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SHEET NOTES

1. THIS DOCUMENT PROVIDES APPLICATION SCHEMATIC INFORMATION FOR SYSTEMS R7 AND UP, ONLY, INCLUDING THE SN, SCP MODEL 1, & SCP MODEL 2 HARDWARE.

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1	03-01-98		

SUPPORTING INFORMATION

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.	SHEET INDEX NOTES
ANS	IH	ADVANCED NETWORK SERVICES		
ACSC	IH	ADVANTAGE CONTROL SERVER CABINET	ED1S015-61	
ATSC	IH	ADVANTAGE TELECOM SERVER CABINET	ED1S018-61	
AMC	IH	ADVANTAGE MISCELLANEOUS CAB	ED1S019-10	
ANTC	IH	ADVANTAGE NETWORK TERMINATION CABINET	ED1S020-60	

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.

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BT13

ELECTRONIC SWITCHING SYSTEMS
ADVANCED NETWORK SERVICES
SERVICE NODE AND SERVICE
CONTROL POINT SYSTEMS
CIRCUIT

DWG SIZE	ISSUE
C2	1

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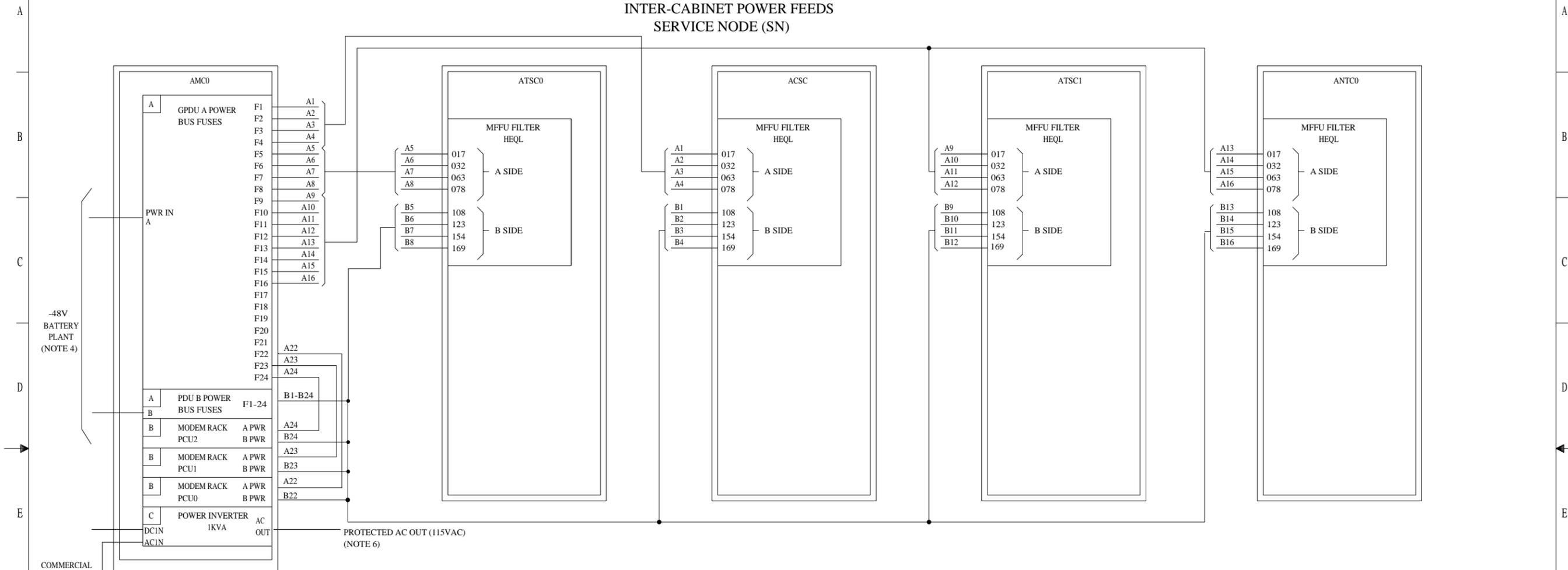
DESIGNATION MNEMONICS INDEX

MNEMONIC	DESIGNATION
ACSC	ADVANTAGE CONTROL SERVER CABINET
ALM	ALARM
AMC	ADVANTAGE MISCELLANEOUS CABINET
ANS	ADVANCED NETWORK SERVICES
ANTC	ADVANTAGE NETWORK TERMINATION CABINET
AP	A POWER BUS (-48V)
AR	A POWER BUS RETURN
AS	APPLICATION SCHEMATIC
ATSC	ADVANTAGE TELECOM SERVER CABINET
BP	B POWER BUS (-48V)
BR	B POWER BUS RETURN
BRI	BASIC RATE INTERFACE
CAD	CABLE APPLICATION DIAGRAM
CC	CONTROL COMPUTER
CH	CHANNEL
COM	COMMUNICATION PORT
CONN	CONNECTOR
CS	CONTROL SERVER
CU	COOLING UNIT
DOC	DOCUMENT
DF	DISTRIBUTION FRAME
ED	EQUIPMENT DRAWING
EISA	EXTENDED INDUSTRY STANDARD ARCHITECTURE
FIG	FIGURE
GPDU	GLOBAL POWER DISTRIBUTION UNIT
HEQL	HORIZONTAL EQUIPMENT LOCATION
ISA	INDUSTRY STANDARD ARCHITECTURE
ISS	ISSUE
LED	LIGHT EMITTING DIODE
MAJ	MAJOR
MAJRTN	MAJOR RETURN
MIN	MINOR
MINRTN	MINOR RETURN
MFU	MODULAR FUSE AND FILTER UNIT
MR	MODEM RACK
MU	MEDIA UNIT
NC	NOT CONNECTED
NT	NETWORK TERMINATION
PCU	PARADYNE CARRIER UNIT (MODEM RACK)
PD	POWER DOG
PDU	POWER DISTRIBUTION UNIT
RCC	RELIABLE CLUSTER COMPUTING
RCU	RCC CONTROL UNIT
REF	REFERENCE
RTN	RETURN
SCP	SERVICE CONTROL POINT
SD	SCHEMATIC DRAWING
SN	SERVICE NODE
TS	TELECOM SERVER
UVD	UNIVERSAL VOICE DIALING
VEQL	VERTICAL EQUIPMENT LOCATION
PRI	PRIMARY RATE INTERFACE
SMS	SHORT MESSAGE SERVICE

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 1

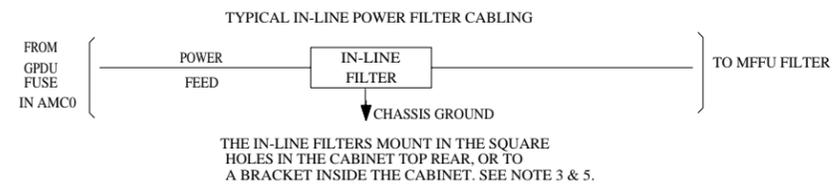
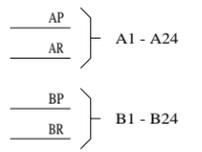
INTER-CABINET POWER FEEDS SERVICE NODE (SN)



AC POWER (115VAC) NOTE 4

NOTES:

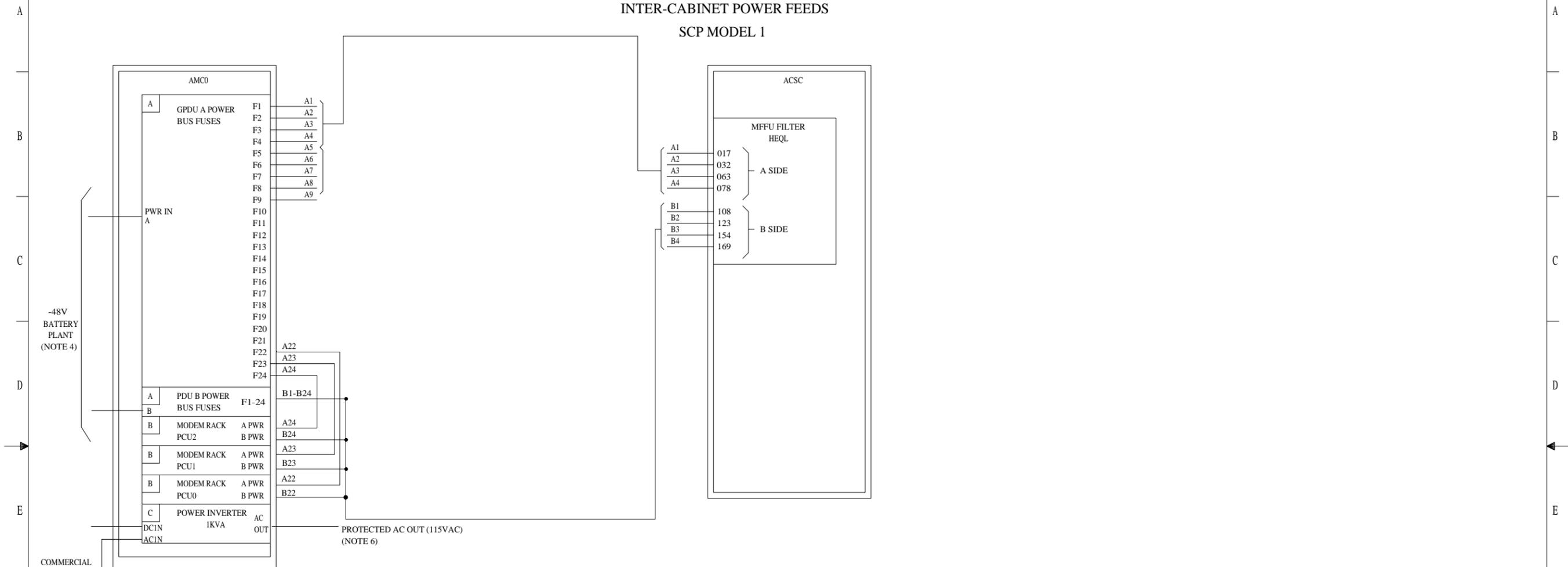
1. THE FIGURE SHOWS THE POWER ARRANGEMENT FOR A STANDARD SYSTEM WITH THE MISCELLANEOUS CABINET EQUIPPED WITH GPDU. FOR OTHER ARRANGEMENTS POWER FEEDS MUST BE ENGINEERED TO MEET VOLTAGE REQUIREMENTS. REFER TO ED-1S017-10.
2. AS SHOWN IN THE FIGURE, THE PARADYNE CARRIER UNITS(MODEM RACKS) ARE POWERED DIRECTLY FROM THE GPDU. IF THE GPDU IS NOT EQUIPPED, THE PCU POWER SOURCE MUST BE DETERMINED AND CABLES/CONNECTORS ASSEMBLED ON SITE.
3. FOR EMI PROTECTION AN IN-LINE POWER FILTER MUST BE ADDED TO EACH CABINET POWER FEED.
4. CABLING FOR CUSTOMER SUPPLIED POWER SOURCE (-48VDC BATTERY PLANT)MUST BE FUSED AS FOLLOWS:
SN-100 AMP MINIMUM EACH SIDE
USE SEPERATE FUSES FOR A SIDE AND B SIDE.
REFER TO ED15017-10 & ED5P229-30
5. THE IN-LINE FILTER MUST BE MOUNTED TO THE CHASSIS USING THE MOUNTING TAB ATTACHED TO THE SIDE OF THE FILTER. THE MOUNTING LOCATION OF THE FILTER DEPENDS ON THE TYPE OF CABLE RACK ON TOP OF THE CABINET.
6. CONDUIT, OUTLETS, FITTINGS, WIRE, ETC. FOR PROTECTED A.C. WIRING MUST BE SPECIFIED FOR EACH JOB BY REGIONAL ENGINEER.
7. SEE FIGURE CAD 1.



