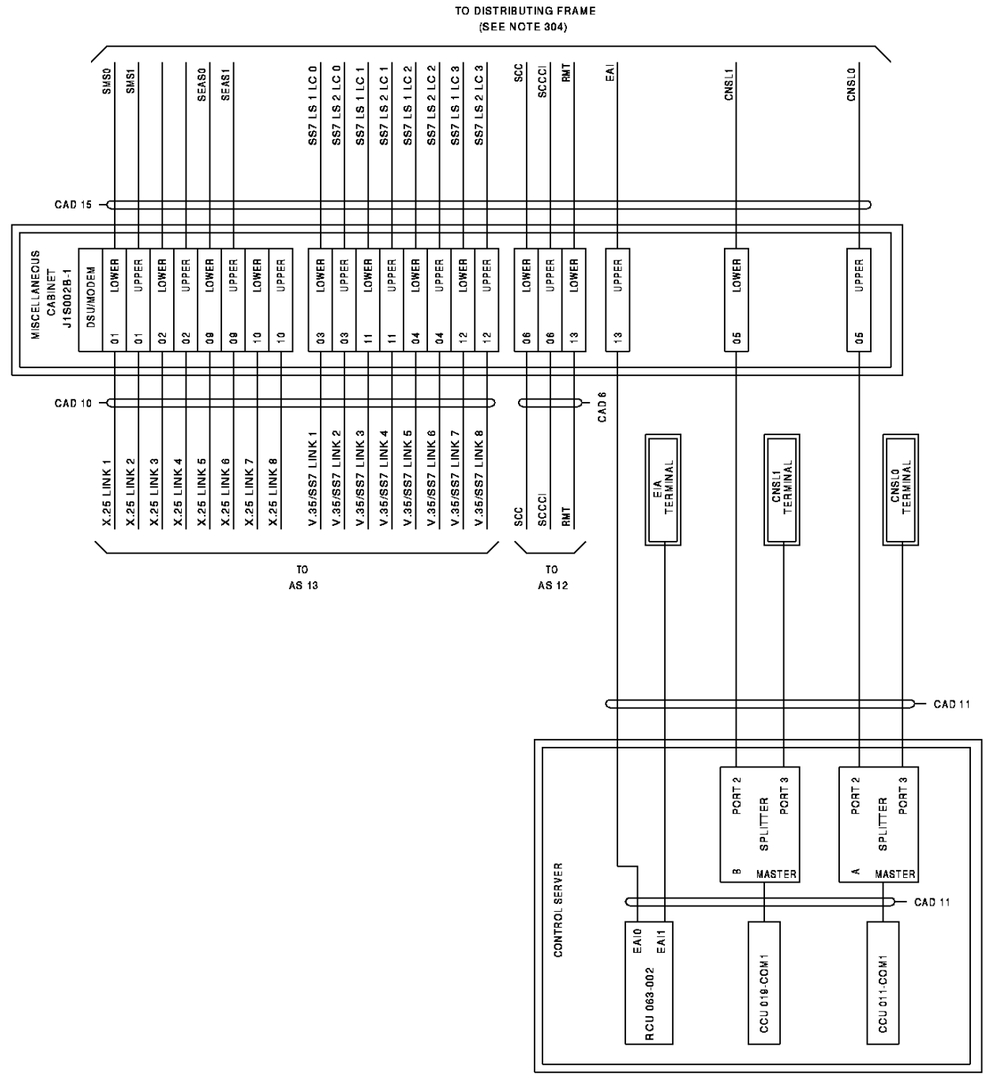

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B22 |

# AS 11 (2)

DSU/MODEM INTERFACE





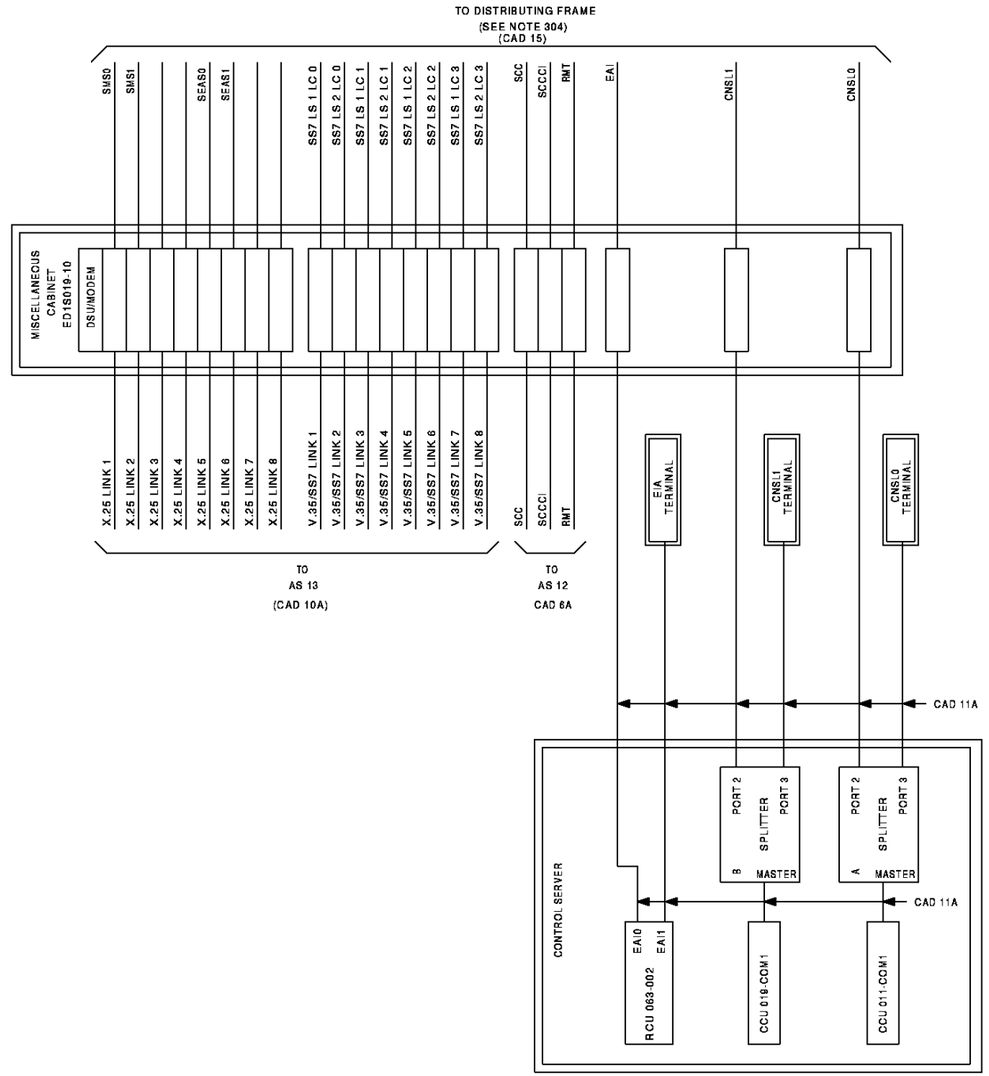

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B23 |

# AS 11A (Y)

DSU/MODEM INTERFACE





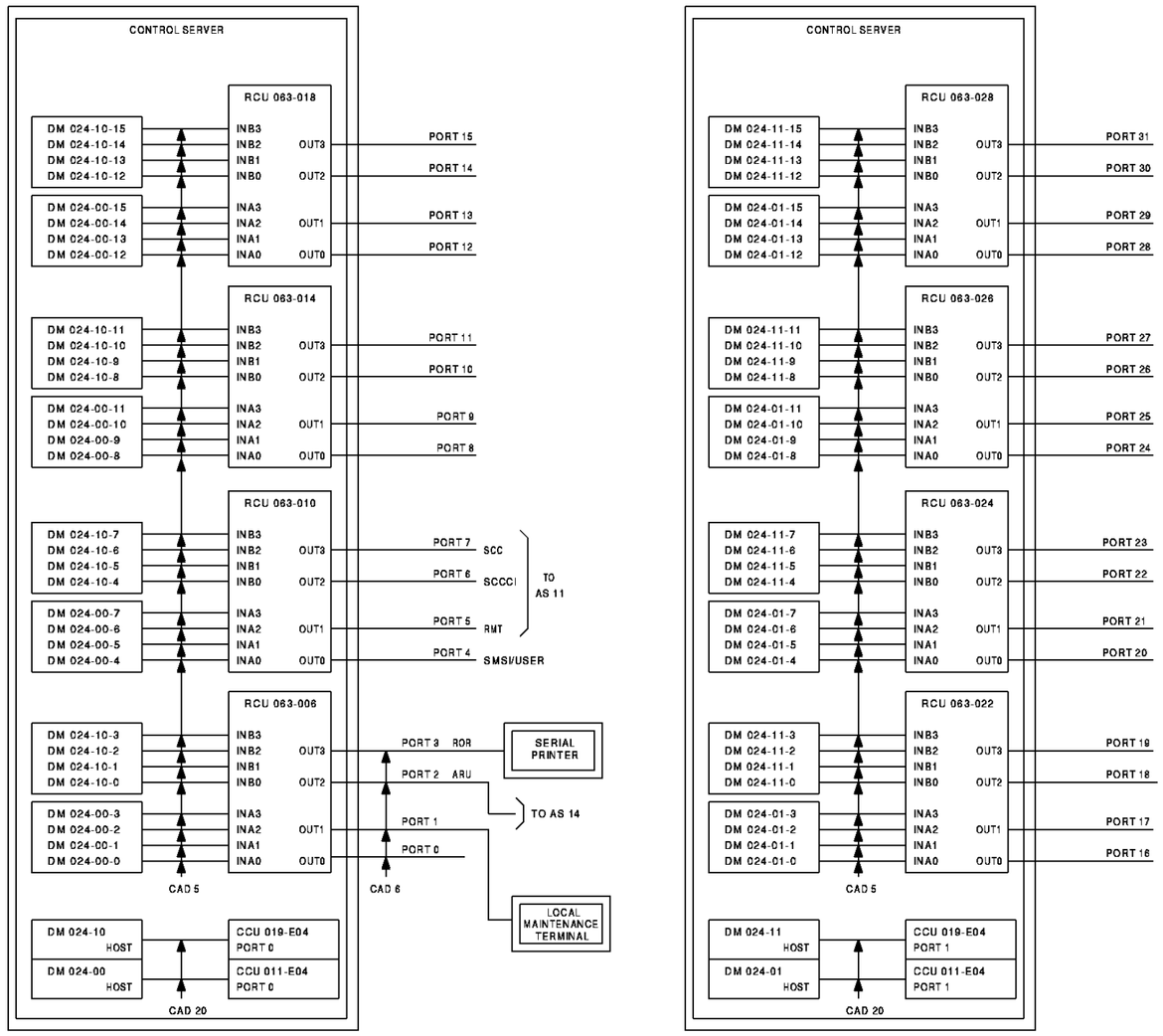

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B24

# AS 12

RS232 INTERFACE





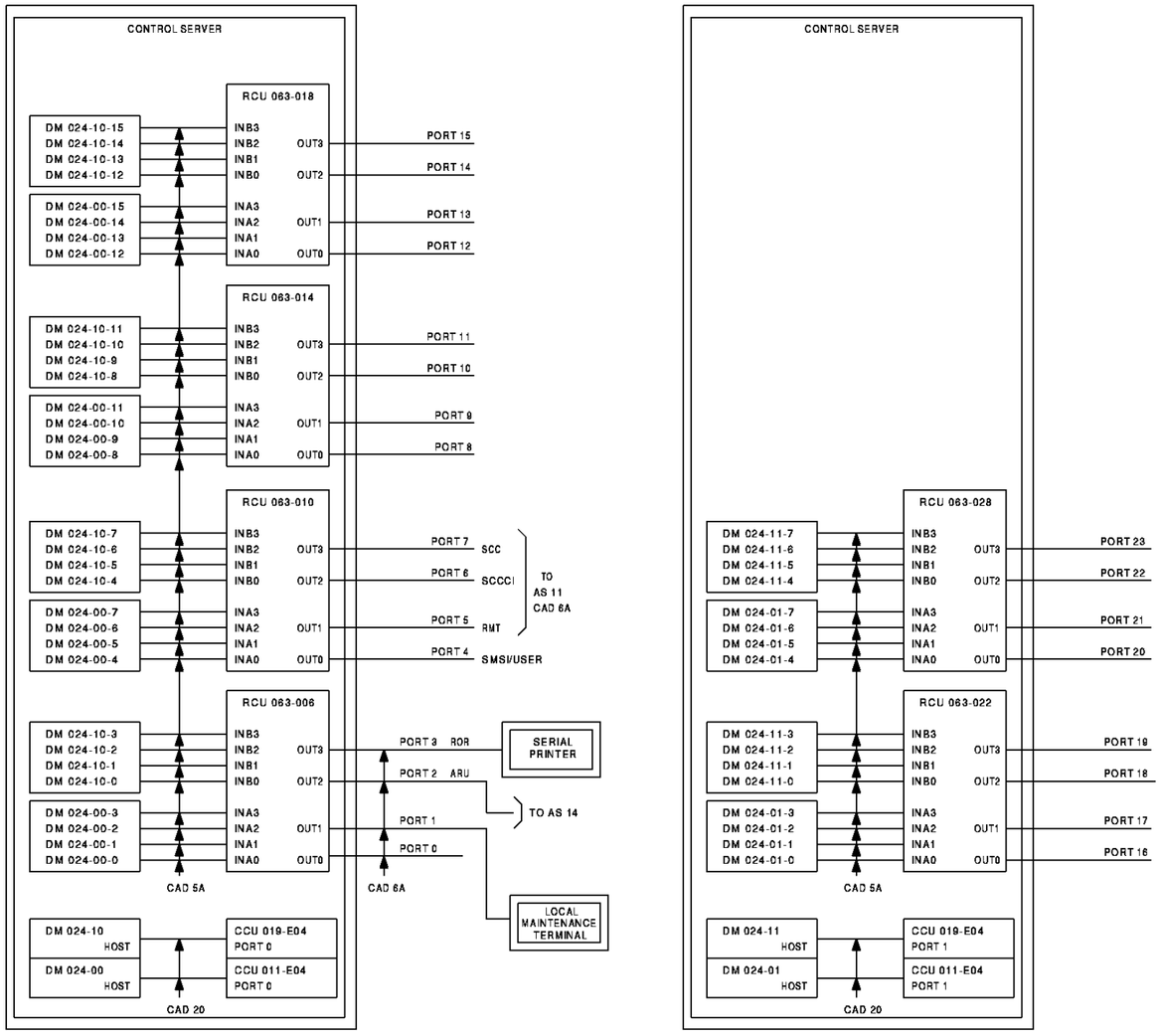

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B25

# AS 12A Ⓨ

RS232 INTERFACE





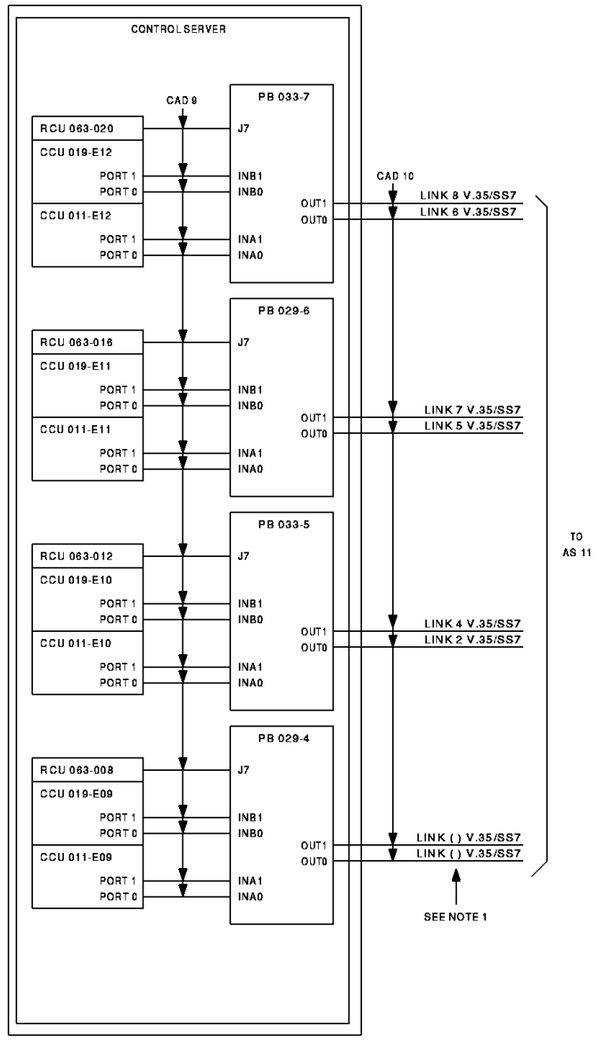

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

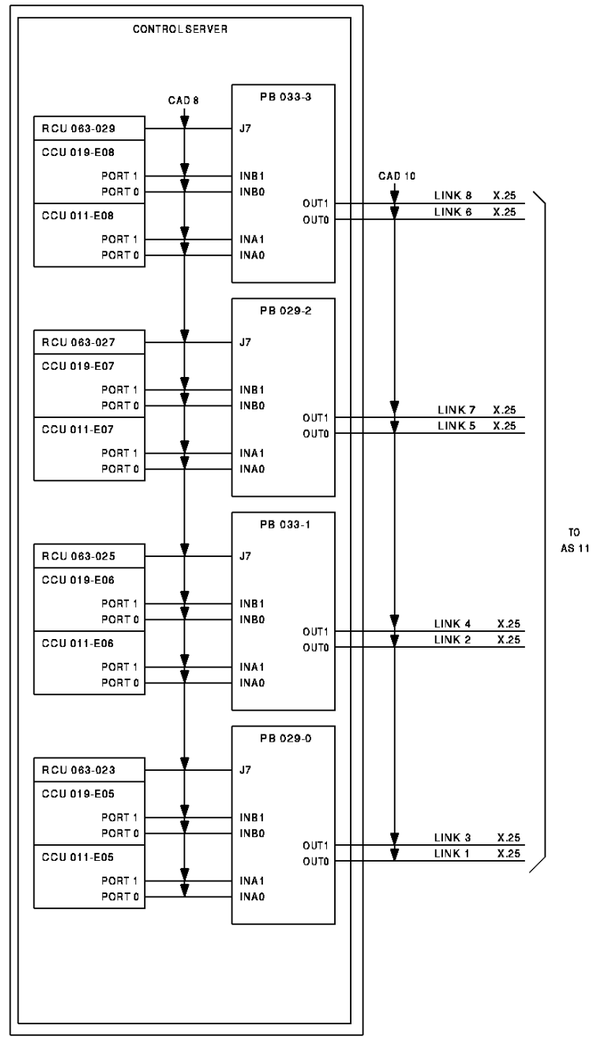
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET B26

# AS 13

X.25, V.35/SS7 INTERFACE




NOTE:

1. FOR 2 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK2
   FOR 4 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK3