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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS		DWG SIZE C2
Lucent Technologies	SD-1S010-01	ISSUE 1 SHEET B1

AS 2

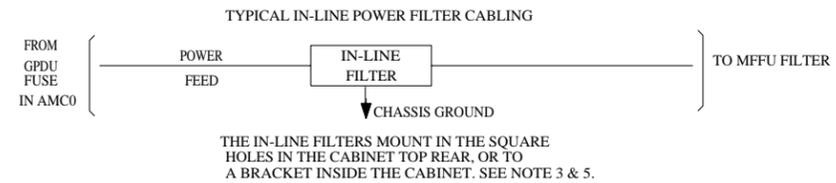
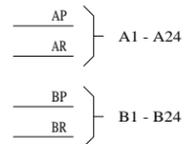
INTER-CABINET POWER FEEDS SCP MODEL 1



AC POWER (115VAC) NOTE 4

NOTES:

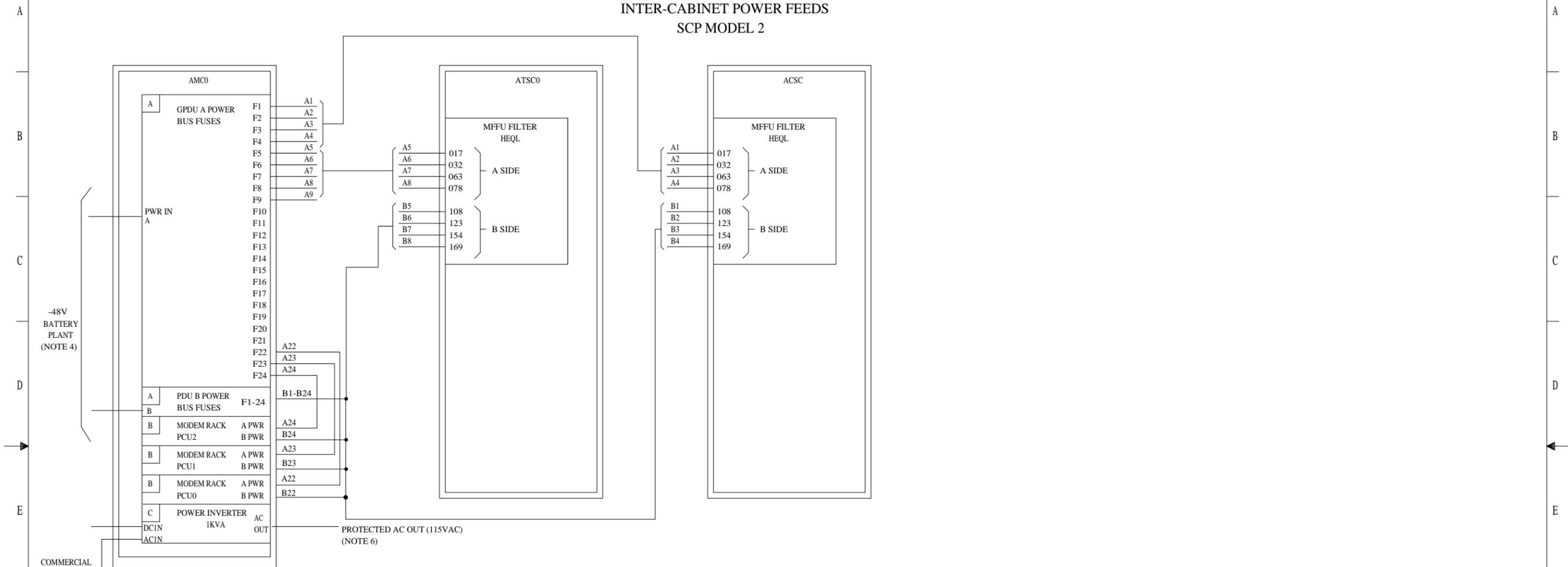
1. THE FIGURE SHOWS THE POWER ARRANGEMENT FOR A STANDARD SYSTEM WITH THE MISCELLANEOUS CABINET EQUIPPED WITH GPDU. FOR OTHER ARRANGEMENTS POWER FEEDS MUST BE ENGINEERED TO MEET VOLTAGE REQUIREMENTS. REFER TO ED-1S017-10.
2. AS SHOWN IN THE FIGURE, THE PARADYNE CARRIER UNITS(MODEM RACKS) ARE POWERED DIRECTLY FROM THE GPDU. IF THE GPDU IS NOT EQUIPPED, THE PCU POWER SOURCE MUST BE DETERMINED AND CABLES/CONNECTORS ASSEMBLED ON SITE.
3. FOR EMI PROTECTION AN IN-LINE POWER FILTER MUST BE ADDED TO EACH CABINET POWER FEED.
4. CABLING FOR CUSTOMER SUPPLIED POWER SOURCE (-48VDC BATTERY PLANT)MUST BE FUSED AS FOLLOWS:
SCP-60 AMP MINIMUM EACH SIDE
USE SEPERATE FUSES FOR A SIDE AND B SIDE.
REFER TO ED15017-10 & ED5P229-30
5. THE IN-LINE FILTER MUST BE MOUNTED TO THE CHASSIS USING THE MOUNTING TAB ATTACHED TO THE SIDE OF THE FILTER. THE MOUNTING LOCATION OF THE FILTER DEPENDS ON THE TYPE OF CABLE RACK ON TOP OF THE CABINET.
6. CONDUIT, OUTLETS, FITTINGS, WIRE, ETC.
FOR PROTECTED A.C. WIRING MUST BE SPECIFIED FOR EACH JOB BY REGIONAL ENGINEER.
7. SEE FIGURE CAD 1.



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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
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AS 3

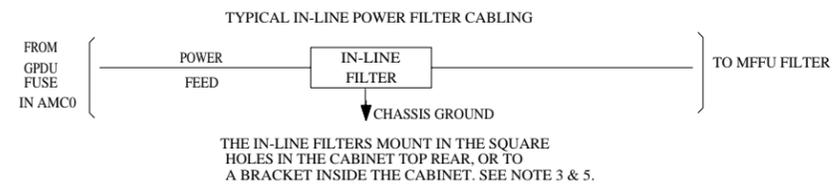
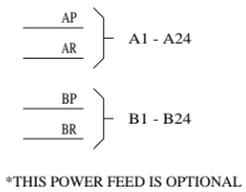
INTER-CABINET POWER FEEDS SCP MODEL 2



AC POWER (115VAC) NOTE 4

NOTES:

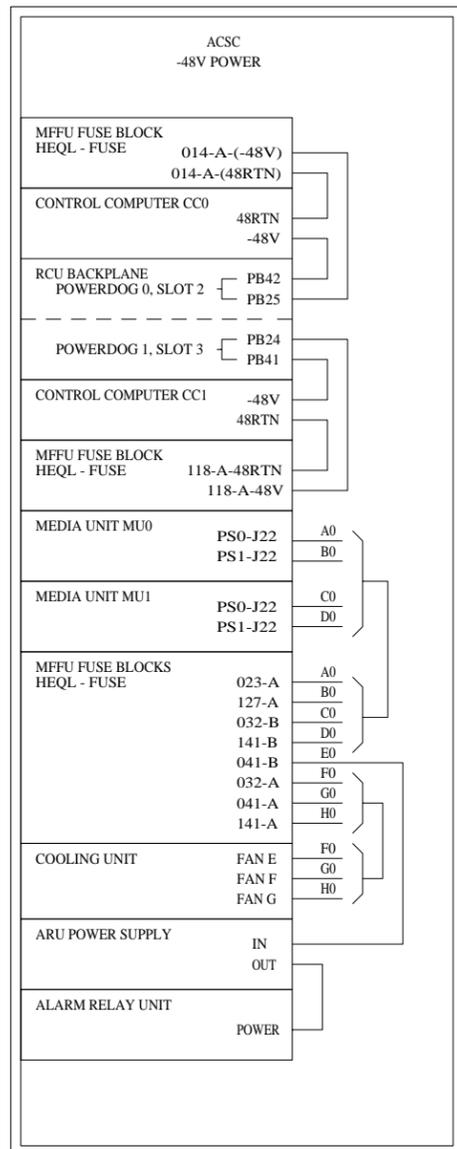
1. THE FIGURE SHOWS THE POWER ARRANGEMENT FOR A STANDARD SYSTEM WITH THE MISCELLANEOUS CABINET EQUIPPED WITH GPDU. FOR OTHER ARRANGEMENTS POWER FEEDS MUST BE ENGINEERED TO MEET VOLTAGE REQUIREMENTS. REFER TO ED-1S017-10.
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3. FOR EMI PROTECTION AN IN-LINE POWER FILTER MUST BE ADDED TO EACH CABINET POWER FEED.
4. CABLING FOR CUSTOMER SUPPLIED POWER SOURCE (-48VDC BATTERY PLANT)MUST BE FUSED AS FOLLOWS:
SCP-60 AMP MINIMUM EACH SIDE
USE SEPERATE FUSES FOR A SIDE AND B SIDE.
REFER TO ED15017-10 & ED5P229-30
5. THE IN-LINE FILTER MUST BE MOUNTED TO THE CHASSIS USING THE MOUNTING TAB ATTACHED TO THE SIDE OF THE FILTER. THE MOUNTING LOCATION OF THE FILTER DEPENDS ON THE TYPE OF CABLE RACK ON TOP OF THE CABINET.
6. CONDUIT, OUTLETS, FITTINGS, WIRE, ETC.
FOR PROTECTED A.C. WIRING MUST BE SPECIFIED FOR EACH JOB BY REGIONAL ENGINEER.
7. SEE FIGURE CAD 1.



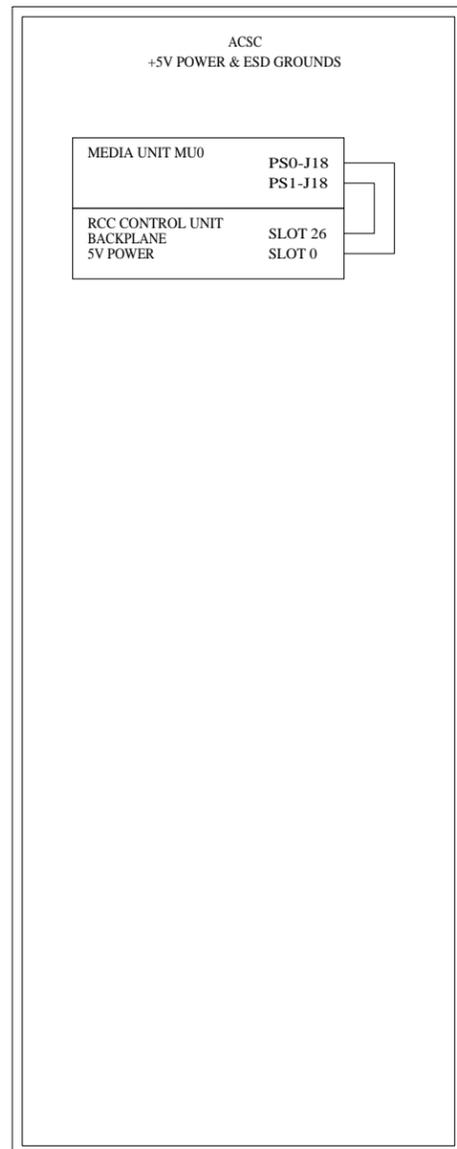
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	C2	1
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AS 4

ACSC POWER CABLING



NOTE: SEE FIGURE CAD2
FOR MORE INFORMATION



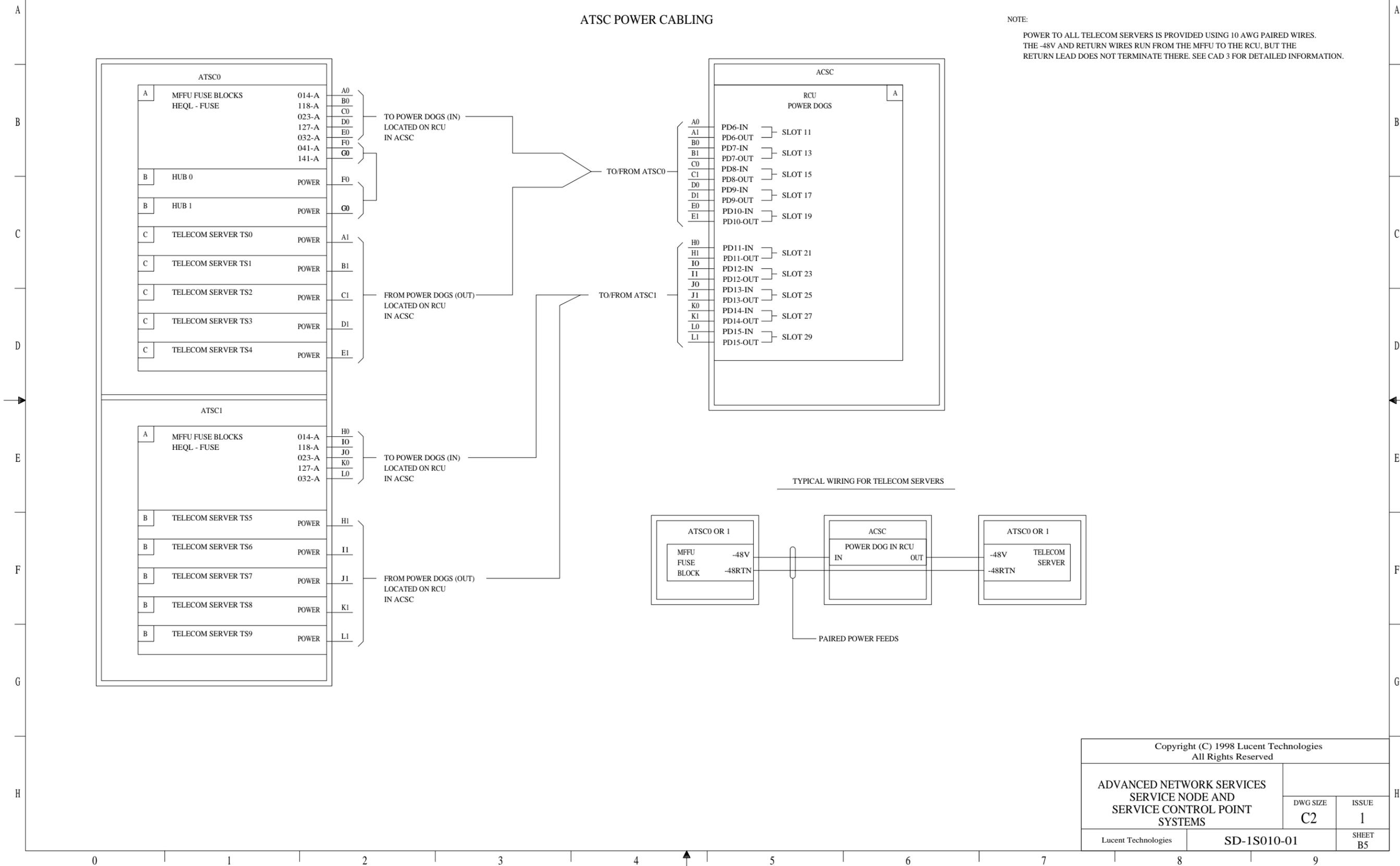
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AS 5

ATSC POWER CABLING

NOTE:

POWER TO ALL TELECOM SERVERS IS PROVIDED USING 10 AWG PAIRED WIRES. THE -48V AND RETURN WIRES RUN FROM THE MFFU TO THE RCU, BUT THE RETURN LEAD DOES NOT TERMINATE THERE. SEE CAD 3 FOR DETAILED INFORMATION.



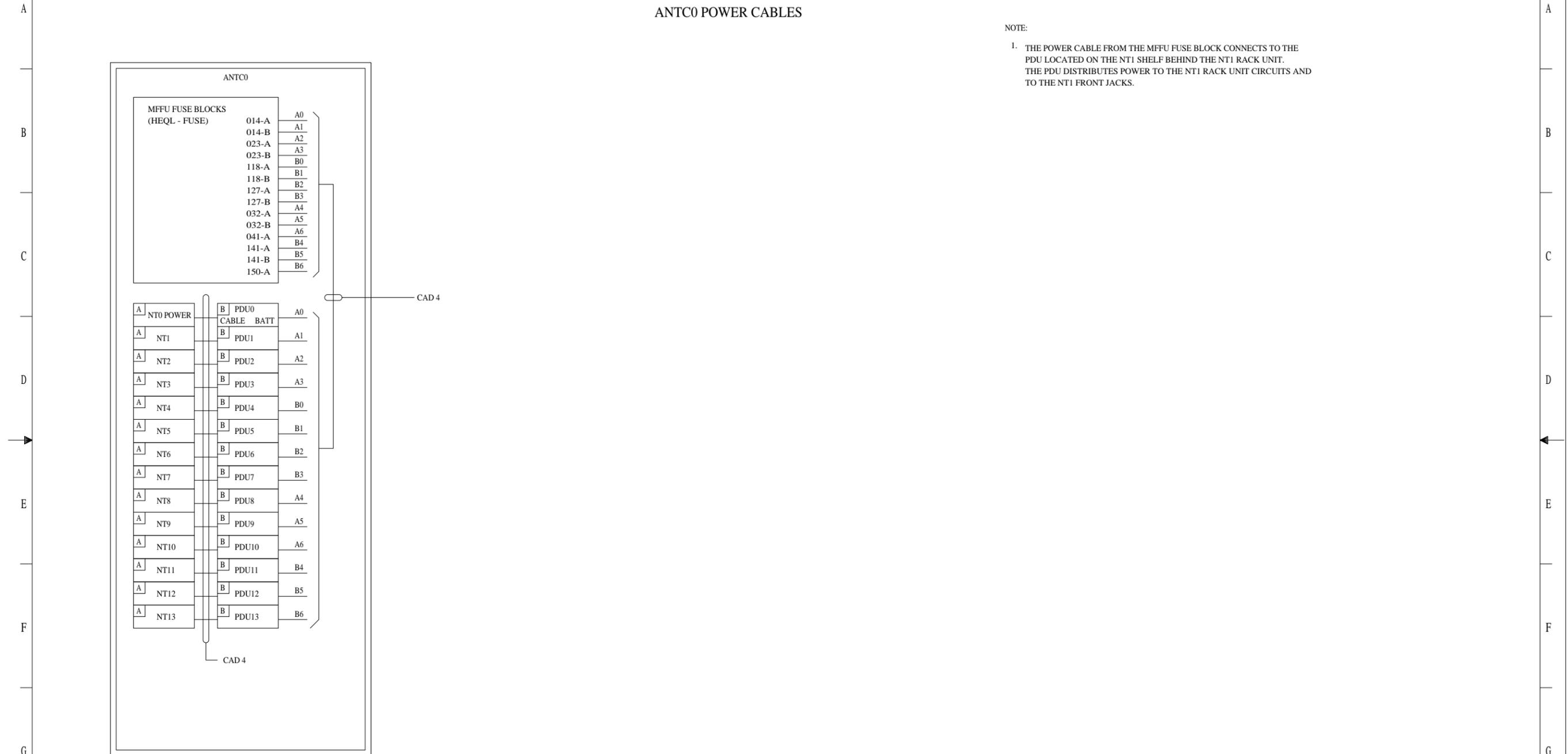
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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
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AS 6