   FOR 8 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK3



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

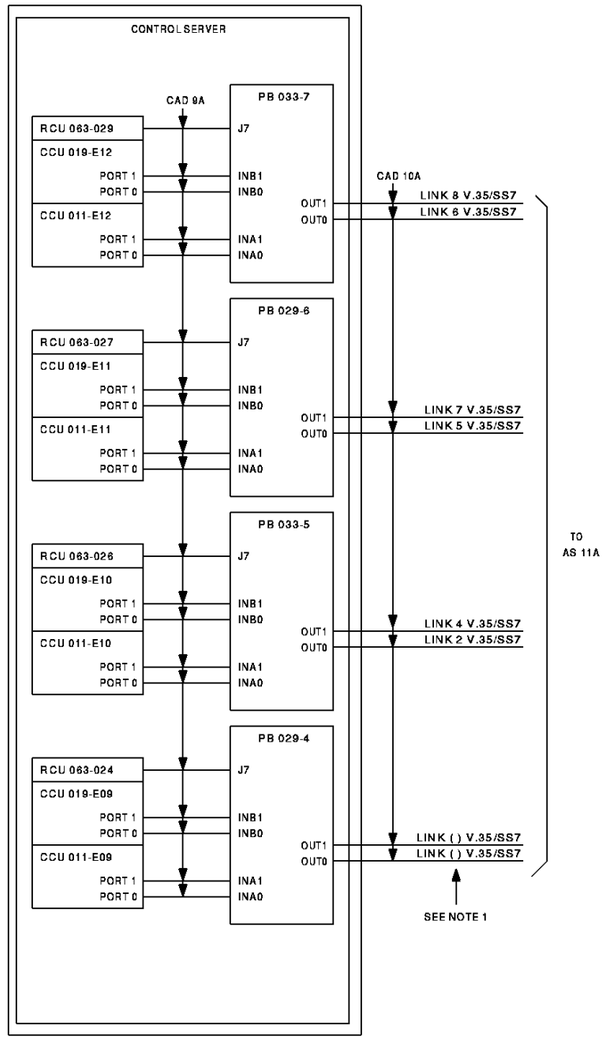
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

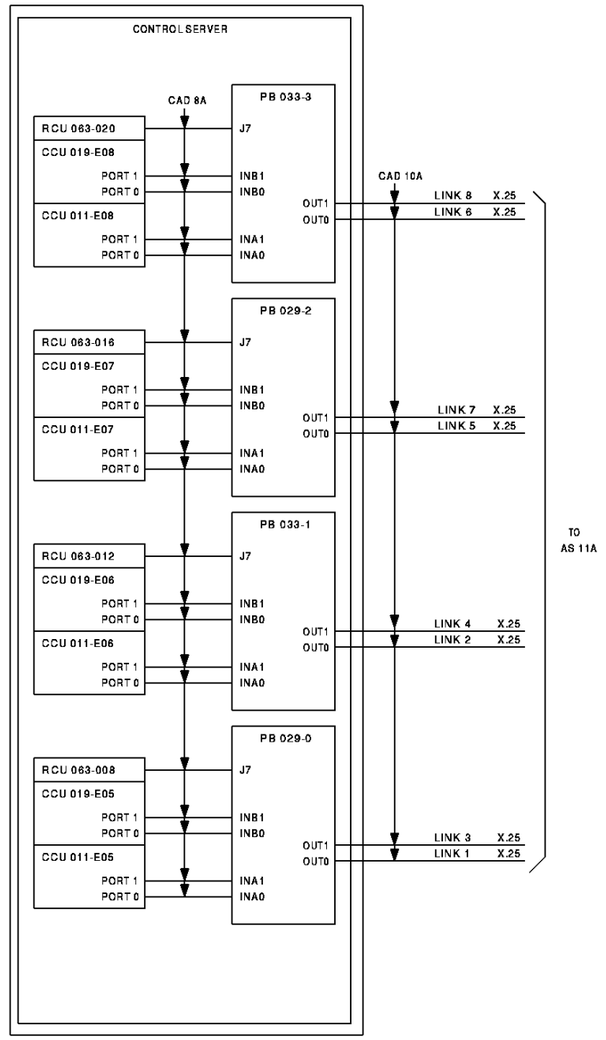
Lucent Technologies | SD-1S008-01 | SHEET B27

# AS 13A Ⓨ

X.25, V.35/SS7 INTERFACE

PROGRAM RELEASE R7




NOTE:

1. FOR 2 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK2
   FOR 4 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK3
   FOR 8 V.35/SS7 LINK APPLICATIONS - OUT0 = LINK 1, OUT1 = LINK3



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B28 |

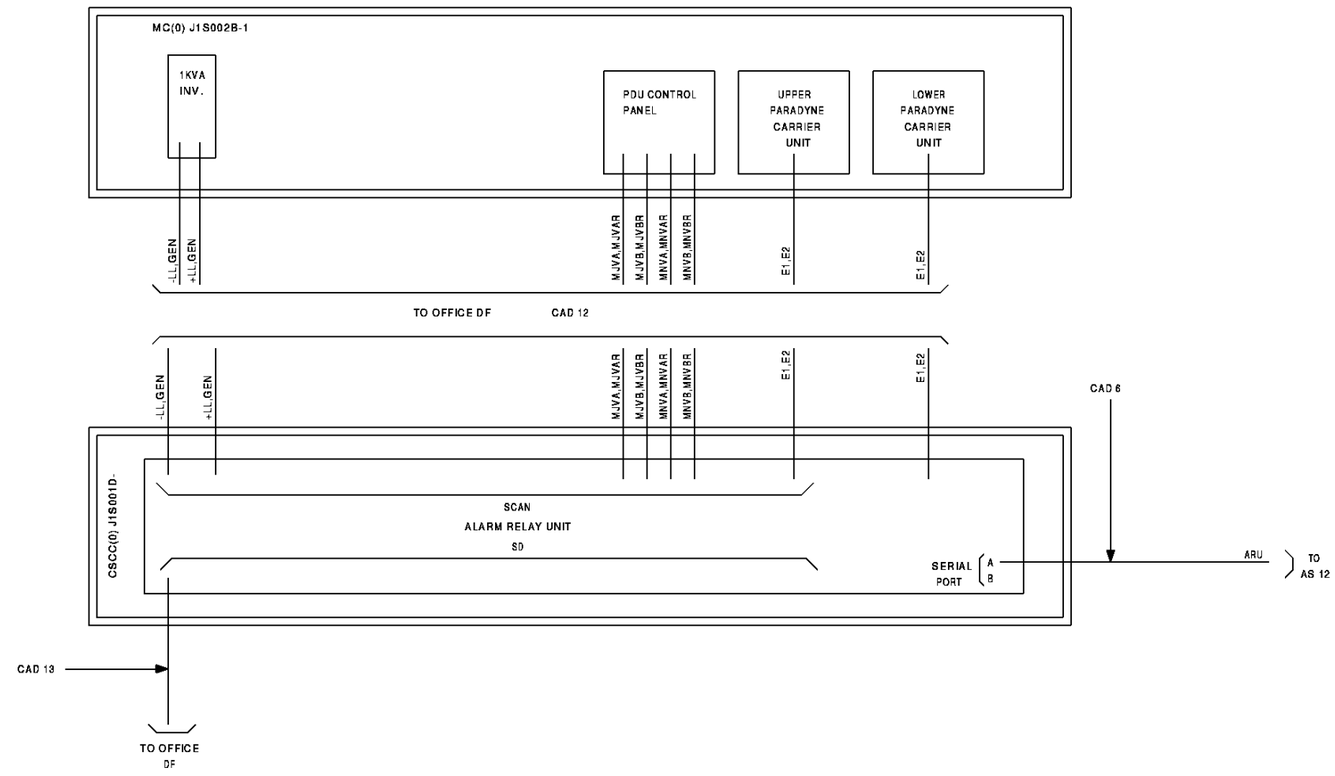
# AS 14 ⓩ

ALARM RELAY INTERFACE

RELEASE R6 & EARLIER

OR STARSERVER SYSTEMS

CONVERTED TO RELEASE R7






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

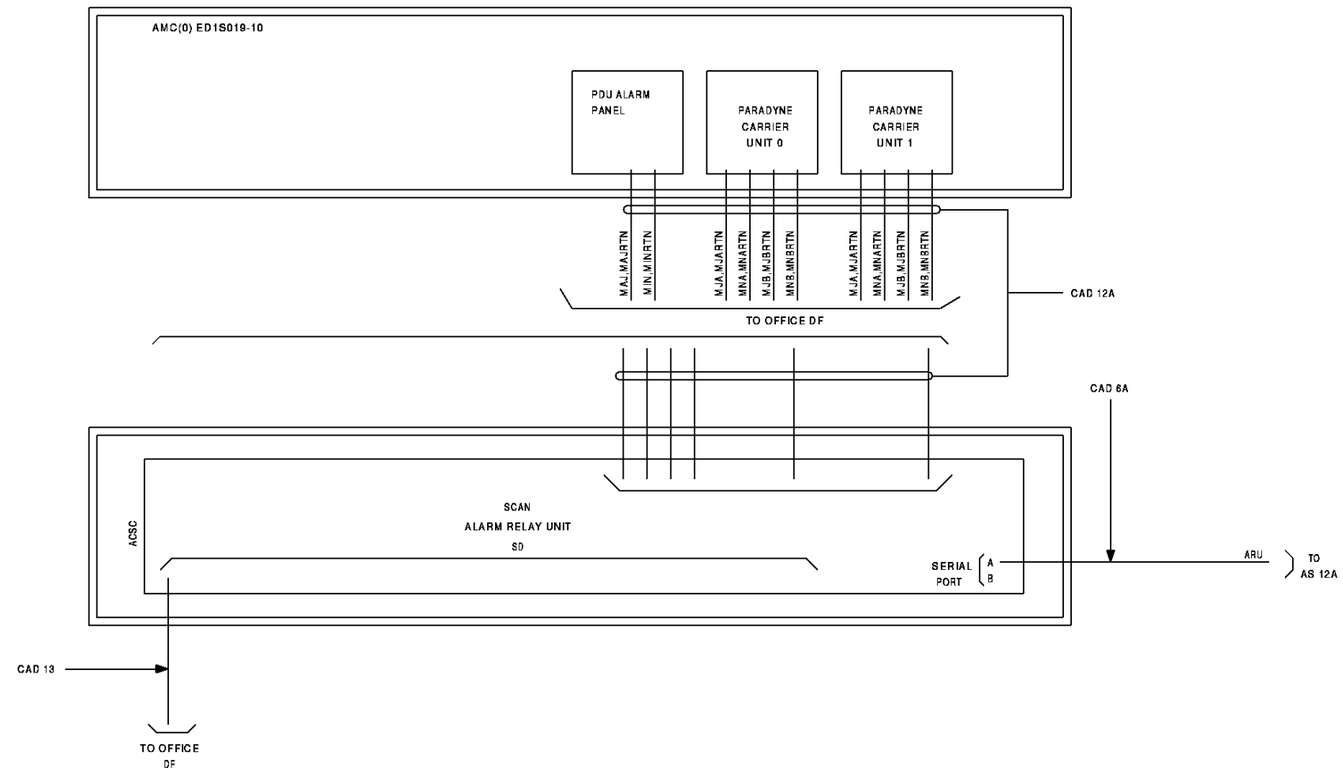
| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B29 |