ANTC0 POWER CABLES

NOTE:

1. THE POWER CABLE FROM THE MFFU FUSE BLOCK CONNECTS TO THE PDU LOCATED ON THE NT1 SHELF BEHIND THE NT1 RACK UNIT. THE PDU DISTRIBUTES POWER TO THE NT1 RACK UNIT CIRCUITS AND TO THE NT1 FRONT JACKS.



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	C2	1
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AS 7

MFU FUSE ASSIGNMENTS AND CONFIGURATION

(J5D003FJ-1 G157,CH,CK,CR,F3)

DESCRIPTION

THE MFU IS A SINGLE SHELF WHICH PROVIDES FUSES AND FILTER CAPACITORS AT -48V TO POWER THE VARIOUS UNITS WITHIN THE CABINET.

CAPACITY

THE MFU HAS A CAPACITY 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 POSITIONS FOR 2 ALARM CARDS. THE UNIT IN THIS APPLICATION COMES WITH 8 FEEDER FILTER CAPACITORS, 8 FUSE BLOCKS, AND 1 ALARM CARD. FUSES ARE EQUIPPED AS SPECIFIED IN THE TABLE FOR EACH CABINET'S MFU.

FUSING REQUIREMENTS

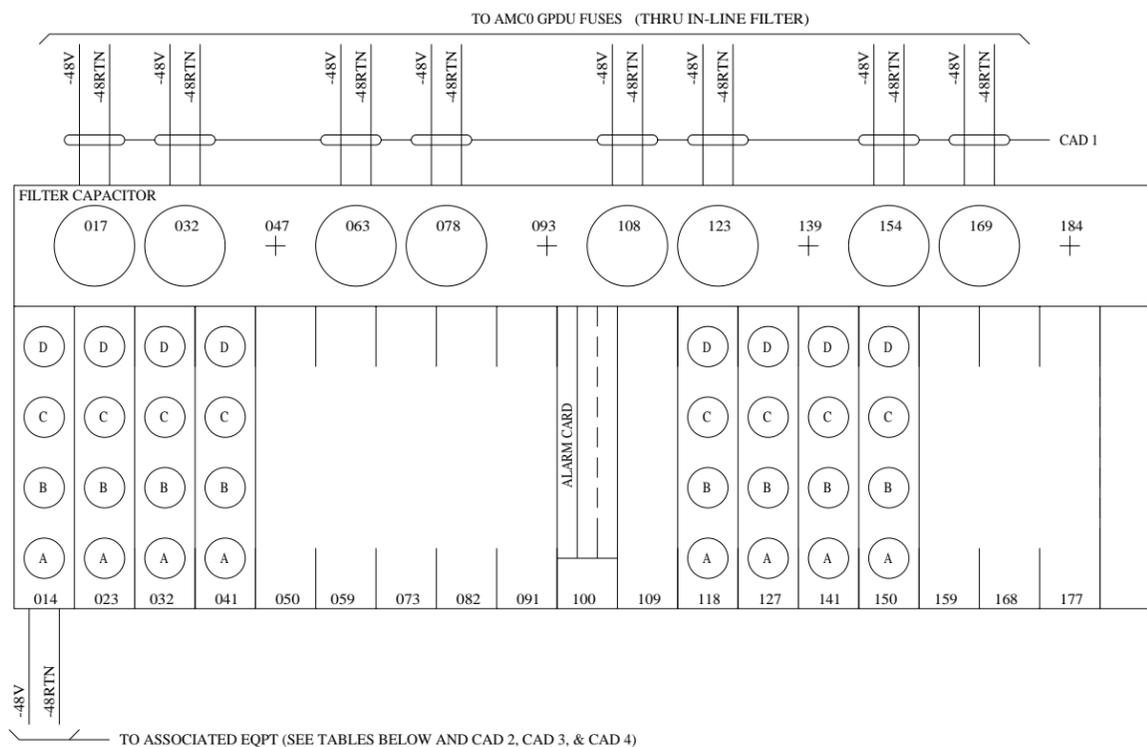
THE MFU IS FUSED IN THE AMCO CABINET AT THE POWER DISTRIBUTION UNIT. ALL OF THE FEEDER FUSES IN THE GPDU ARE 25 AMP. SEE CAD 1

SPECIFIC MOUNTING REQUIREMENTS

THE MFU MOUNTS IN THE UPPER MOST LOCATION IN THE CABINET AT VEQL 069.

IN-LINE POWER FILTERS

FOR EMC COMPLIANCE AN IN-LINE POWER FILTER MUST BE USED WITH EACH POWER FEED. THE IN-LINE FILTER MOUNTS AT TOP OF THE CABINET AT THE SAME HEQL AS THE FEEDER FILTER CAPACITOR.



MFU FUSE ASSIGNMENTS FOR ACSC

POWER BUS	EQL-FUSE	UNIT POWERED	AMP
A	014-A	RCU & CC0	12
A	023-A	MU 0, SIDE 0	7
A	032-A	FAN E	3
A	032-B	MU 1, SIDE 0	7
A	041-A	FAN F	3
A	041-B	ARU	2
B	118-A	RCU & CC1	12
B	127-A	MU 0, SIDE 1	7
B	141-A	FAN G	3
B	141-B	MU 1, SIDE 1	7

MFU FUSE ASSIGNMENTS FOR ATSC0

POWER BUS	EQL-FUSE	UNIT POWERED	AMP
A	014-A	TS 0	15
B	118-A	TS 1	15
A	023-A	TS 2	15
B	127-A	TS 3	15
A	032-A	TS 4	15
A	041-A	HUB 0	3
B	141-A	HUB 1	3

MFU FUSE ASSIGNMENTS FOR ATSC1

POWER BUS	EQL-FUSE	UNIT POWERED	AMP
A	014-A	TS 5	15
B	118-A	TS 6	15
A	023-A	TS 7	15
B	127-A	TS 8	15
A	032-A	TS 9	15

MFU FUSE ASSIGNMENTS FOR ANTC0

POWER BUS	EQL-FUSE	UNIT POWERED	AMP
A	014-A	PDU0/NT0	3
A	014-B	PDU1/NT1	3
A	023-A	PDU2/NT2	3
A	023-B	PDU3/NT3	3
B	118-A	PDU4/NT4	3
B	118-B	PDU5/NT5	3
B	127-A	PDU6/NT6	3
B	127-B	PDU7/NT7	3
A	032-A	PDU8/NT8	3
A	032-B	PDU9/NT9	3
A	041-A	PDU10/NT10	3
B	141-A	PDU11/NT11	3
B	141-B	PDU12/NT12	3
B	150-A	PDU13/NT13	3