# AS 14A Ⓨ

ALARM RELAY INTERFACE

ADVANTAGE SYSTEMS






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

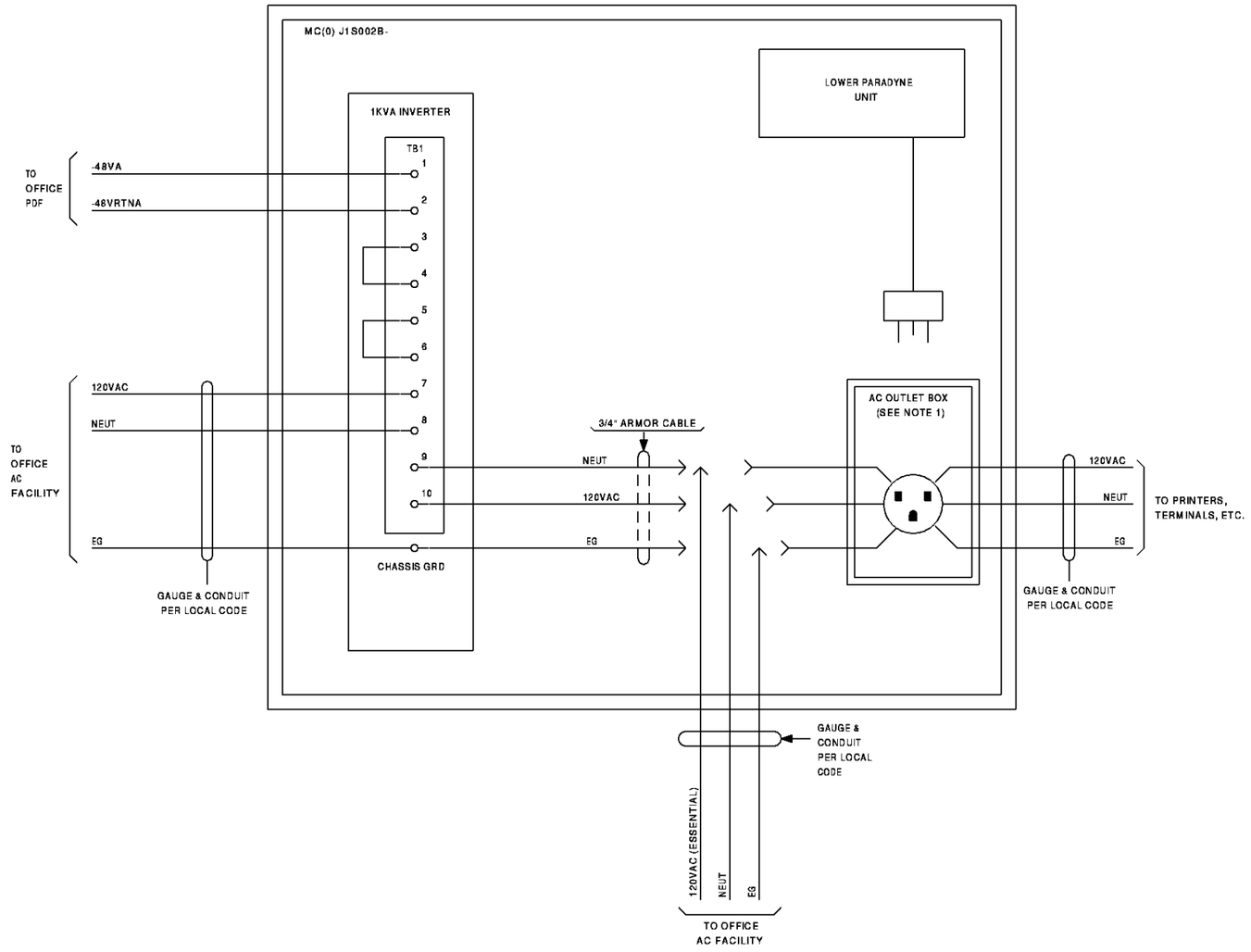
| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B30 |

# AS 15 (Z)

1KVA POWER DISTRIBUTION

NOTE:

1. 4 X 4 OUTLET BOX LOCATED AT RIGHT UPRIGHT OF MC(0), VIEWED FROM WIRING AISLE.





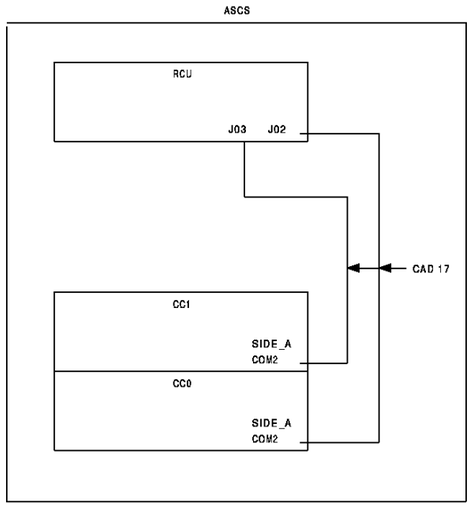

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B31 |

# AS 16

ASCS HEART BEAT CABLING





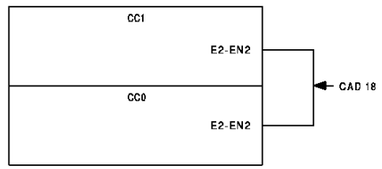

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B32 |

# AS 17

ETHERNET CABLE (BACKBONE)





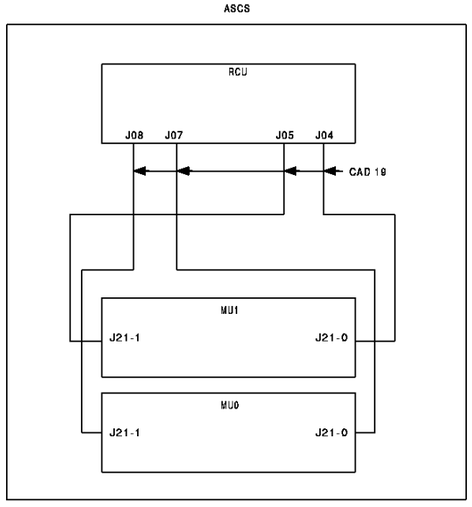

ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B33 |

# AS 18

SCSI COM






ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANATAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

| Lucent Technologies | SD-1S008-01 | SHEET |
|---|---|---|
| | | B34 |

CIRCUIT NOTES:

101.

| DESIG | FUSE AMP | POTENTIAL | ONE PER |
|---|---|---|---|
| WP92458,L12 | 12 | -48VDC | CC,PD |
| WP91768,L112 | 7 | -48VDC | MU |
| WP91768,L108 | 3 | -48VDC | FAN |
| WP91768,L107 | 2 | -48VDC | ARU |

| BATTERY SYMBOL | VOLTAGE RANGE |
|---|---|
| -48VDC | -42.75V TO -52.5V |

EQUIPMENT NOTES:



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

DWG SIZE: C2
ISSUE: 2M

Lucent Technologies

SD-1S008-01

SHEET: D1

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.

302.

| FEATURE OR OPTION | PROVIDE | | |
|---|---|---|---|
| | APP FIG | APP OR WRG | QUANTITY |

303.

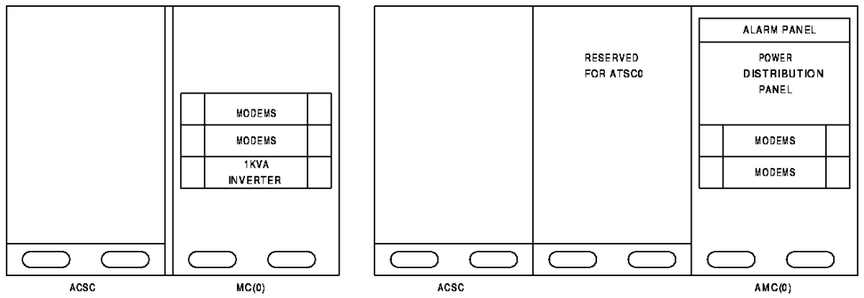
| RECORD OF FIGURES, WIRING AND APPARATUS CHANGES | | | | | |
|---|---|---|---|---|---|
| CHANGED ON ISS | IF JOB RECORDS DO NOT SPECIFY | THIS OPTION WAS FURN | SEE NOTE | USE IN CIRCUIT | |
| | | | | AVAIL | DA |
| 2 | Y OR Z | Z | | Y | Z |

INFORMATION NOTES (CONT'D)

304. LEAD NAMES (LINK SET 1, LINK CODE 0, ETC) APPEARING IN AS11 ARE RECOMMENDED FOR ASSIGNMENT TO THE EVEN AND ODD SIGNAL TRANSFER POINTS (STPS). THESE ASSIGNMENTS PROVIDE FOR THE MOST RELIABLE "A" LINK DIVERSITY BETWEEN THE SCP AND STPS.
STARSERVER SYSTEMS AND CONVERSION SYSTEMS ONLY.

INFORMATION NOTES (CONT'D)

305. PHYSICAL LAYOUT




306. FLOOR PLAN DATA

1. ADDITIONAL FLOOR SPACE MUST BE PROVIDED FOR PERIPHERAL EQUIPMENT (E.G. PRINTERS AND TERMINALS).

2. ALL CABINETS ARE 72 INCHES HIGH.

3. THE RECOMMENDED SCP CONFIGURATION IS SHOWN IN FIGURE A.

4. ALL CABINETS SHOULD ALLOW 3 FEET CLEARANCE IN THE FRONT OF THE CABINET AND 2 FEET IN THE BACK OF THE CABINET.

5. THE ACSC SHOULD NOT BE SEPERATED FROM THE MISCELLANEOUS CABINET UNLESS ABSOLUTELY NECESSARY. HOWEVER, THE MISC. CABINET CAN BE MOVED 20 CABLE FEET FROM THE ACSC IF NECESSARY. IF THIS IS DONE, A RACEWAY SHOULD BE PROVIDED TO ALLOW ACSC CABINETS TO BE ROUTED TO THE OVERHEAD CABLE RACK.

6. REFERENCE SD5D001-02 FOR MORE DETAILED INFORMATION CONCERNING COLUMNS, CROSS-AISLES, ETC.

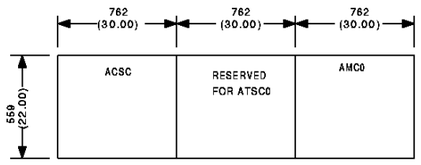



FIGURE A

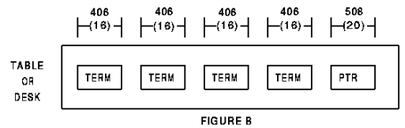



FIGURE B
STARSERVER SYSTEMS

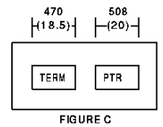



FIGURE C
ADVANTAGE SYSTEMS



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

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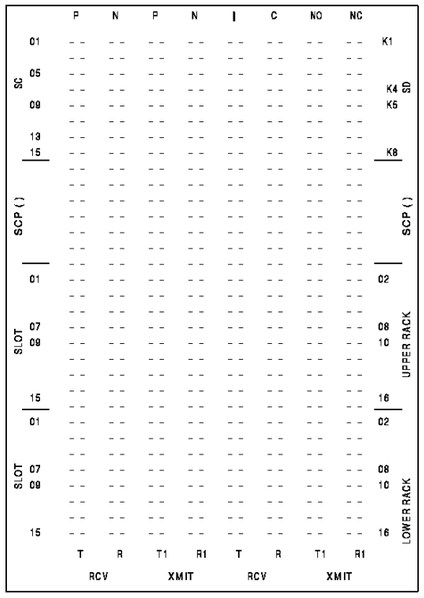
INFORMATION NOTES: (CONT)

307. TYPICAL STAMPING FOR DISTRIBUTION FRAME TERMINATIONS.

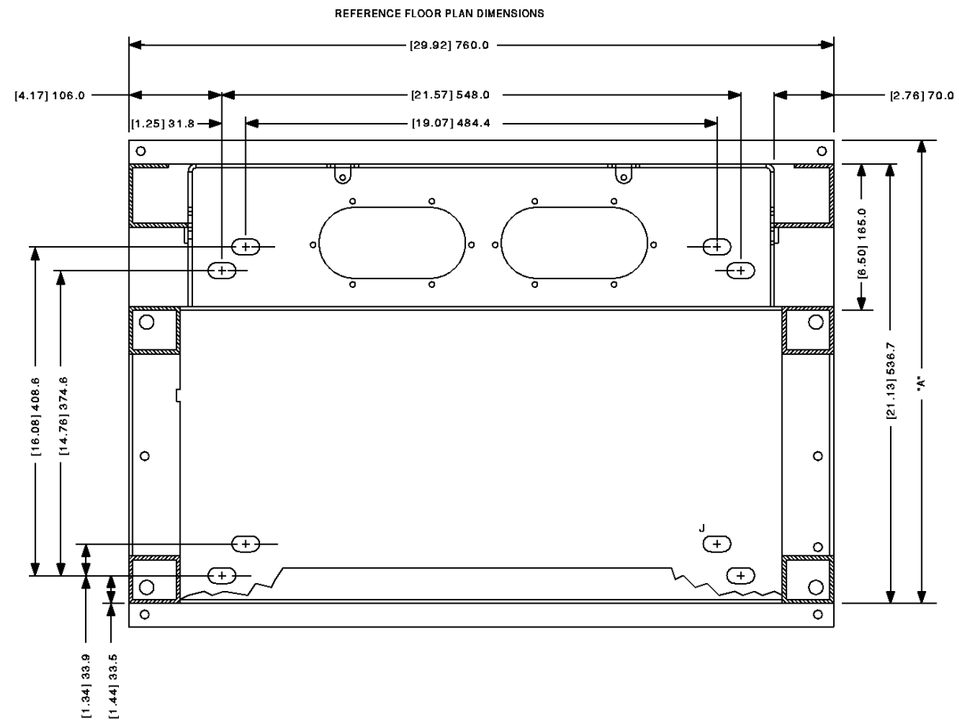
A. SCANNER (CAD 12), SIGNAL DISTRIBUTOR (CAD 13)
AND PARADYNE CARRIER UNIT (CAD 14).