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE
C2

ISSUE
1

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SD-1S010-01

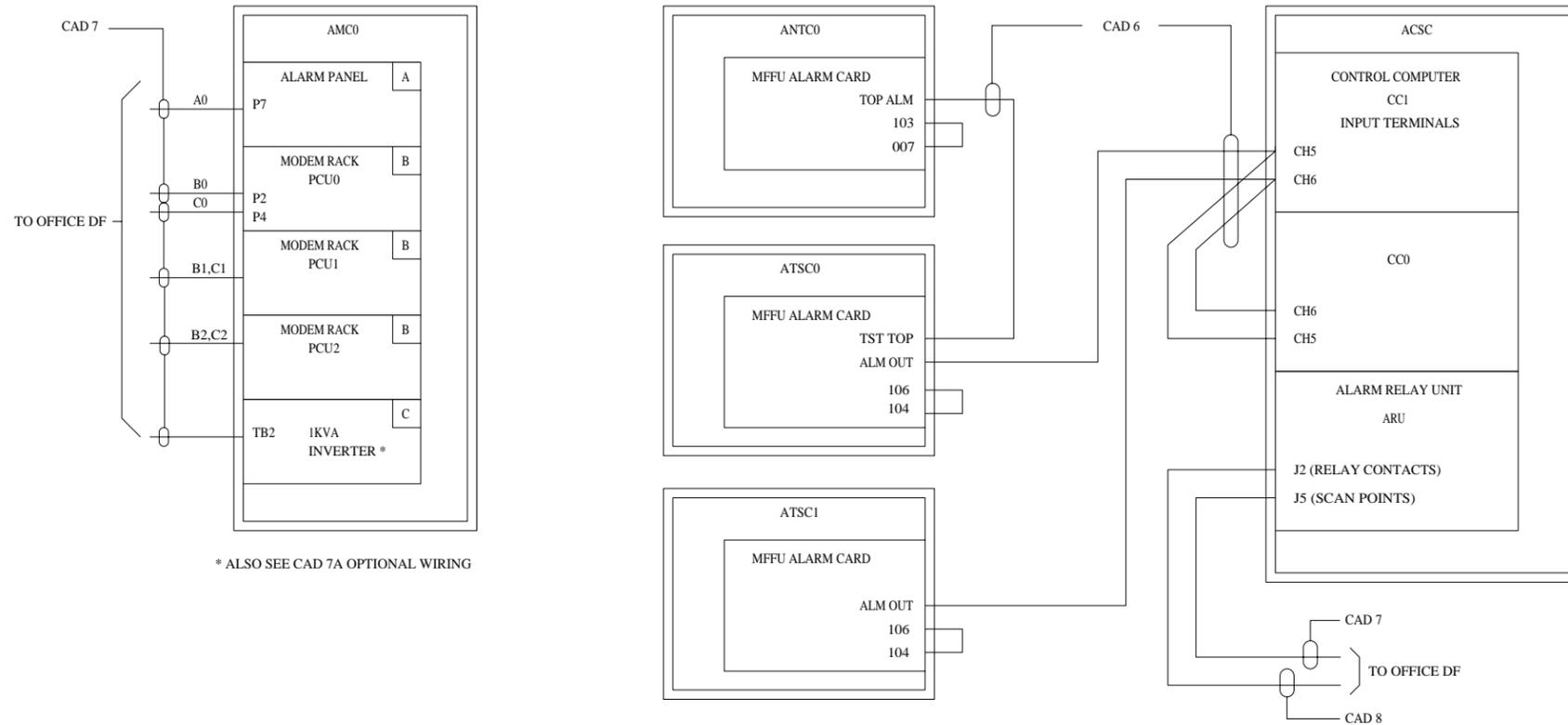
SHEET
B7

AS 8

INTER-CABINET ALARMS

NOTE:

1. ALM OUT FROM ATSC0 & ATSC1 INCLUDES RESISTORS FOR CURRENT LIMITING. SEE THE CAD 6 FIGURE FOR DETAILS. (THE RESISTORS ARE MOUNTED ON THE CONNECTOR PADDLEBOARD.)



* ALSO SEE CAD 7A OPTIONAL WIRING

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 9

ACSC INTRA-CABINET CABLING, ALARMS
 FOR MORE DETAILS SEE FIGURE CAD 5.
 FOR INTER-CABINET CABLING, SEE FIGURE AS-8

NOTES:

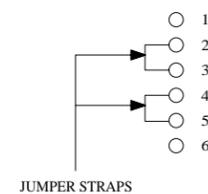
CONTROL COMPUTER ALARM INPUT CHANNELS
 THE INPUT CHANNELS ARE ASSIGNED AS SHOWN IN TABLE 1.

TABLE 1

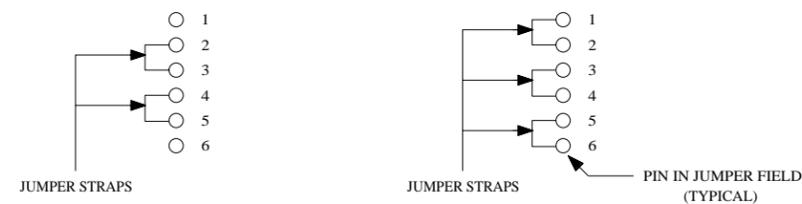
INPUT CHANNEL	ASSIGNED FUNCTION	INPUT MODE TYPE
1	ACSC MFFU FUSE ALARM	CURRENT LOOP
2	MEDIA UNIT 0 POWER ALARM	SWITCH CLOSURE
3	COOLING UNIT FAN ALARM	SWITCH CLOSURE
4	MEDIA UNIT 1 POWER ALARM	SWITCH CLOSURE
5	ATSC0 AND/OR ANTSC0 MFFU FUSE ALARM	CURRENT LOOP
6	ATSC1 MFFU FUSE ALARM	CURRENT LOOP
7	RESERVED FOR FUTURE USE	SWITCH CLOSURE
8	RESERVED FOR FUTURE USE	SWITCH CLOSURE

THE INPUT MODE TYPE IS DETERMINED BY THE POSITION OF JUMPER STRAPS ON THE CONTROL COMPUTER ALARM BOARD (DTI AAB1024) JUMPER FIELDS. THE JUMPER FIELDS ARE NUMBERED ON THE ALARM BOARD AS E1, E2, E3, ..., E7, E8, WHICH CORRESPOND TO THE INPUT CHANNELS 1, 2, 3, ..., 7, 8. EACH OF THESE JUMPER FIELDS HAS 6 PINS (1-6) WHICH MUST BE STRAPPED FOR EITHER SWITCH CLOSURE OR CURRENT LOOP MODE PER THE FIGURES SHOWN HERE. FIELDS E1, E5, & E6 MUST BE STRAPPED FOR CURRENT LOOP. FIELDS E2, E3, E4, E7, E8 MUST BE STRAPPED FOR SWITCH CLOSURE.

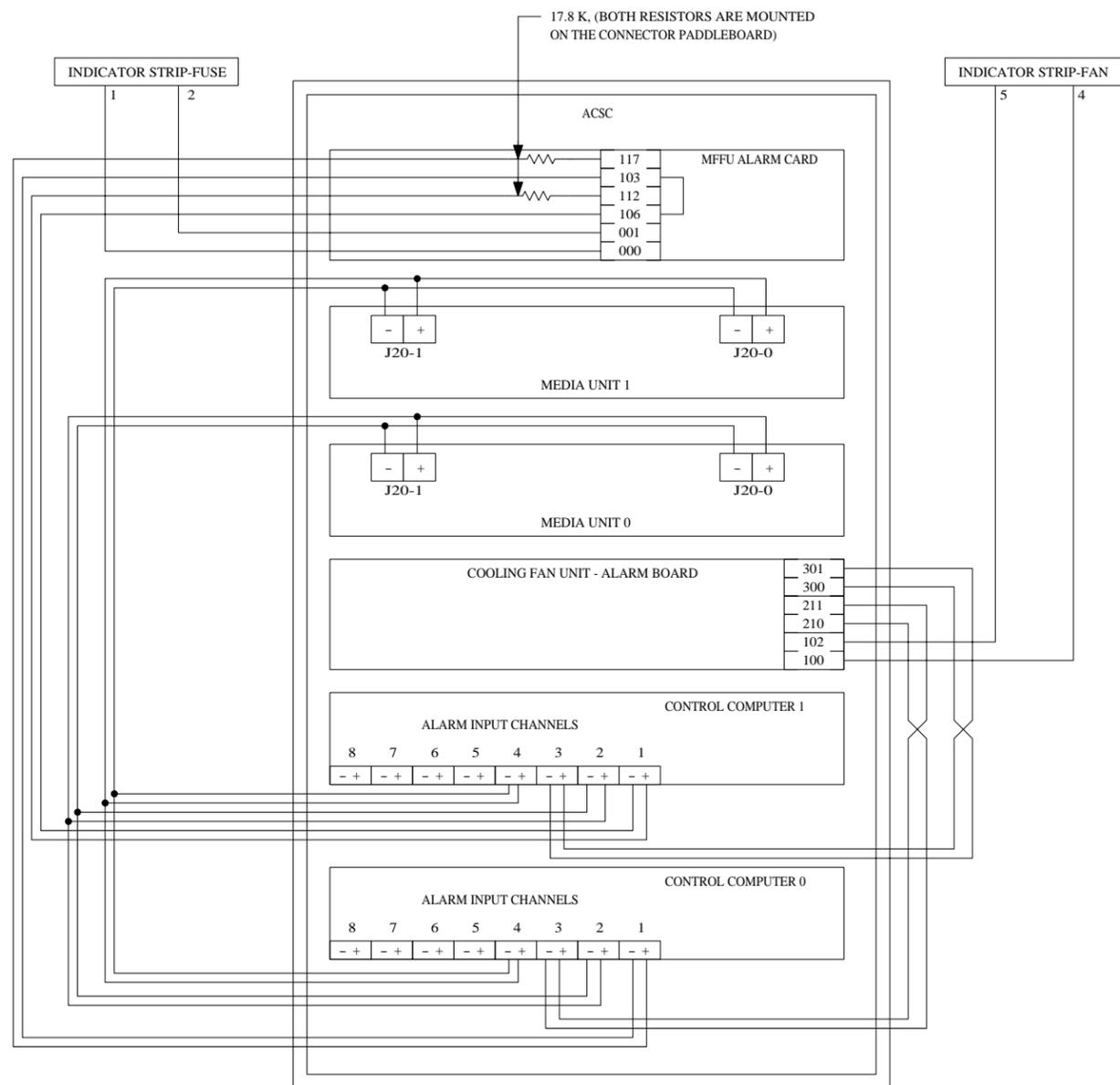
CURRENT LOOP STRAPPING
 E1, E5, E6



SWITCH CLOSURE STRAPPING
 E2, E3, E4, E7, E8



FOR WIRING TO INPUT CHANNELS 5 & 6 SEE FIGURE AS-8 AND CAD 6 (INTER-CABINET WIRING)



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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
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AS 10

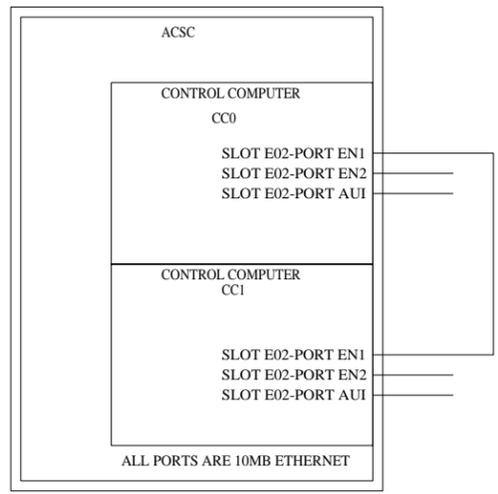
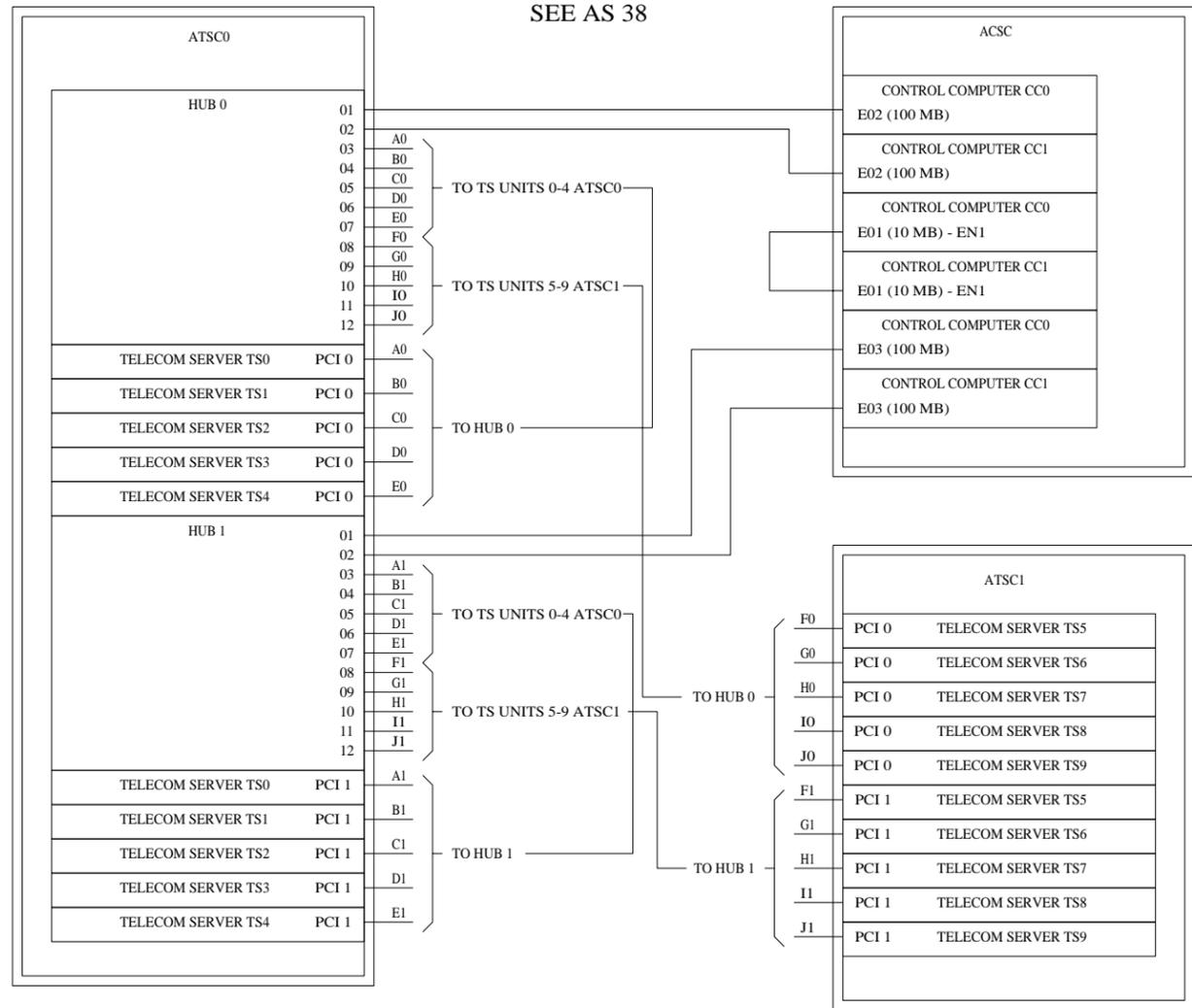
ETHERNET CABLING

SN SYSTEM

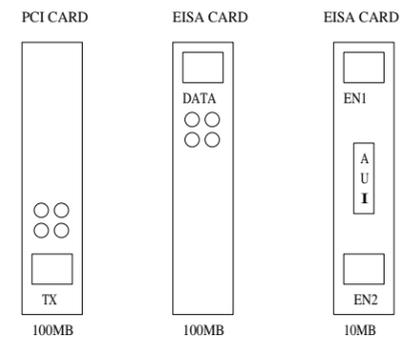
SEE CAD10 & CAD11
FOR MFOS INTERFACE
SEE AS 38

AS 11

MODEL 1 SCP SYSTEM
SEE CAD 11



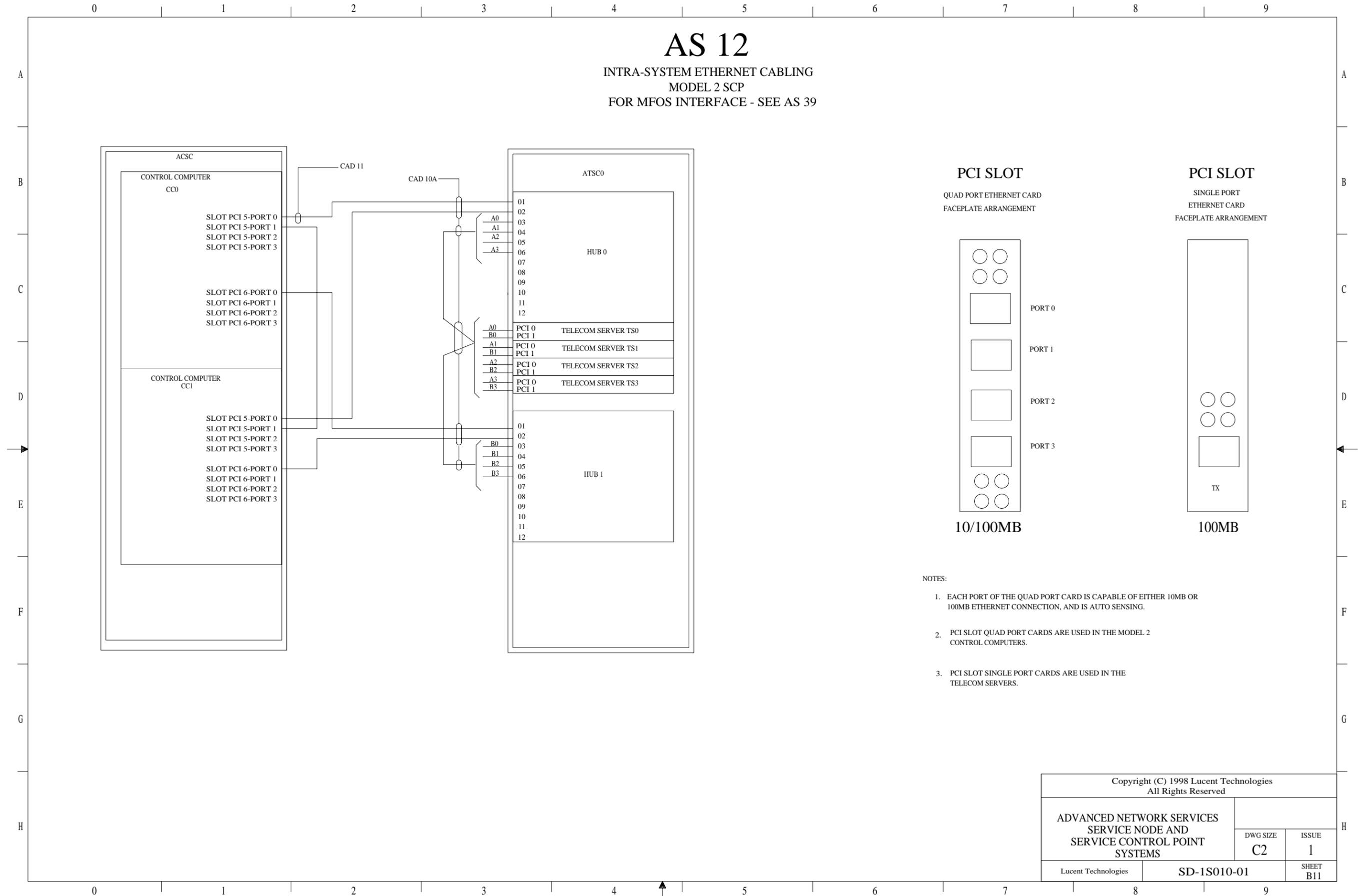
ETHERNET CARD FACEPLATE ARRANGEMENT



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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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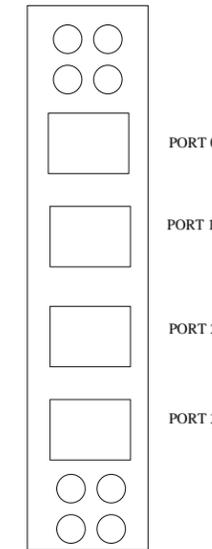
AS 12

INTRA-SYSTEM ETHERNET CABLING
 MODEL 2 SCP
 FOR MFOS INTERFACE - SEE AS 39



PCI SLOT

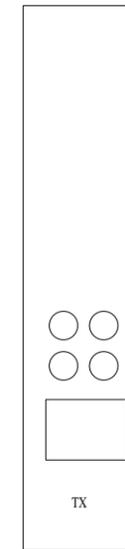
QUAD PORT ETHERNET CARD
 FACEPLATE ARRANGEMENT