INFORMATION NOTES: (CONT'D)

308. REFERENCE FLOOR PLAN DATA

REFERENCE FLOOR PLAN DIMENSIONS



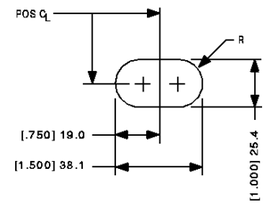




FIG. J

| CABINET DET. | "A" DIMENSION (NOMINAL) | |
|---|---|---|
| | WITH DOOR FRAMES ONLY | WITH DOORS |
| ED5D785 | 23.43" (595.0MM) | 23.62" (600.0MM) |



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

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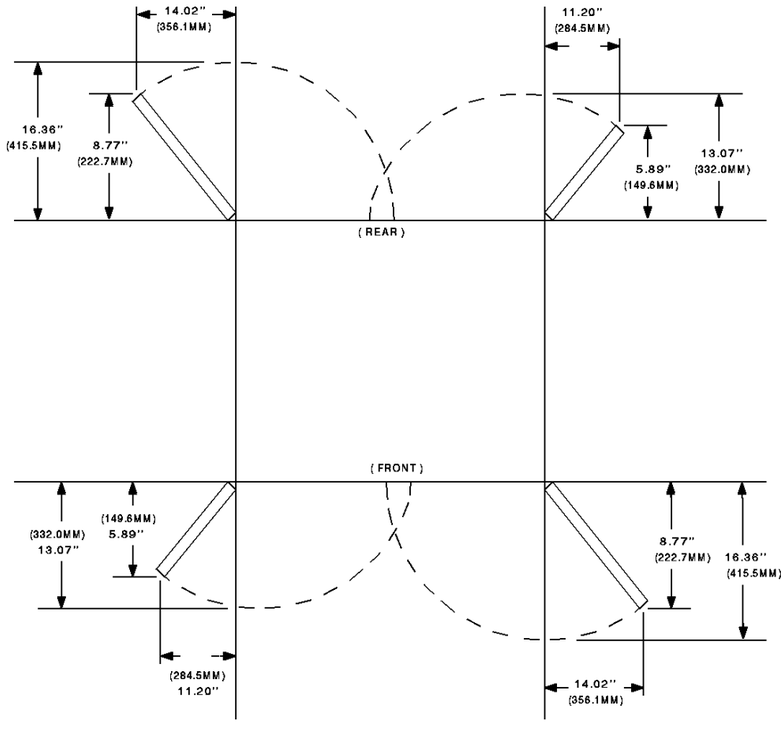
INFORMATION NOTES: (CONT'D)

309. SWITCH CABINET DOOR SWING

5ESS-2000 SWITCH CABINET DOOR SWING

( CABINET DETAIL )




INFORMATION NOTES: (CONT'D)

310. MODEMS ARE TO BE ASSIGNED ON A JOB BASIS. -48V MODEM RACKS ARE POWERED BY TWO FEEDERS, ONE FROM "A" BUS AND ONE FROM"B" BUS. THE ENTIRE RACK, 16 SLOTS, IS POWERED BY ONE FEED. FAILURE OF THAT FEED SWITCHES POWER TO THE OTHER.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

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|---|---|---|

# CAD 1 (Z)

INTRA ACSC POWER CABLES -48VDC

| | FROM | | | TO | | |
|---|---|---|---|---|---|---|
| SIDE | UNIT | EQL OR POSITION | | UNIT | EQL OR POSITION | |
| 0 | MFFU | EQL | 69-014-A | RCU | POS | SLOT 2, PB 25 |
| | MFFU | EQL | 69-023-A | MU0 | POS | 48-01-J22-0 |
| | MFFU | EQL | 69-023-ARTN | MU0 | POS | 48-01-J22-0 |
| | MFFU | EQL | 69-032-A | FAN (E) | EQL | 36-010-010 |
| | MFFU | EQL | 69-032-B | MU1 | POS | 55-01-J22-0 |
| | MFFU | EQL | 69-032-BRTN | MU1 | POS | 55-01-J22-0 |
| | MFFU | EQL | 69-032-ARTN | FAN (E) | EQL | 36-010-009 |
| | MFFU | EQL | 69-041-A | FAN (F) | EQL | 36-010-012 |
| | MFFU | EQL | 69-041-ARTN | FAN (F) | EQL | 36-010-011 |
| | MFFU | EQL | 69-014-ARTN | CC-0 | POS | -48VRET |
| | RCU | POS | SLOT 2, PB 42 | CC-0 | POS | -48V |
| | MU0 | POS | | RCU | POS | PB26 (+5V) |
| | MU0 | POS | | RCU | POS | PB44 (GRD) |
| 1 | MFFU | EQL | 69-118-A | RCU | POS | SLOT 3, PB 24 |
| | MFFU | EQL | 69-127-A | MU0 | POS | 48-14-J22-1 |
| | MFFU | EQL | 69-127-ARTN | MU0 | POS | 48-14-J22-1 |
| | MFFU | EQL | 69-141-A | FAN (G) | EQL | 36-010-014 |
| | MFFU | EQL | 69-141-ARTN | FAN (G) | EQL | 36-010-013 |
| | MFFU | EQL | 69-141B | MU1 | POS | 55-14-J22-1 |
| | MFFU | EQL | 69-141-BRTN | MU1 | POS | 55-14-J22-1 |
| | MFFU | EQL | 69-118-ARTN | CC-1 | POS | -48V RET |
| | RCU | POS | SLOT 3, PB 41 | CC-1 | POS | -48V |
| | MU0 | POS | | RCU | POS | PB 49 (+5V) |
| | MU0 | POS | | RCU | POS | PB 52 (GRD) |

# CAD 1A (Y)

INTRA ACSC POWR CABLES, -48V & +5V

| | FROM | | TO | |
|---|---|---|---|---|
| SIDE | UNIT | EQL OR POSITION | UNIT | EQL OR POSITION |
| 0 | MFFU | 069-014-A | RCU | 063-SLOT 2, PB25 |
| | MFFU | 069-014-ARTN | CC0 | 011-(-)48 VRTN |
| | RCU | 063-SLOT 2, PB42 | CC0 | 011-(-)48 V |
| | MFFU | 069-23-A | MU0 | 048-PS0-J22-3 & 4 |
| | MFFU | 069-023-ARTN | MU0 | 048-PS0-J22-1 & 2 |
| | MFFU | 069-032-A | FAN E | 036-010-010 |
| | MFFU | 069-032-ARTN | FAN E | 036-010-009 |
| | MFFU | 069-032-B | MU1 | 055-PS0-J22-3 & 4 |
| | MFFU | 069-032-BRTN | MU1 | 055-PS0-J22-1 & 2 |
| | MFFU | 069-041-A | FAN F | 036-010-012 |
| | MFFU | 069-041-ARTN | FAN F | 036-010-011 |
| | MU0 | 048-PS0-J18-1,5,6 | RCU | 063-PB26(+5V) |
| | MU0 | 048-PS0-J18-2,3,4 | RCU | 063-PB44(GND) |
| | FRAME UPRIGHT | 062-000 | RCU | 063-PB44 |
| | FRAME UPRIGHT | 059-000 | MU1 | 055-PS0-J18-3 |
| | FRAME UPRIGHT | 058-000 | MU1 | 055-PS0-J18-4 |
| | MU1 | 055-PS0-J18-1 | MU1 | 055-PS0-J18-5 |
| | MU1 | 055-PS0-J18-2 | MU1 | 055-PS0-J18-3 |
| | MFFU | 069-041-B | ARU PWR SUPPLY | 024-(-)48V |
| | MFFU | 069-041-BRTN | ARU PWR SUPPLY | 024-(-)48VRTN |
| 1 | MFFU | 069-118-A | RCU | 063-SLOT 3-PB24 |
| | MFFU | 069-118-ARTN | CC1 | 020-(-)48VRTN |
| | RCU | 063-SLOT 3-PB41 | CC1 | 020-(-)48V |
| | MFFU | 069-127-A | MU0 | 048-PS1-J22-3 & 4 |
| | MFFU | 069-127-ARTN | MU0 | 048-PS1-J22-1 & 2 |
| | MFFU | 069-141-A | FAN G | 036-010-014 |
| | MFFU | 069-141-ARTN | FAN G | 036-010-013 |
| | MFFU | 069-141-B | MU1 | 055-PS1-J22-3 & 4 |
| | MFFU | 069-141-BRTN | MU1 | 055-PS1-J22-1 & 2 |
| | MU0 | 048-PS1-J18-1,5,6 | RCU | 063-PB49(+5V) |
| | MU0 | 048-PS1-J18-2,3,4 | RCU | 063-PB52(GND) |
| | FRAME UPRIGHT | 062-192 | RCU | 063-PB52 |
| | FRAME UPRIGHT | 059-192 | MU1 | 055-PS1-J18-3 |
| | FRAME UPRIGHT | 058-192 | MU1 | 055-PS1-J18-4 |
| | MU1 | 055-PS1-J18-1 | MU1 | 055-PS1-J18-5 |
| | MU1 | 055-PS1-J18-2 | MU1 | 055-PS1-J18-3 |

NOTES:
1. REFER TO ED1S015-60 FOR ORDERING INFORMATION.

# CAD 2

INTRA-ACSC SCSI CABLING

| FROM | | TO | |
|---|---|---|---|
| UNIT | PORT | UNIT | PORT |
| CC0 | PCI0-P0 | MU0 | SIDE 0-SCSI IN0 |
| CC0 | PCI1-P0 | MU0 | SIDE 1-SCSI IN0 |
| CC1 | PCI0-P0 | MU0 | SIDE 0-SCSI IN1 |
| CC1 | PCI1-P0 | MU0 | SIDE 1-SCSI IN1 |
| CC0 | PCI2-P0 | MU1 | SIDE 0-SCSI IN0 |
| CC0 | PCI3-P0 | MU1 | SIDE 1-SCSI IN0 |
| CC1 | PCI2-P0 | MU1 | SIDE 0-SCSI IN1 |
| CC1 | PCI3-P0 | MU1 | SIDE 1-SCSI IN1 |

NOTES:
1. SEE AS 9 FOR GRAPHICAL INFORMATION
2. REFER TO ED1S015-60 FOR ORDERING INFORMATION.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G1

# CAD 3 (Z)

INTER-PERIPHERAL CABINET POWER
CABLES -48VDC

SYSTEMS E/W A SWITCH FABRIC

| FROM | | | TO | | |
|---|---|---|---|---|---|
| BUS | OFFICE PDF | AMP | CABINET | FB | CABLE CODE |
| A | | 20 | ACS | 017 | G8 |
| | | 20 | ACS | 032 | G8 |
| | | 20 | ACS | 063 | G8 |
| | | 20 | ACS | 078 | G8 |
| B | | 20 | ACS | 108 | G8 |
| | | 20 | ACS | 123 | G8 |
| | | 20 | ACS | 154 | G8 |
| | | 20 | ACS | 169 | G8 |

* = ED5A079-30

# CAD 3A (Y)

INTER-PERIPHERAL CABINET POWER
CABLES -48VDC
PROGRAM RELEASE R7 AND LATER

| FROM AMCO CABINET PDU | | | | | TO | | |
|---|---|---|---|---|---|---|---|
| BUS | FB | FUSE | AMP | RET | CABINET | CONN | CABLE CODE |
| A | 1 | F1 | 25 | F1-ARET | ACSC | 68-017 | 1 |
| | | F2 | 25 | F2-ARET | | 68-032 | |
| | | F3 | 25 | F3-ARET | | 68-063 | |
| | | F4 | 25 | F4-ARET | | 68-078 | |
| | 2 | F5 | | | | | |
| | | F6 | | | | | |
| | | F7 | | | | | |
| | | F8 | | | | | |
| | 3 | F9 | | | | | |
| | | F10 | | | | | |
| | | F11 | | | | | |
| | | F12 | | | | | |
| | 4 | F13 | | | | | |
| | | F14 | | | | | |
| | | F15 | | | | | |
| | | F16 | | | | | |
| | 5 | F17 | | | | | |
| | | F18 | | | | | |
| | | F19 | | | | | |
| | | F20 | | | | | |
| | 6 | F21 | | | | | |
| | | F22 | | | | | |
| | | F23 | 25 | F23-ARET | AMCO | 41-P1 | 3 |
| | | F24 | 25 | F24-ARET | | 29-P1 | |

1=ED5A079-30,G40
3=COMCODE #847823481

| FROM AMCO CABINET PDU | | | | | TO | | |
|---|---|---|---|---|---|---|---|
| BUS | FB | FUSE | AMP | RET | CABINET | CONN | CABLE CODE |
| B | 7 | F1 | 25 | F1-BRET | ACSC | 68-108 | 2 |
| | | F2 | 25 | F2-BRET | | 68-123 | |
| | | F3 | 25 | F3-BRET | | 68-154 | |
| | | F4 | | | | | |
| | 8 | F5 | | | | | |
| | | F6 | | | | | |
| | | F7 | | | | | |
| | | F8 | | | | | |
| | 9 | F9 | | | | | |
| | | F10 | | | | | |
| | | F11 | | | | | |
| | | F12 | | | | | |
| | 10 | F13 | | | | | |
| | | F14 | | | | | |
| | | F15 | | | | | |
| | | F16 | | | | | |
| | 11 | F17 | | | | | |
| | | F18 | | | | | |
| | | F19 | | | | | |
| | | F20 | | | | | |
| | 12 | F21 | | | | | |
| | | F22 | | | | | |
| | | F23 | 25 | F23-BRET | | 41-P5 | 3 |
| | | F24 | 25 | F24-BRET | | 29-P5 | |

2=ED5A079-30,G42



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G2

# CAD 4

INTRA ACSC ALARM CABLING

| FROM | | TO | | NOTE |
|---|---|---|---|---|
| UNIT | EQL OR POSITION | UNIT | EQL OR POSITION | |
| CC0 | TB-SIG IN-1(+) | MFFU | 068-098-117 | FUSE ALARM REQUIRES A 17.8K RESISTOR IN SERIES |
| CC0 | TB-SIG IN-1(-) | MFFU | 068-098-103 | |
| CC1 | TB-SIG IN-1(+) | MFFU | 068-098-112 | FUSE ALARM REQUIRES A 17.8K RESISTOR IN SERIES |
| CC1 | TB-SIG IN-1(-) | MFFU | 068-098-106 | |
| MFFU | 068-098-003 | MFFU | 068-098-006 | JUMPER A & B ALARMS |
| CC0 | TB-SIG IN-2(+) | MU0 | 048-PS0-J20, PIN 1 | MEDIA UNIT 0 POWER 0 ALARM |
| CC0 | TB-SIG IN-2(-) | MU0 | 048-PS0-J20, PIN 2 | |
| MU0 | 048-PS1-J20,PIN 1 | MU0 | 048-PS0-J20, PIN 3 | |
| MU0 | 048-PS1-J20,PIN 2 | MU0 | 048-PS0-J20, PIN 4 | |
| CC1 | TB-SIG IN-2(+) | MU0 | 048-PS0-J20, PIN 3 | MEDIA UNIT 0 POWER 0 ALARM |
| CC1 | TB-SIG IN-2(-) | MU0 | 048-PS0-J20, PIN 4 | |
| CC0 | TB-SIG IN-2(+) | MU0 | 048-PS1-J20, PIN 1 | MEDIA UNIT 0 POWER 1 ALARM |
| CC0 | TB-SIG IN-2(-) | MU0 | 048-PS1-J20, PIN 2 | |
| MU0 | 048-PS1-J20, PIN 1 | MU0 | 048-PS1-J20, PIN 3 | |
| MU0 | 048-PS1-J20, PIN 2 | MU0 | 048-PS1-J20, PIN 4 | |
| CC1 | TB-SIG IN-2(+) | MU0 | 048-PS1-J20, PIN 3 | MEDIA UNIT 0 POWER 1 ALARM |
| CC1 | TB-SIG IN-2(-) | MU0 | 048-PS1-J20, PIN 4 | |
| CC0 | TBSIG IN-3(+) | CU | 036-J2/004-211 | SOME OLD DTI UNITS NEED AN 820 OHM RESISTOR IN SERIES |
| CC0 | TB-SIG IN-3(-) | CU | 036-J2/004-210 | |
| CC1 | TB-SIG IN-3(+) | CU | 036-J3/004-301 | SOME OLD DTI UNITS NEED AN 820 OHM RESISTOR IN SERIES |
| CC1 | TB-SIG IN-3(-) | CU | 036-J3/004-300 | |
| CC0 | TB-SIG IN-4(+) | MU1 | 055-PS0-J20, PIN 1 | MEDIA UNIT 1 POWER 0 ALARM |
| CC0 | TB-SIG IN-4(-) | MU1 | 055-PS0-J20, PIN 2 | |
| MU1 | 055-PS0-J20, PIN 1 | MU1 | 055-PS0-J20, PIN 3 | |
| MU1 | 055-PS0-J20, PIN 2 | MU1 | 055-PS0-J20, PIN 4 | |
| CC1 | TB-SIG IN-4(+) | MU1 | 055-PS0-J20, PIN 3 | MEDIA UNIT 1 POWER 0 ALARM |
| CC1 | TB-SIG IN-4(-) | MU1 | 055-PS0-J20, PIN 4 | |
| CC0 | TB-SIG IN-4(+) | MU1 | 055-PS1-J20, PIN 1 | MEDIA UNIT 1 POWER 1 ALARM |
| CC0 | TB-SIG IN-4(-) | MU1 | 055-PS1-J20, PIN 2 | |
| MU1 | 055-PS1-J20, PIN 1 | MU1 | 055-PS1-J20, PIN 3 | |
| MU1 | 055-PS1-J20, PIN 2 | MU1 | 055-PS1-J20, PIN 4 | |
| CC1 | TB-SIG IN-4(+) | MU1 | 055-PS1-J20, PIN 3 | MEDIA UNIT 1 POWER 1 ALARM |
| CC1 | TB-SIG IN-4(-) | MU1 | 055-PS1-J20, PIN 4 | |
| MFFU | 068-098-000 | BEZEL | FUSE IND. STRIP-1 | |
| MFFU | 068-098-001 | BEZEL | FUSE IND. STRIP-2 | |
| CU | 036-J1/004-100 | BEZEL | FAN IND. STRIP-4 | |
| CU | 036-J1/004-102 | BEZEL | FAN IND. STRIP-5 | |

NOTE: REFER TO ED1S015-60 FOR ORDERING INFORMATION.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G3

# CAD 5 (Z)

RS232 CABLING FROM THE RS232
DISTRIBUTION MODULE TO THE RCU

| FROM | | | TO | |
|---|---|---|---|---|
| RS232 DISTRIBUTION MODULE | | | RCU | CABLE CODE |
| VERT EQL | PATCH PANEL | JACK | (VERT/SLOT/PORT) | |
| 24 | DM-00 | 0 | UNUSABLE | |
| 24 | DM-10 | 0 | UNUSABLE | |
| 24 | DM-00 | 1 | 063-6-(IN-A1) | - |
| 24 | DM-10 | 1 | 063-6-(IN-B1) | - |
| 24 | DM-00 | 2 | 063-6-(IN-A2) | - |
| 24 | DM-10 | 2 | 063-6-(IN-B2) | - |
| 24 | DM-00 | 3 | 063-6-(IN-A3) | - |
| 24 | DM-10 | 3 | 063-6-(IN-B3) | - |
| 24 | DM-00 | 4 | 063-10-(IN-A0) | - |
| 24 | DM-10 | 4 | 063-10-(IN-B0) | - |
| 24 | DM-00 | 5 | 063-10-(IN-A1) | - |
| 24 | DM-10 | 5 | 063-10-(IN-B1) | - |
| 24 | DM-00 | 6 | 063-10-(IN-A2) | - |
| 24 | DM-10 | 6 | 063-10-(IN-B2) | - |
| 24 | DM-00 | 7 | 063-10-(IN-A3) | - |
| 24 | DM-10 | 7 | 063-10-(IN-B3) | - |
| 24 | DM-00 | 8 | 063-14-(IN-A0) | - |
| 24 | DM-10 | 8 | 063-14-(IN-B0) | - |
| 24 | DM-00 | 9 | 063-14-(IN-A1) | - |
| 24 | DM-10 | 9 | 063-14-(IN-B1) | - |
| 24 | DM-00 | 10 | 063-14-(IN-A2) | - |
| 24 | DM-10 | 10 | 063-14-(IN-B2) | - |
| 24 | DM-00 | 11 | 063-14-(IN-A3) | - |
| 24 | DM-10 | 11 | 063-14-(IN-B3) | - |
| 24 | DM-00 | 12 | 063-18-(IN-A0) | - |
| 24 | DM-10 | 12 | 063-18-(IN-B0) | - |
| 24 | DM-00 | 13 | 063-18-(IN-A1) | - |
| 24 | DM-10 | 13 | 063-18-(IN-B1) | - |
| 24 | DM-00 | 14 | 063-18-(IN-A2) | - |
| 24 | DM-10 | 14 | 063-18-(IN-B2) | - |
| 24 | DM-00 | 15 | 063-18-(IN-A3) | - |
| 24 | DM-10 | 15 | 063-18-(IN-B3) | - |

| FROM | | | TO | |
|---|---|---|---|---|
| RS232 DISTRIBUTION MODULE | | | RCU | CABLE CODE |
| VERT EQL | PATCH PANEL | JACK | (VERT/SLOT/PORT) | |
| 24 | DM-01 | 0 | 063-22-(IN-A0) | |
| 24 | DM-11 | 0 | 063-22-(IN-B0) | |
| 24 | DM-01 | 1 | 063-22-(IN-A1) | - |
| 24 | DM-11 | 1 | 063-22-(IN-B1) | - |
| 24 | DM-01 | 2 | 063-22-(IN-A2) | - |
| 24 | DM-11 | 2 | 063-22-(IN-B2) | - |
| 24 | DM-01 | 3 | 063-22-(IN-A3) | - |
| 24 | DM-11 | 3 | 063-22-(IN-B3) | - |
| 24 | DM-01 | 4 | 063-24-(IN-A0) | - |
| 24 | DM-11 | 4 | 063-24-(IN-B0) | - |
| 24 | DM-01 | 5 | 063-24-(IN-A1) | - |
| 24 | DM-11 | 5 | 063-24-(IN-B1) | - |
| 24 | DM-01 | 6 | 063-24-(IN-A2) | - |
| 24 | DM-11 | 6 | 063-24-(IN-B2) | - |
| 24 | DM-01 | 7 | 063-24-(IN-A3) | - |
| 24 | DM-11 | 7 | 063-24-(IN-B3) | - |
| 24 | DM-01 | 8 | 063-26-(IN-A0) | - |
| 24 | DM-11 | 8 | 063-26-(IN-B0) | - |
| 24 | DM-01 | 9 | 063-26-(IN-A1) | - |
| 24 | DM-11 | 9 | 063-26-(IN-B1) | - |
| 24 | DM-01 | 10 | 063-26-(IN-A2) | - |
| 24 | DM-11 | 10 | 063-26-(IN-B2) | - |
| 24 | DM-01 | 11 | 063-26-(IN-A3) | - |
| 24 | DM-11 | 11 | 063-26-(IN-B3) | - |
| 24 | DM-01 | 12 | 063-28-(IN-A0) | - |
| 24 | DM-11 | 12 | 063-28-(IN-B0) | - |
| 24 | DM-01 | 13 | 063-28-(IN-A1) | - |
| 24 | DM-11 | 13 | 063-28-(IN-B1) | - |
| 24 | DM-01 | 14 | 063-28-(IN-A2) | - |
| 24 | DM-11 | 14 | 063-28-(IN-B2) | - |
| 24 | DM-01 | 15 | 063-28-(IN-A3) | - |
| 24 | DM-11 | 15 | 063-28-(IN-B3) | - |

# CAD 6 (Z)

RS232 INTER-CABINET CABLING

| PORT | FUNCTION | CAB | FROM EQL | CAB | TO EQL | CABLE CODE |
|---|---|---|---|---|---|---|
| 0 | | ACS | 063-C06-OUT0 | | | |
| 1 | MTCE | ACS | 063-C06-OUT1 | | LMT | 1 |
| 2 | ALARM | ACS | 063-C06-OUT2 | | ARU | 2 |
| 3 | PRINTER | ACS | 063-C06-OUT3 | | ROP | 3 |
| 4 | USER | ACS | 063-C10-OUT0 | | SMSI | 4 |
| 5 | RMT | ACS | 063-C10-OUT1 | | RMT | 4 |
| 6 | SCCCI | ACS | 063-C10-OUT2 | | SCCCI | 4 |
| 7 | SCC | ACS | 063-C10-OUT3 | | SCC | 4 |
| 8 | | ACS | 063-C14-OUT0 | | | |
| 9 | | ACS | 063-C14-OUT1 | | | |
| 10 | | ACS | 063-C14-OUT2 | | | |
| 11 | USER | ACS | 063-C14-OUT3 | | | |
| 12 | USER | ACS | 063-C18-OUT0 | | | |
| 13 | USER | ACS | 063-C18-OUT1 | | | |
| 14 | USER | ACS | 063-C18-OUT2 | | | |
| 15 | USER | ACS | 063-C18-OUT3 | | | |
| 16 | USER | ACS | 063-C22-OUT0 | | | |
| 17 | USER | ACS | 063-C22-OUT1 | | | |
| 18 | USER | ACS | 063-C22-OUT2 | | | |
| 19 | USER | ACS | 063-C22-OUT3 | | | |
| 20 | USER | ACS | 063-C24-OUT0 | | | |
| 21 | USER | ACS | 063-C24-OUT1 | | | |
| 22 | USER | ACS | 063-C24-OUT2 | | | |
| 23 | USER | ACS | 063-C24-OUT3 | | | |
| 24 | USER | ACS | 063-C26-OUT0 | | | |
| 25 | USER | ACS | 063-C26-OUT1 | | | |
| 26 | USER | ACS | 063-C26-OUT2 | | | |
| 27 | USER | ACS | 063-C26-OUT3 | | | |
| 28 | USER | ACS | 063-C28-OUT0 | | | |
| 29 | USER | ACS | 063-C28-OUT1 | | | |
| 30 | USER | ACS | 063-C28-OUT2 | | | |
| 31 | USER | ACS | 063-C28-OUT3 | | | |