10/100MB

PCI SLOT

SINGLE PORT
 ETHERNET CARD
 FACEPLATE ARRANGEMENT



100MB

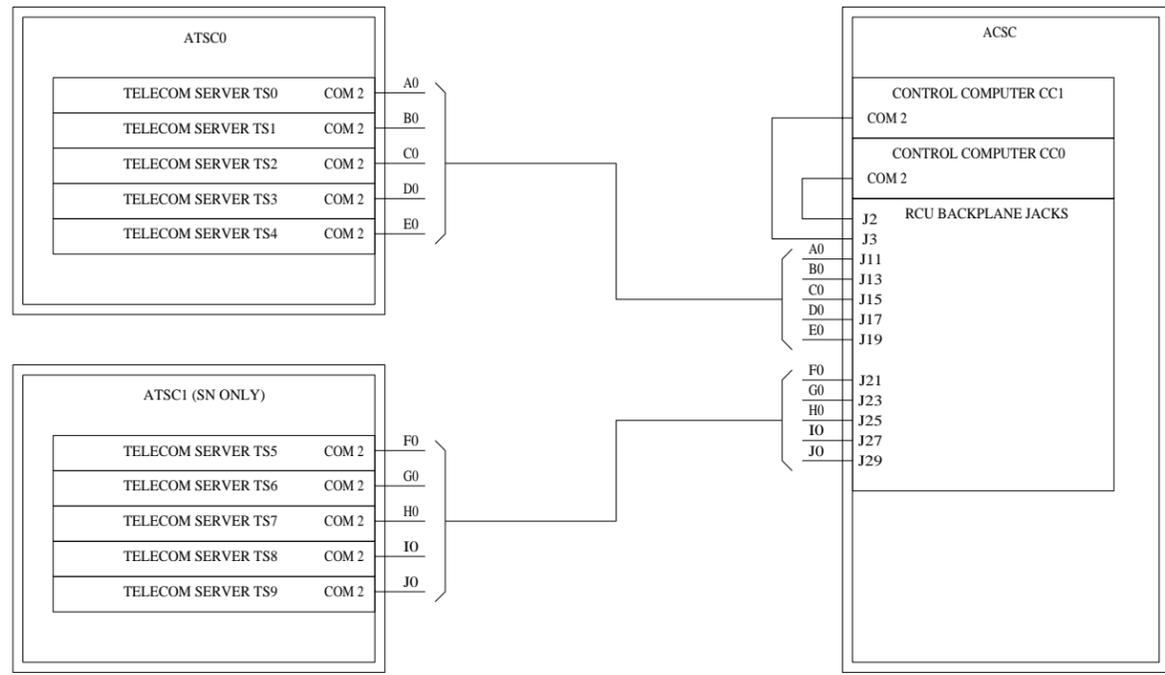
NOTES:

1. EACH PORT OF THE QUAD PORT CARD IS CAPABLE OF EITHER 10MB OR 100MB ETHERNET CONNECTION, AND IS AUTO SENSING.
2. PCI SLOT QUAD PORT CARDS ARE USED IN THE MODEL 2 CONTROL COMPUTERS.
3. PCI SLOT SINGLE PORT CARDS ARE USED IN THE TELECOM SERVERS.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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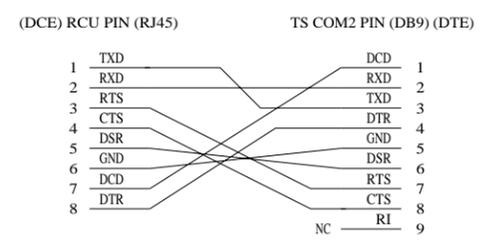
AS 13

SN HEARTBEAT



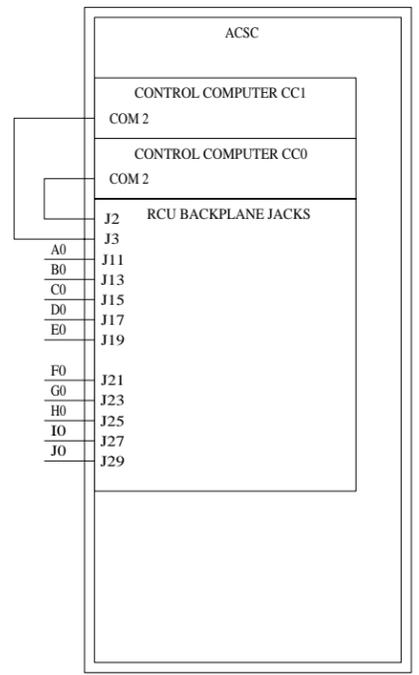
TYPICAL

HEARTBEAT CABLES
PIN TO PIN CONNECTIONS



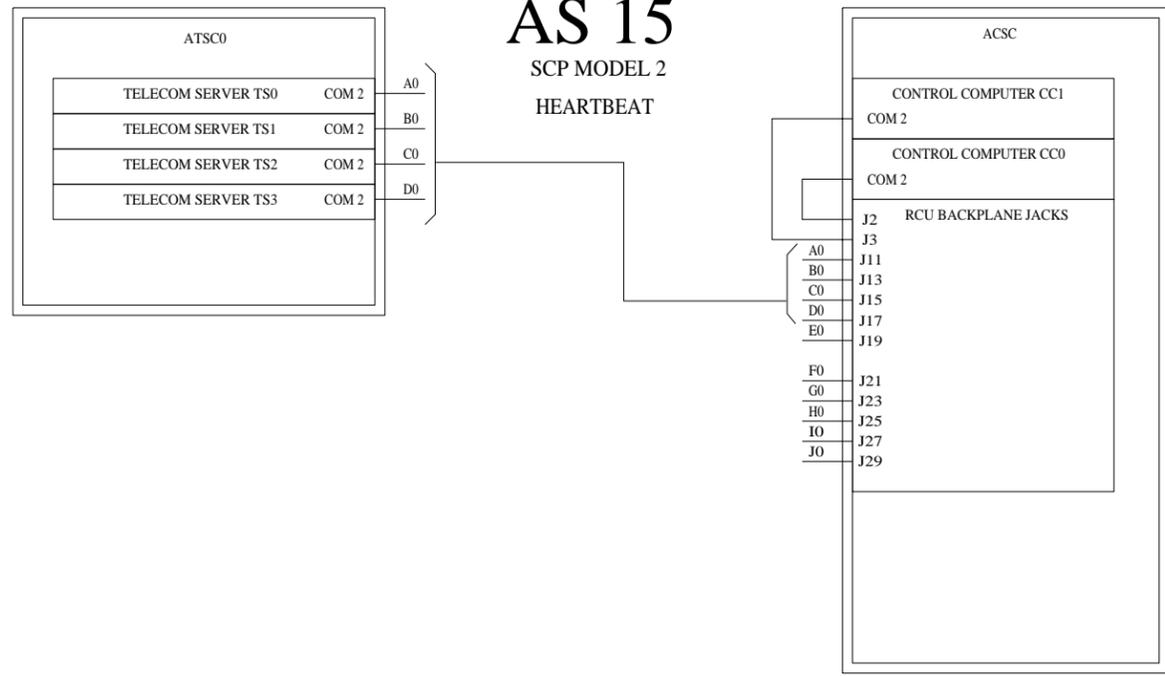
AS 14

SCP MODEL 1
HEARTBEAT



AS 15

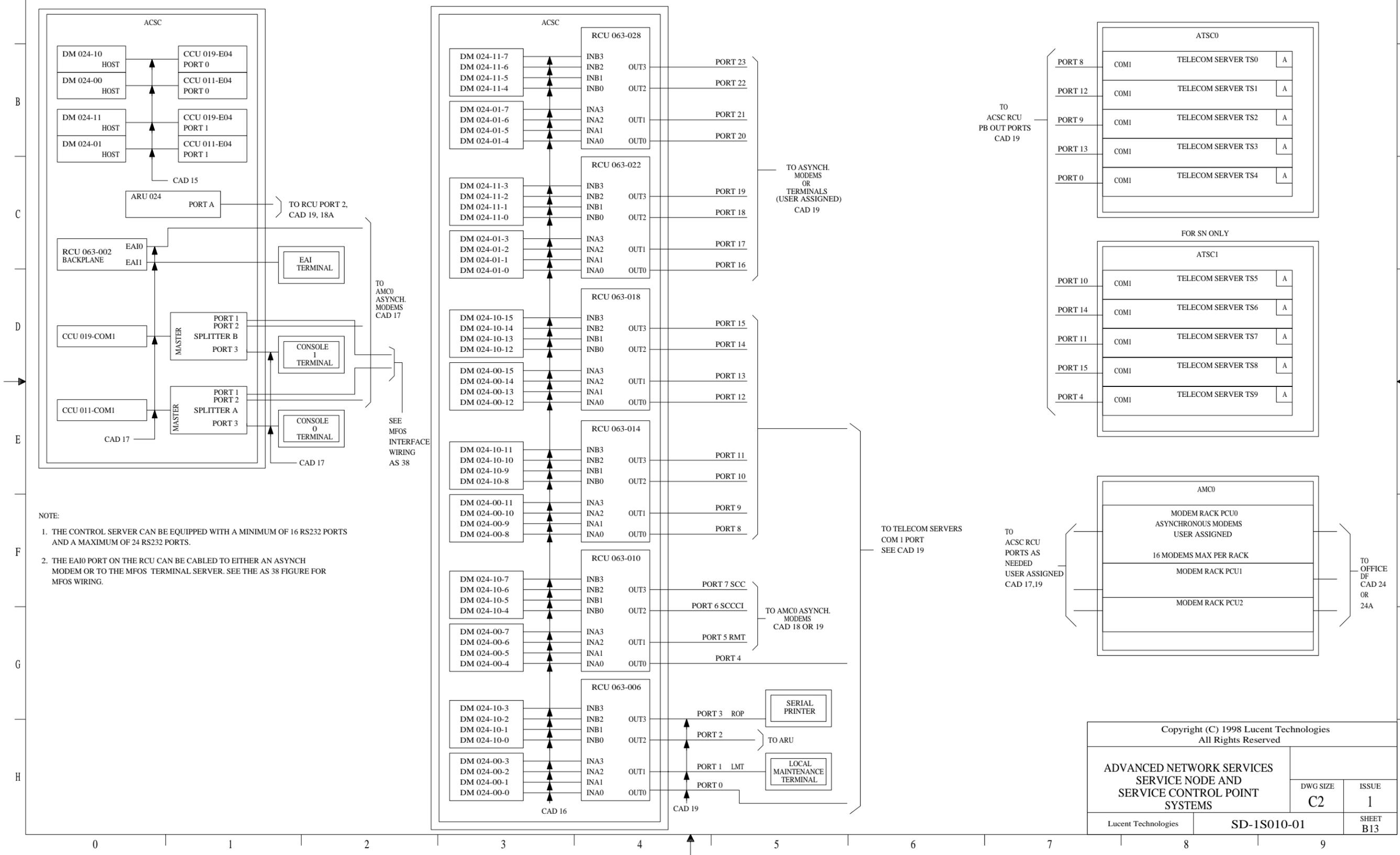
SCP MODEL 2
HEARTBEAT



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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 16