1 = ED1S002-22,G4
2 = ED1S002-22,G3
3 = ED1S002-22,G5
4 = ED1S002-22,G40



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G4

# CAD 5A (Y)

RS232 CABLING FROM THE DISTRIBUTION MODULES TO THE RCU

| FROM RS232 DISTRIBUTION MODULE | | | TO RCU | | |
|---|---|---|---|---|---|
| VERT EQL | MODULE | PORT | VERT EQL | SLOT | PORT |
| 024 | DM-00 | 0 | 063 | 006 | INA0 |
| | DM-10 | 0 | | 006 | INB0 |
| | DM-00 | 1 | | 006 | INA1 |
| | DM-10 | 1 | | 006 | INB1 |
| | DM-00 | 2 | | 006 | INA2 |
| | DM-10 | 2 | | 006 | INB2 |
| | DM-00 | 3 | | 006 | INA3 |
| | DM-10 | 3 | | 006 | INB3 |
| | DM-00 | 4 | | 010 | INA0 |
| | DM-10 | 4 | | 010 | INB0 |
| | DM-00 | 5 | | 010 | INA1 |
| | DM-10 | 5 | | 010 | INB1 |
| | DM-00 | 6 | | 010 | INA2 |
| | DM-10 | 6 | | 010 | INB2 |
| | DM-00 | 7 | | 010 | INA3 |
| | DM-10 | 7 | | 010 | INB3 |
| | DM-00 | 8 | | 014 | INA0 |
| | DM-10 | 8 | | 014 | INB0 |
| | DM-00 | 9 | | 014 | INA1 |
| | DM-10 | 9 | | 014 | INB1 |
| | DM-00 | 10 | | 014 | INA2 |
| | DM-10 | 10 | | 014 | INB2 |
| | DM-00 | 11 | | 014 | INA3 |
| | DM-10 | 11 | | 014 | INB3 |
| | DM-00 | 12 | | 018 | INA0 |
| | DM-10 | 12 | | 018 | INB0 |
| | DM-00 | 13 | | 018 | INA1 |
| | DM-10 | 13 | | 018 | INB1 |
| | DM-00 | 14 | | 018 | INA2 |
| | DM-10 | 14 | | 018 | INB2 |
| | DM-00 | 15 | | 018 | INA3 |
| | DM-10 | 15 | | 018 | INB3 |
| | DM-01 | 0 | | 022 | INA0 |
| | DM-11 | 0 | | 022 | INB0 |
| | DM-01 | 1 | | 022 | INA1 |
| | DM-11 | 1 | | 022 | INB1 |
| | DM-01 | 2 | | 022 | INA2 |
| | DM-11 | 2 | | 022 | INB2 |
| | DM-01 | 3 | | 022 | INA3 |
| | DM-11 | 3 | | 022 | INB3 |
| | DM-01 | 4 | | 028 | INA0 |
| | DM-11 | 4 | | 028 | INB0 |
| | DM-01 | 5 | | 028 | INA1 |
| | DM-11 | 5 | | 028 | INB1 |
| | DM-01 | 6 | | 028 | INA2 |
| | DM-11 | 6 | | 028 | INB2 |
| | DM-01 | 7 | | 028 | INA3 |
| | DM-11 | 7 | | 028 | INB3 |

NOTE: REFER TO ED1S015-60 FOR ORDERING INFORMATION

# CAD 6A (Y)

RS232 INTER-CABINET CABLING FOR R7 AND ABOVE

| PORT | FUNCTION | FROM RCU RS232 PADDLEBOARDS | | TO | | CABLE CODE |
|---|---|---|---|---|---|---|
| | | CABINET | VEQL-SLOT-PORT | CABINET | UNIT/VEQL-PORT | |
| 0 | USER | ACSC | 063-006-OUT0 | | | 1 |
| 1 | MTCE | | 063-006-OUT1 | | LMT | |
| 2 | ALARM | | 063-006-OUT2 | ACSC | ARU/-PORT A | |
| 3 | PRINTER | | 063-006-OUT3 | | ROP | |
| 4 | USER | | 063-010-OUT0 | | | |
| 5 | RMT | | 063-010-OUT1 | AMC0 | RMT | |
| 6 | SCCCI | | 063-010-OUT2 | AMC0 | SCCI | |
| 7 | SCC | | 063-010-OUT3 | AMC0 | SCC | |
| 8 | USER | | 063-014-OUT0 | | | |
| 9 | | | 063-014-OUT1 | | | |
| 10 | | | 063-014-OUT2 | | | |
| 11 | | | 063-014-OUT3 | | | |
| 12 | | | 063-018-OUT0 | | | |
| 13 | | | 063-018-OUT1 | | | |
| 14 | | | 063-018-OUT2 | | | |
| 15 | | | 063-018-OUT3 | | | |
| 16 | | | 063-022-OUT0 | | | |
| 17 | | | 063-022-OUT1 | | | |
| 18 | | | 063-022-OUT2 | | | |
| 19 | | | 063-022-OUT3 | | | |
| 20 | | | 063-024-OUT0 | | | |
| 21 | | | 063-024-OUT1 | | | |
| 22 | | | 063-024-OUT2 | | | |
| 23 | | | 063-024-OUT3 | | | |



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

DWG SIZE: C2
ISSUE: 2M

Lucent Technologies | SD-1S008-01 | SHEET: G5

# CAD 7 (Z)

(SEE AS 8A THRU AS 8EA)
CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND V.35 DISTRIBUTION PANEL

| FROM | | TO | | CABLE CODE | NOTE |
|---|---|---|---|---|---|
| UNIT | EQL (VERT/SLOT/PORT) | UNIT | EQL (VERT/SLOT/PORT) | | |
| RCU | 63-02-AUX0 | RCU | 63-06-AUX0 | A | --- |
| | 63-06-AUX1 | | 63-10-AUX0 | A | --- |
| | 63-10-AUX1 | | 63-14-AUX0 | A | 1 |
| | 63-14-AUX1 | | 63-18-AUX0 | A | 1 |
| | 63-18-AUX1 | | NULL MODEM | A | 1 |
| | NULL MODEM | | 63-02-AUX1 | A | 1 |

A = CC 407472182

# CAD 7AA (Y)

CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND RS232 A/B SWITCH PADDLEBOARDS, AND V.35 PADDLEBOARDS.
16 RS232, 4 X.25 AND 2 SS7 LINKS.

| FROM | | TO | |
|---|---|---|---|
| UNIT | EQL | UNIT | EQL |
| RCU BACKPLANE | 063-002-AUX0 | RS232 SW | 063-SLOT 6-AUX 0 |
| RS232 SW | 063-SLOT 6-AUX 1 | RS232 SW | 063-SLOT 10-AUX 0 |
| RS232 SW | 063-SLOT 10-AUX 1 | RS232 SW | 063-SLOT 14-AUX 0 |
| RS232 SW | 063-SLOT 14-AUX 1 | RS232 SW | 063-SLOT 18-AUX 0 |
| RS232 SW | 063-SLOT 18-AUX 1 | X.25 PB | 029-00-AUX 0 |
| X.25 PB | 029-00-AUX 1 | X.25 PB | 033-01-AUX 0 |
| X.25 PB | 033-01-AUX 1 | SS7 PB | 029-04-AUX 0 |
| SS7 PB | 029-04-AUX 1 | NULL MODEM | IN LINE OF CABLE |
| NULL MODEM | IN LINE OF CABLE | RCU BACKPLANE | 063-002-AUX 1 |

# CAD 7BA (Y)

CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND RS232 A/B SWITCH PADDLEBOARDS, AND V.35 PADDLEBOARDS.
16 RS232, 4 X.25 AND 4 SS7 LINKS.

| FROM | | TO | |
|---|---|---|---|
| UNIT | EQL | UNIT | EQL |
| RCU BACKPLANE | 063-002-AUX0 | RS232 SW | 063-SLOT 6-AUX 0 |
| RS232 SW | 063-SLOT 6-AUX 1 | RS232 SW | 063-SLOT 10-AUX 0 |
| RS232 SW | 063-SLOT 10-AUX 1 | RS232 SW | 063-SLOT 14-AUX 0 |
| RS232 SW | 063-SLOT 14-AUX 1 | RS232 SW | 063-SLOT 18-AUX 0 |
| RS232 SW | 063-SLOT 18-AUX 1 | X.25 PB | 029-00-AUX 0 |
| X.25 PB | 029-00-AUX 1 | X.25 PB | 033-01-AUX 0 |
| X.25 PB | 033-01-AUX 1 | X.25 PB | 029-02-AUX 0 |
| X.25 PB | 029-02-AUX 1 | X.25 PB | 033-03-AUX 0 |
| X.25 PB | 033-03-AUX 1 | SS7 PB | 029-04-AUX 0 |
| SS7 PB | 029-04-AUX 1 | SS7 PB | 033-05-AUX 0 |
| SS7 PB | 033-05-AUX-1 | NULL MODEM | IN LINE OF CABLE |
| NULL MODEM | IN LINE OF CABLE | RCU BACKPLANE | 063-002-AUX1 |

# CAD 7CA (Y)

CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND RS232 A/B SWITCH PADDLEBOARDS, AND V.35 PADDLEBOARDS.
16 RS232, 8 X.25 AND 4 SS7 LINKS.

| FROM | | TO | |
|---|---|---|---|
| UNIT | EQL | UNIT | EQL |
| RCU BACKPLANE | 063-002-AUX0 | RS232 SW | 063-SLOT 6-AUX 0 |
| RS232 SW | 063-SLOT 6-AUX 1 | RS232 SW | 063-SLOT 10-AUX 0 |
| RS232 SW | 063-SLOT 10-AUX 1 | RS232 SW | 063-SLOT 14-AUX 0 |
| RS232 SW | 063-SLOT 14-AUX 1 | RS232 SW | 063-SLOT 18-AUX 0 |
| RS232 SW | 063-SLOT 18-AUX 1 | X.25 PB | 029-00-AUX 0 |
| X.25 PB | 029-00-AUX 1 | X.25 PB | 033-01-AUX 0 |
| X.25 PB | 033-01-AUX 1 | X.25 PB | 029-02-AUX 0 |
| X.25 PB | 029-02-AUX 1 | X.25 PB | 033-03-AUX 0 |
| X.25 PB | 033-03-AUX 1 | SS7 PB | 029-04-AUX 0 |
| SS7 PB | 029-04-AUX 1 | SS7 PB | 033-05-AUX 0 |
| SS7 PB | 033-05-AUX-1 | NULL MODEM | IN LINE OF CABLE |
| NULL MODEM | IN LINE OF CABLE | RCU BACKPLANE | 063-002-AUX1 |

# CAD 7DA (Y)

CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND RS232 A/B SWITCH PADDLEBOARDS, AND V.35 PADDLEBOARDS.
16 RS232, 8 X.25 AND 8 SS7 LINKS.

| FROM | | TO | |
|---|---|---|---|
| UNIT | EQL | UNIT | EQL |
| RCU BACKPLANE | 063-002-AUX0 | RS232 SW | 063-SLOT 6-AUX 0 |
| RS232 SW | 063-SLOT 6-AUX 1 | RS232 SW | 063-SLOT 10-AUX 0 |
| RS232 SW | 063-SLOT 10-AUX 1 | RS232 SW | 063-SLOT 14-AUX 0 |
| RS232 SW | 063-SLOT 14-AUX 1 | RS232 SW | 063-SLOT 18-AUX 0 |
| RS232 SW | 063-SLOT 18-AUX 1 | X.25 PB | 029-00-AUX 0 |
| X.25 PB | 029-00-AUX 1 | X.25 PB | 033-01-AUX 0 |
| X.25 PB | 033-01-AUX 1 | X.25 PB | 029-02-AUX 0 |
| X.25 PB | 029-02-AUX 1 | X.25 PB | 033-03-AUX 0 |
| X.25 PB | 033-03-AUX 1 | SS7 PB | 029-04-AUX 0 |
| SS7 PB | 029-04-AUX 1 | SS7 PB | 033-05-AUX 0 |
| SS7 PB | 033-05-AUX-1 | SS7 PB | 029-06-AUX 0 |
| SS7 PB | 029-06-AUX 1 | SS7 PB | 033-07-AUX 0 |
| SS7 PB | 033-07-AUX-1 | NULL MODEM | IN LINE OF CABLE |
| NULL MODEM | IN LINE OF CABLE | RCU BACKPLANE | 063-002-AUX1 |

# CAD 7EA (Y)

CONTROL COMPUTER INTRA-CABINET AUXILIARY MULT CABLING
BETWEEN THE RCU AND RS232 A/B SWITCH PADDLEBOARDS, AND V.35 PADDLEBOARDS.
24 RS232, 8 X.25 AND 8 SS7 LINKS.

| FROM | | TO | |
|---|---|---|---|
| UNIT | EQL | UNIT | EQL |
| RCU BACKPLANE | 063-002-AUX0 | RS232 SW | 063-SLOT 6-AUX 0 |
| RS232 SW | 063-SLOT 6-AUX 1 | RS232 SW | 063-SLOT 10-AUX 0 |
| RS232 SW | 063-SLOT 10-AUX 1 | RS232 SW | 063-SLOT 14-AUX 0 |
| RS232 SW | 063-SLOT 14-AUX 1 | RS232 SW | 063-SLOT 18-AUX 0 |
| RS232 SW | 063-SLOT 18-AUX 1 | RS232 SW | 063-SLOT 22-AUX 0 |
| RS232 SW | 063-SLOT 22-AUX 1 | RS232 SW | 063-SLOT 28-AUX 0 |
| RS232 SW | 063-SLOT 28-AUX 1 | X.25 PB | 029-00-AUX 0 |
| X.25 PB | 029-00-AUX 1 | X.25 PB | 033-01-AUX 0 |
| X.25 PB | 033-01-AUX 1 | X.25 PB | 029-02-AUX 0 |
| X.25 PB | 029-02-AUX 1 | X.25 PB | 033-03-AUX 0 |
| X.25 PB | 033-03-AUX 1 | SS7 PB | 029-04-AUX 0 |
| SS7 PB | 029-04-AUX 1 | SS7 PB | 033-05-AUX 0 |
| SS7 PB | 033-05-AUX-1 | SS7 PB | 029-06-AUX 0 |
| SS7 PB | 029-06-AUX 1 | SS7 PB | 033-07-AUX 0 |
| SS7 PB | 033-07-AUX-1 | NULL MODEM | IN LINE OF CABLE |
| NULL MODEM | IN LINE OF CABLE | RCU BACKPLANE | 063-002-AUX1 |

NOTES:

1. IF THE RS232 PADDLE BOARD LOCATED IN THE RCU IS NOT EQUIPPED, THE AUX 0 PORT OF THE LAST EQUIPPED RS232 PADDLE BOARD WILL BE CONNECTED TO THE AUX 1 PORT OF THE FIRST EQUIPPED V.35 PADDLE BOARD EQUIPPED ON THE V.35 DISTRIBUTION PANEL.

2. THE AUX 0 PORT IS CONNECTED TO THE AUX 1 OF THE CONNECTING CIRCUIT.

3. IF THE V.35 PADDLE BOARD IS NOT EQUIPPED, THE AUX 0 PORT OF THE LAST EQUIPPED V.35 PADDLE BOARD (OR THE AUX 0 PORT OF THE LAST EQUIPPED RS232 PADDLE BOARD IF NO V.35 PADDLE BOARDS ARE EQUIPPED) WILL BE CONNECTED TO THE AUX 1 PORT ON THE RCU BACKPLANE LOCATED AT SLOT 2.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G6

# CAD 8 (Z)

X.25 INTRA-CABINET CONTROL CABLING

| CAB | FROM EQL | CAB | FROM EQL | CABLE CODE |
|---|---|---|---|---|
| ACS | 011-E5 | ACS | 029-00-INA0 & INA1 | A |
| ACS | 019-E5 | ACS | 029-00-INB0 & INB1 | A |
| ACS | 029-00-J7 | ACS | 063-023 | B |
| ACS | 011-E6 | ACS | 033-01-INA0 & INA1 | A |
| ACS | 019-E6 | ACS | 033-01-INB0 & INB1 | A |
| ACS | 033-01-J7 | ACS | 063-025 | B |
| ACS | 011-E7 | ACS | 029-02-INA0 & INA1 | A |
| ACS | 019-E7 | ACS | 029-02-INB0 & INB1 | A |
| ACS | 029-02-J7 | ACS | 063-027 | B |
| ACS | 011-E8 | ACS | 033-03-INA0 & INA1 | A |
| ACS | 019-E8 | ACS | 033-03-INB0 & INB1 | A |
| ACS | 033-03-J7 | ACS | 063-029 | B |

A = CC 407575703
B = CC 407562818

# CAD 8A (Y)

X.25 INTRA-CABINET CONTROL CABLING FOR R7 AND ABOVE. 8 X.25

LINKS

| FROM | | TO | |
|---|---|---|---|
| CAB | EQL | CAB | EQL |
| ACSC | 011-E5 | ACSC | 029-00-INA0 & INA1 |
| | 019-E5 | | 029-00-INB0 & INB1 |
| | 029-00-J7 | | 063-008 |
| | 011-E6 | | 033-01-INA0 & INA1 |
| | 019-E6 | | 033-01-INB0 & INB1 |
| | 033-01-J7 | | 063-012 |
| | 011-E7 | | 029-02-INA0 & INA1 |
| | 019-E7 | | 029-02-INB0 & INB1 |
| | 029-02-J7 | | 063-016 |
| | 011-E8 | | 033-03-INA0 & INA1 |
| | 019-E8 | | 033-03-INB0 & INB1 |
| | 033-03-J7 | | 063-020 |

NOTES:

1. SEE FIGURE AS 13A FOR GRAPHICAL REPRESENTATION.
2. REFER TO ED 1S002-22 FOR ORDERING INFORMATION.
3. CABLES FROM THE CC TO THE PADDLEBOARDS ARE "Y" CABLES, WITH "Y" AT PADDLEBOARD END. THEY ORIGINATE IN A SINGLE CONNECTOR AT THE CC END.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

DWG SIZE: C2
ISSUE: 2M

Lucent Technologies

SD-1S008-01

SHEET: G7

# CAD 9

V.35 INTRA-CABINET CONTROL CABLING

| CAB | FROM EQL | CAB | FROM EQL | CABLE CODE |
|---|---|---|---|---|
| ACS | 011-E9 | ACS | 029-04-INA0 & INA1 | A |
| ACS | 019-E9 | ACS | 029-04-INB0 & INB1 | A |
| ACS | 029-04-J7 | ACS | 063-008 | B |
| ACS | 011-E10 | ACS | 033-05-INA0 & INA1 | A |
| ACS | 019-E10 | ACS | 033-05-INB0 & INB1 | A |
| ACS | 033-05-J7 | ACS | 063-012 | B |
| ACS | 011-E11 | ACS | 029-06-INA0 & INA1 | A |
| ACS | 019-E11 | ACS | 029-06-INB0 & INB1 | A |
| ACS | 029-06-J7 | ACS | 063-016 | B |
| ACS | 011-E12 | ACS | 033-07-INA0 & INA1 | A |
| ACS | 019-E12 | ACS | 033-07-INB0 & INB1 | A |
| ACS | 033-07-J7 | ACS | 063-020 | B |

A = CC 407575703
B = CC 407562818

# CAD 10 (Z)

X.25, V.35, SMS, SEAS, SS7 - INTER-CABINET CABLING

STARSERVER SYSTEMS AND SYSTEMS
CONVERTED FROM STARSERVER TO ADVANTAGE

| FUNCTION | CAB | FROM EQL | LINK | CAB | TO EQL | CABLE CODE | NOTE |
|---|---|---|---|---|---|---|---|
| X.25 SMS0 | ACS | 029-00-OUT0 | 1 | MC 0 | RACK L-01 | A | |
| X.25 SMS1 | ACS | 033-01-OUT0 | 2 | MC 0 | RACK U-01 | A | |
| X.25 USER | ACS | 029-00-OUT1 | 3 | MC 0 | RACK L-02 | | |
| X.25 USER | ACS | 033-01-OUT1 | 4 | MC 0 | RACK U-02 | | |
| X.25 SEAS0 | ACS | 029-02-OUT0 | 5 | MC 0 | RACK L-09 | A | |
| X.25 SEAS1 | ACS | 033-03-OUT0 | 6 | MC 0 | RACK U-09 | A | |
| X.25 USER | ACS | 029-02-OUT1 | 7 | MC 0 | RACK L-10 | | |
| X.25 USER | ACS | 033-03-OUT1 | 8 | MC 0 | RACK U-10 | | |
| | | | | | | | |
| V.35/SS7 | ACS | 029-04-OUT0 | 1 | MC 0 | RACK L-03 | A | 1,3 |
| V.35/SS7 | ACS | 029-05-OUT1 | 2 | MC 0 | RACK U-03 | A | 1,3 |
| V.35/SS7 | ACS | 029-04-OUT0 | 1 | MC 0 | RACK L-03 | A | 2,3 |
| V.35/SS7 | ACS | 033-05-OUT0 | 2 | MC 0 | RACK U-03 | A | 2,3 |
| V.35/SS7 | ACS | 029-04-OUT1 | 3 | MC 0 | RACK L-11 | A | 3 |
| V.35/SS7 | ACS | 033-05-OUT1 | 4 | MC 0 | RACK U-11 | A | 3 |
| V.35/SS7 | ACS | 029-06-OUT0 | 5 | MC 0 | RACK L-04 | A | 3 |
| V.35/SS7 | ACS | 033-07-OUT0 | 6 | MC 0 | RACK U-04 | A | 3 |
| V.35/SS7 | ACS | 029-06-OUT1 | 7 | MC 0 | RACK L-12 | A | 3 |
| V.35/SS7 | ACS | 033-07-OUT1 | 8 | MC 0 | RACK U-12 | A | 3 |

A = CC 407581578

NOTE:

1. CONNECTIONS FOR LINKS 1 & 2 WHEN THE SCP IS ONLY CONFIGURED WITH ONE PAIR OF SS7 LINKS.
2. CONNECTIONS FOR LINKS 1 & 2 WHEN THE SCP IS CONFIGURED WITH MORE THAN ONE PAIR OF SS7 LINKS.
3. SEE AS11 AND EQUIPMENT NOTE 304 FOR RECOMMENDED LINK SET AND LINK CODE ASSIGNMENTS THAT PROVIDE FOR THE MOST RELIABILITY.

# CAD 10A (Y)

X.25, V.35, SMS, SEAS, SS7 - INTER-CABINET CABLING

ADVANTAGE SYSTEMS ONLY

| FUNCTION | CAB | FROM EQL | LINK | CAB | TO EQL | CABLE CODE | NOTE |
|---|---|---|---|---|---|---|---|
| X.25 SMS0 | ACS | 029-00-OUT0 | 1 | AMC 0 | RACK | A | |
| X.25 SMS1 | ACS | 033-01-OUT0 | 2 | AMC 0 | RACK | A | |
| X.25 USER | ACS | 029-00-OUT1 | 3 | AMC 0 | RACK | | |
| X.25 USER | ACS | 033-01-OUT1 | 4 | AMC 0 | RACK | | |
| X.25 SEAS0 | ACS | 029-02-OUT0 | 5 | AMC 0 | RACK | A | |
| X.25 SEAS1 | ACS | 033-03-OUT0 | 6 | AMC 0 | RACK | A | |
| X.25 USER | ACS | 029-02-OUT1 | 7 | AMC 0 | RACK | | |
| X.25 USER | ACS | 033-03-OUT1 | 8 | AMC 0 | RACK | | |
| | | | | | | | |
| V.35/SS7 | ACS | 029-04-OUT0 | 1 | AMC 0 | RACK | A | 1,3 |
| V.35/SS7 | ACS | 029-05-OUT1 | 2 | AMC 0 | RACK | A | 1,3 |
| V.35/SS7 | ACS | 029-04-OUT0 | 1 | AMC 0 | RACK | A | 2,3 |
| V.35/SS7 | ACS | 033-05-OUT0 | 2 | AMC 0 | RACK | A | 2,3 |
| V.35/SS7 | ACS | 029-04-OUT1 | 3 | AMC 0 | RACK | A | 3 |
| V.35/SS7 | ACS | 033-05-OUT1 | 4 | AMC 0 | RACK | A | 3 |
| V.35/SS7 | ACS | 029-06-OUT0 | 5 | AMC 0 | RACK | A | 3 |
| V.35/SS7 | ACS | 033-07-OUT0 | 6 | AMC 0 | RACK | A | 3 |
| V.35/SS7 | ACS | 029-06-OUT1 | 7 | AMC 0 | RACK | A | 3 |
| V.35/SS7 | ACS | 033-07-OUT1 | 8 | AMC 0 | RACK | A | 3 |

A = CC 407581578

NOTE:

1. CONNECTIONS FOR LINKS 1 & 2 WHEN THE SCP IS ONLY CONFIGURED WITH ONE PAIR OF SS7 LINKS.
2. CONNECTIONS FOR LINKS 1 & 2 WHEN THE SCP IS CONFIGURED WITH MORE THAN ONE PAIR OF SS7 LINKS.
3. SEE AS 11A AND EQUIPMENT NOTE 310.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G8

# CAD 11 (Z)

MISCELLANEOUS INTER-CABINET CABLING

STARSERVER SYSTEMS AND SYSTEMS
CONVERTED FROM STARSERVER TO ADVANTAGE

| FUNCTION | CAB | FROM EQL | CAB | TO EQL | CABLE CODE | NOTE |
|---|---|---|---|---|---|---|
| CONSOLE 0 | ACS | 011-COM1 | ACS | SPLITTER "A" COM | | 1 |
| CONSOLE 0 | ACS | SPLITTER "A" OUT1 | MC 0 | RACK U-05 | | 2,3 |
| CONSOLE 0 | ACS | SPLITTER "A" OUT2 | | CONSOLE 0 | | 2,3 |
| CONSOLE 1 | ACS | 019-COM1 | ACS | SPLITTER "B" COM | | 1 |
| CONSOLE 1 | ACS | SPLITTER "B" OUT1 | MC 0 | RACK L-05 | | 2,3 |
| CONSOLE 1 | ACS | SPLITTER "B" OUT2 | | CONSOLE 1 | | 2,3 |
| EAI | ACS | 063-002-EAI0 | MC 0 | RACK U-13 | | 4 |
| EAI | ACS | 063-002-EAI1 | | EAI TERMINAL | | 4 |

1. ED1S002-22,G6
2. ED1S002-22,G7 FOR 615/2900 TERMINALS
3. ED1S002-22,G7A FOR 3530 TERMINALS
4. ED1S002-22,G8

# CAD 11A (Y)

MISCELLANEOUS INTER-CABINET CABLING
ADVANTAGE SYSTEMS ONLY

| FUNCTION | CAB | FROM EQL | CAB | TO EQL | CABLE CODE | NOTE |
|---|---|---|---|---|---|---|
| CONSOLE 0 | ACS | 011-COM1 | ACS | SPLITTER "A" COM | | 1 |
| CONSOLE 0 | ACS | SPLITTER "A" OUT1 | AMC 0 | RACK | | 2 |
| CONSOLE 0 | ACS | SPLITTER "A" OUT2 | | CONSOLE 0 | | 2 |
| CONSOLE 1 | ACS | 019-COM1 | ACS | SPLITTER "B" COM | | 1 |
| CONSOLE 1 | ACS | SPLITTER "B" OUT1 | AMC 0 | RACK | | 2 |
| CONSOLE 1 | ACS | SPLITTER "B" OUT2 | | CONSOLE 1 | | 2 |
| EAI | ACS | 063-002-EAI0 | AMC 0 | RACK | | 3 |
| EAI | ACS | 063-002-EAI1 | | EAI TERMINAL | | 3 |

1. ED1S002-22,G6
2. ED1S002-22,G7A
3. ED1S002-22,G8

# CAD 12 (Z)

MISCELLANEOUS CABINET TO AND FROM OFFICE DISTRIBUTING FRAME CABLES
SCANNER
(SEE NOTE 307)

STARSERVER SYSTEMS AND SYSTEMS
CONVERTED FROM STARSERVER TO ADVANTAGE

| | FROM MC(0) CABLE* | | | | TO DF | | FROM DF | TO | |
|---|---|---|---|---|---|---|---|---|---|
| USE | EQPT | PT | PIN | COLOR | | DESIG | | EQPT | CONN |
| ALARM | ARU AT EQL 060F | 01P | 01 | W-BL | | LINE L- | | 1KVA INVERTER | TB3-1 |
| | | 01N | 20 | BL-W | | LINE L+ | | | TB3-2 |
| | | 02P | 02 | W-O | | GEN+ | | | TB3-3 |
| | | 02N | 21 | O-W | | GEN- | | | TB3-4 |
| | | 05P | 05 | W-S | | E1 | | PARADYNE UNIT AT EQL 050 | E1 |
| | | 05N | 24 | S-W | | E2 | | | E2 |
| | | 06P | 06 | R-BL | | E1 | | PARADYNE UNIT AT EQL 040 | E1 |
| | | 06N | 25 | BL-R | | E2 | | | E2 |
| | | 07P | 07 | R-O | | | | | |
| | | 07N | 26 | O-R | | | | | |
| | | 08P | 08 | R-G | | | | | |
| | | 08N | 27 | G-R | | | | | |
| | | 09P | 09 | R-BR | | | | | |
| | | 09N | 28 | BR-R | | | | | |
| | | 10P | 10 | R-S | | | | | |
| | | 10N | 29 | S-R | | | | | |
| | | 11P | 11 | BK-BL | | | | | |
| | | 11N | 30 | BL-BK | | | | | |
| | | 12P | 12 | BK-O | | | | | |
| | | 12N | 31 | O-BK | | | | | |
| | | 13P | 13 | BK-G | | | | | |
| | | 13N | 32 | G-BK | | | | | |
| | | 14P | 14 | BK-BR | | | | | |
| | | 14N | 33 | BR-BK | | | | | |
| | | 15P | 15 | BK-S | | | | | |
| | | 15N | 34 | S-BK | | | | | |
| | | 16P | 16 | Y-BL | | | | | |
| | | 16N | 35 | BL-Y | | | | | |

* ED1S014-11,G3 (ED-1S002-35,G17)

NOTE: ED-1S014-11,G3 PROVIDES CABLING BETWEEN THE ARU OF MC(0) AND THE OFFICE DISTRIBUTING FRAME (DF). STUB ENDED CABLE MUST BE CONNECTED TO THE SCP ASSIGNED SCAN POINTS OF THE DF AND RUN BACK TO THE ASSOCIATED SCP EQUIPMENT.

# CAD 12A (Y)

ARU SCANNER INPUT CABLING & MISCELLANEOUS
CABINET ALARM CABLING

| | FROM ACSC CABINET | | | | TO DF | FROM DF | TO AMC0 CABINET | | FUNCTION |
|---|---|---|---|---|---|---|---|---|---|
| USE | EQPT | CKT | PIN | WIRE COLOR | | | EQPT | VEQL-PORT-PIN | |
| ALARM | ARU | 01P | 01 | W-B1 | | | GPDU ALARM PANEL | 064-P7-100 | MAJ |
| | | 01N | 20 | B1-W | | | | 064-P7-000 | MAJ RTN |
| | | 02P | 02 | W-O | | | | 064-P7-101 | MIN |
| | | 02N | 21 | O-W | | | | 064-P7-001 | MIN RTN |
| | | 03P | 03 | W-G | | | DSU/ MODEM RACK 0 (UPPER) | 041-P2-1 | MJA0(PWR) |
| | | 03N | 22 | G-W | | | | 041-P2-2 | MJA0 RTN |
| | | 04P | 04 | W-BR | | | | 041-P2-4 | MNA0(FAN) |
| | | 04N | 23 | BR-W | | | | 041-P2-5 | MNA0 RTN |
| | | 05P | 05 | W-S | | | | 041-P4-1 | MJB0(FAN) |
| | | 05N | 24 | S-W | | | | 041-P4-2 | MJB0 RTN |
| | | 06P | 06 | R-BL | | | | 041-P4-4 | MNB0 (FAN) |
| | | 06N | 25 | BL-R | | | | 041-P4-5 | MNB0 RTN |
| | | 07P | 07 | R-O | | | DSU/ MODEM RACK 1 (LOWER) | 029-P2-1 | MJA1 (PWR) |
| | | 07N | 26 | O-R | | | | 029-P2-2 | MJA1 RTN |
| | | 08P | 08 | R-G | | | | 029-P2-4 | MNA1 (FAN) |
| | | 08N | 27 | G-R | | | | 029-P2-5 | MNA1 RTN |
| | | 09P | 09 | R-BR | | | | 029-P4-1 | MJB1 (PWR) |
| | | 09N | 28 | BR-R | | | | 029-P4-2 | MJB1 RTN |
| | | 10P | 10 | R-S | | | | 029-P4-4 | MNB1 (FAN) |
| | | 10N | 29 | S-R | | | | 029-P4-5 | MNB1 RTN |
| | | 11P | 11 | BK-BL | | | | | |
| | | 11N | 30 | BL-BK | | | | | |
| | | 12P | 12 | BK-O | | | | | |
| | | 12N | 31 | O-BK | | | | | |
| | | 13P | 13 | BK-G | | | | | |
| | | 13N | 32 | G-BK | | | | | |
| | | 14P | 14 | BK-BR | | | | | |
| | | 14N | 33 | BR-BK | | | | | |
| | | 15P | 15 | BK-S | | | | | |
| | | 15N | 34 | S-BK | | | | | |
| | | 16P | 16 | Y-BL | | | | | |
| | | 16N | 35 | BL-Y | | | | | |

NOTES:
1. REFER TO ED1S002-22 FOR SCAN ALARM CABLES ORDERING INFORMATION.
2. WIRING TO THE GPDU ALARM PANEL IS WIRE WRAPPED AT BOTH ENDS. WIRING TO THE MODEM RACKS IS CONNECTORIZED AT THE MODEM RACK END.



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

| DWG SIZE | ISSUE |
|---|---|
| C2 | 2M |

Lucent Technologies | SD-1S008-01 | SHEET G9

# CAD 13

ARU TO AND FROM OFFICE DISTRIBUTING FRAME CABLES
SIGNAL DISTRIBUTOR
(SEE NOTE 307)

| | FROM MC(0) CABLE* | | | | | TO DF | | FROM DF | TO | |
|---|---|---|---|---|---|---|---|---|---|---|
| USE | EQPT | REL | TERM | PIN | COLOR | | DESIG | | EQPT | CONN |
| ALARM | | K1 | C | 01 | W-BL | | | | | |
| | | | NO | 02 | BL-W | | | | | |
| | | | NC | 03 | W-O | | | | | |
| | | K2 | C | 04 | O-W | | | | | |
| | | | NO | 05 | W-G | | | | | |
| | | | NC | 06 | G-W | | | | | |
| | | K3 | C | 07 | W-BR | | | | | |
| | | | NO | 08 | BR-W | | | | | |
| | | | NC | 09 | W-S | | | | | |
| | | K4 | C | 10 | S-W | | | | | |
| | | | NO | 11 | R-BL | | | | | |
| | | | NC | 12 | BL-R | | | | | |
| | | K5 | C | 13 | R-O | | | | | |
| | | | NO | 14 | O-R | | | | | |
| | | | NC | 15 | R-G | | | | | |
| | | K6 | C | 16 | G-R | | | | | |
| | | | NO | 17 | R-BR | | | | | |
| | | | NC | 18 | BR-R | | | | | |
| | | K7 | C | 19 | R-S | | | | | |
| | | | NO | 20 | S-R | | | | | |
| | | | NC | 21 | BK-BL | | | | | |
| | | K8 | C | 22 | BL-BK | | | | | |
| | | | NO | 23 | BK-O | | | | | |
| | | | NC | 24 | O-BK | | | | | |

*ED1S002-22 G1

# CAD 14

MISCELLANEOUS CABINET TO AND FROM OFFICE DISTRIBUTING FRAME CABLES
XMIT & RCV
(SEE NOTE 307)

| | FROM | | CABLE A25R | | | TO |
|---|---|---|---|---|---|---|
| USE | EQPT | SLOT | PIN | COLOR | DESIG | DISTRIBUTING FRAME |
| RCV R | PARADYNE UNIT | 01/09 | 01 | BL-W | | |
| RCV T | | | 26 | W-BL | | |
| XMIT R1 | | | 02 | O-W | | |
| XMIT T1 | | | 27 | W-O | | |
| RCV R | | 02/10 | 03 | G-W | | |
| RCV T | | | 28 | W-G | | |
| XMIT R1 | | | 04 | BR-W | | |
| XMIT T1 | | | 29 | W-BR | | |
| RCV R | | 03/11 | 05 | S-W | | |
| RCV T | | | 30 | W-S | | |
| XMIT R1 | | | 06 | BL-R | | |
| XMIT T1 | | | 31 | R-BL | | |
| RCV R | | 04/12 | 07 | O-R | | |
| RCV T | | | 32 | R-O | | |
| XMIT R1 | | | 08 | G-R | | |
| XMIT T1 | | | 33 | R-G | | |
| RCV R | | 05/13 | 09 | BR-R | | |
| RCV T | | | 34 | R-BR | | |
| XMIT R1 | | | 10 | S-R | | |
| XMIT T1 | | | 35 | R-S | | |
| RCV R | | 06/14 | 11 | BL-BK | | |
| RCV T | | | 36 | BK-BL | | |
| XMIT R1 | | | 12 | O-BK | | |
| XMIT T1 | | | 37 | BK-O | | |
| RCV R | | 7/15 | 13 | G-BK | | |
| RCV T | | | 38 | BK-G | | |
| XMIT R1 | | | 14 | BR-BK | | |
| XMIT T1 | | | 39 | BK-BR | | |
| RCV R | | 08/16 | 15 | S-BK | | |
| RCV T | | | 40 | BK-S | | |
| XMIT R1 | | | 16 | BL-Y | | |
| XMIT T1 | | | 41 | Y-BL | | |

* ED-1S014-11,G1 (COMCODES FOR THE A25R CABLE ARE DETERMINED BY LENGTH)



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

DWG SIZE: C2
ISSUE: 2M
Lucent Technologies
SD-1S008-01
SHEET: G10

# CAD 15

INTER MC(0) DATA SERVICE UNIT CABLES
XMIT & RCV

| TYPE | FROM MC(0) | | CABLE ED1S002-35 | | | TO DISTRIBUTING FRAME |
|---|---|---|---|---|---|---|
| | UNIT | DSU/ MODEM | PIN | COLOR | GRP | |
| RCV R | PARADYNE CARRIER | 01/09 | 1 | BL-W | 15 | |
| RCV T | | | 26 | W-BL | | |
| XMIT R1 | | | 2 | O-W | | |
| XMIT T1 | | | 27 | W-O | | |
| RCV R | | 02/10 | 3 | G-W | | |
| RCV T | | | 28 | W-G | | |
| XMIT R1 | | | 4 | BR-W | | |
| XMIT T1 | | | 29 | W-BR | | |
| RCV R | | 03/11 | 5 | S-W | | |
| RCV T | | | 30 | W-S | | |
| XMIT R1 | | | 6 | BL-R | | |
| XMIT T1 | | | 31 | R-BL | | |
| RCV R | | 04/12 | 7 | O-R | | |
| RCV T | | | 32 | R-O | | |
| XMIT R1 | | | 8 | G-R | | |
| XMIT T1 | | | 33 | R-G | | |

| TYPE | FROM MC(0) | | CABLE ED1S002-35 | | | TO DISTRIBUTING FRAME |
|---|---|---|---|---|---|---|
| | UNIT | DSU/ MODEM | PIN | COLOR | GRP | |
| RCV R | PARADYNE CARRIER | 05/13 | 9 | BR-R | 15 | |
| RCV T | | | 34 | R-BR | | |
| XMIT R1 | | | 10 | S-R | | |
| XMIT T1 | | | 35 | R-S | | |
| RCV R | | 06/14 | 11 | BL-BK | | |
| RCV T | | | 36 | BK-BL | | |
| XMIT R1 | | | 12 | O-BK | | |
| XMIT T1 | | | 37 | BK-O | | |
| RCV R | | 07/15 | 13 | G-BK | | |
| RCV T | | | 38 | BK-G | | |
| XMIT R1 | | | 14 | BR-BK | | |
| XMIT T1 | | | 39 | BK-BR | | |
| RCV R | | 08/16 | 15 | S-BK | | |
| RCV T | | | 40 | BK-S | | |
| XMIT R1 | | | 16 | BL-Y | | |
| XMIT T1 | | | 41 | Y-BL | | |

# CAD 16

INTRA-CABINET, REMOTE POWER SENSING

| SIDE | FROM | | TO | |
|---|---|---|---|---|
| | UNIT | POSITION | UNIT | POSITION |
| 0 | MU0 | J19-0 | RCU | PD02, PIN A1 |
| | MU1 | J19-0 | RCU | PD04, PIN A1 |
| 1 | MU0 | J19-1 | RCU | PD03, PIN A1 |
| | MU1 | J19-1 | RCU | PD05, PIN A1 |

# CAD 17

HEART BEAT

| FROM | TO |
|---|---|
| RCU 063-J02 | CC0 011-COM2-SIDEA |
| RCU 063-J03 | CC1 019-COM2-SIDEA |

# CAD 18

ETHERNET BACKBONE

| FROM | TO |
|---|---|
| CC0-E2-EN2 | CC1-E2-EN2 |

# CAD 19

SCSI COM

| FROM | | TO | |
|---|---|---|---|
| MU0 | J21-0 | RCU | 063-J04 |
| MU0 | J21-1 | RCU | 063-J05 |
| MU1 | J21-0 | RCU | 063-J7 |
| MU1 | J21-1 | RCU | 063-J8 |

# CAD 20

ASYNC CABLING FROM THE CC TO THE RS232 DISTRIBUTION MODULE

| FROM CONTROL COMPUTER | TO RS232 DISTRIBUTION MODULE |
|---|---|
| 011-E4-PORT 0 | DM-00 |
| 019-E4-PORT 0 | DM-10 |
| 011-E4-PORT 1 | DM-01 |
| 019-E4-PORT 1 | DM-11 |



ADVANCED NETWORK SERVICES
SERVICE CONTROL POINT
ADVANTAGE CONTROL SERVER

DWG SIZE: C2
ISSUE: 2M
Lucent Technologies
SD-1S008-01
SHEET: G11