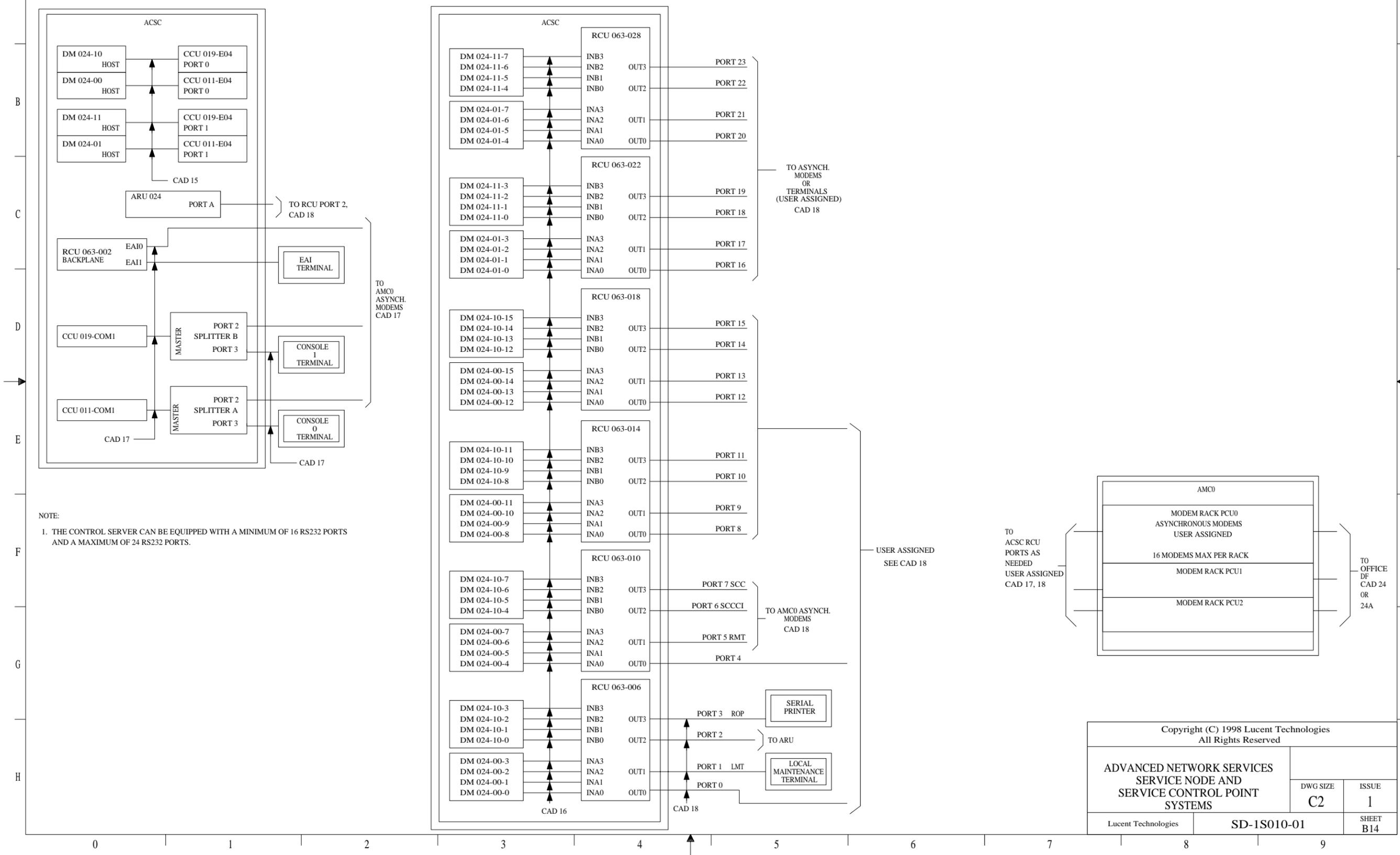
SYNCHRONOUS (RS232) INTERFACE CABLING - SN



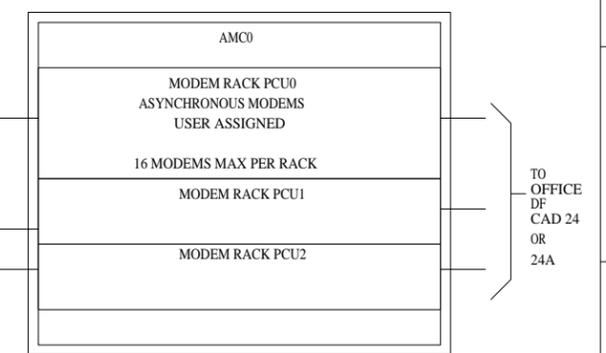
- NOTE:
1. THE CONTROL SERVER CAN BE EQUIPPED WITH A MINIMUM OF 16 RS232 PORTS AND A MAXIMUM OF 24 RS232 PORTS.
 2. THE EAI0 PORT ON THE RCU CAN BE CABLED TO EITHER AN ASYNCH MODEM OR TO THE MFOS TERMINAL SERVER. SEE THE AS 38 FIGURE FOR MFOS WIRING.

AS 17

ASYNCHRONOUS (RS232) INTERFACE CABLING - SCP MODEL 1

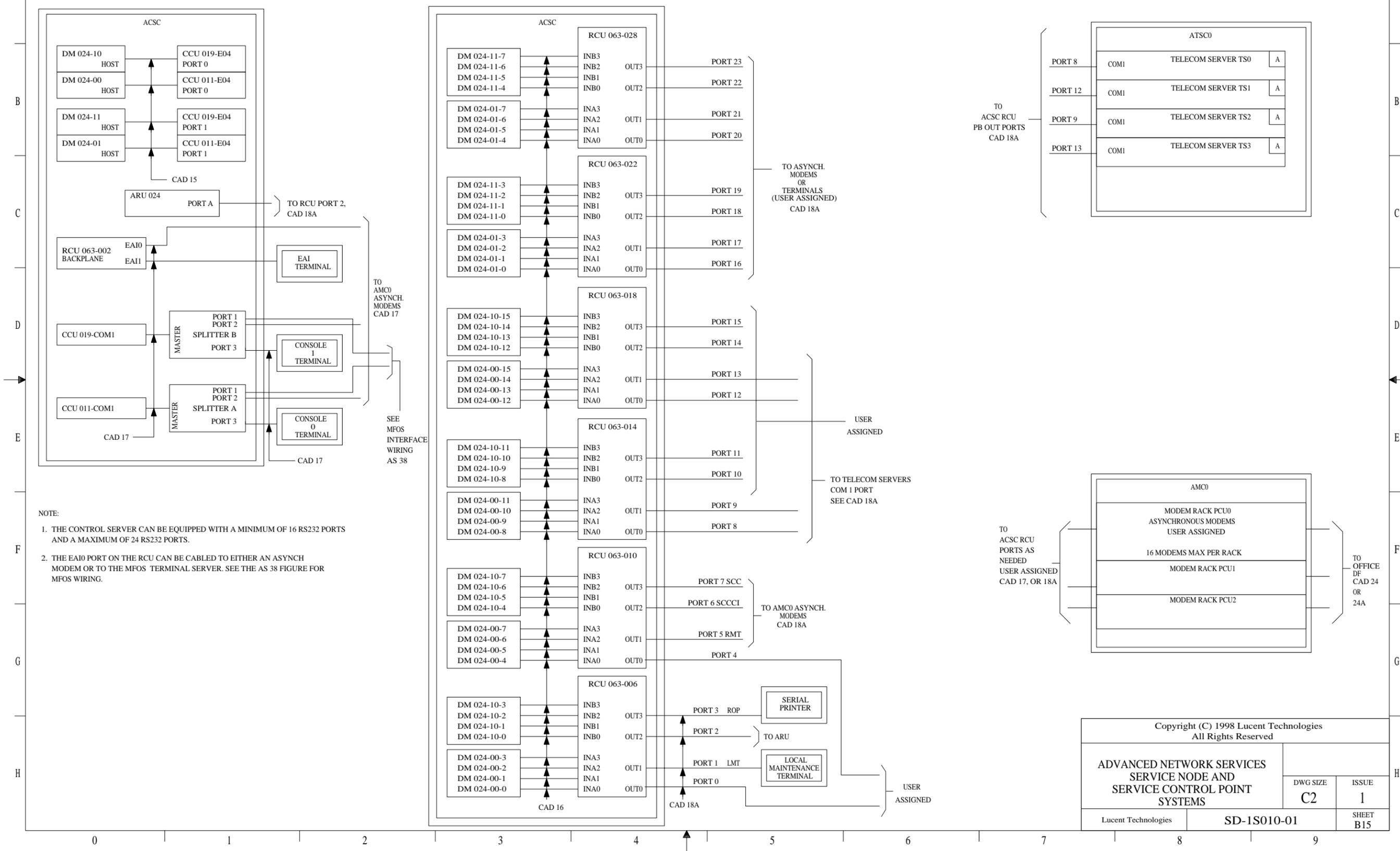


NOTE:
1. THE CONTROL SERVER CAN BE EQUIPPED WITH A MINIMUM OF 16 RS232 PORTS AND A MAXIMUM OF 24 RS232 PORTS.



AS 18

ASYNCHRONOUS (RS232) INTERFACE CABLING - SCP MODEL 1



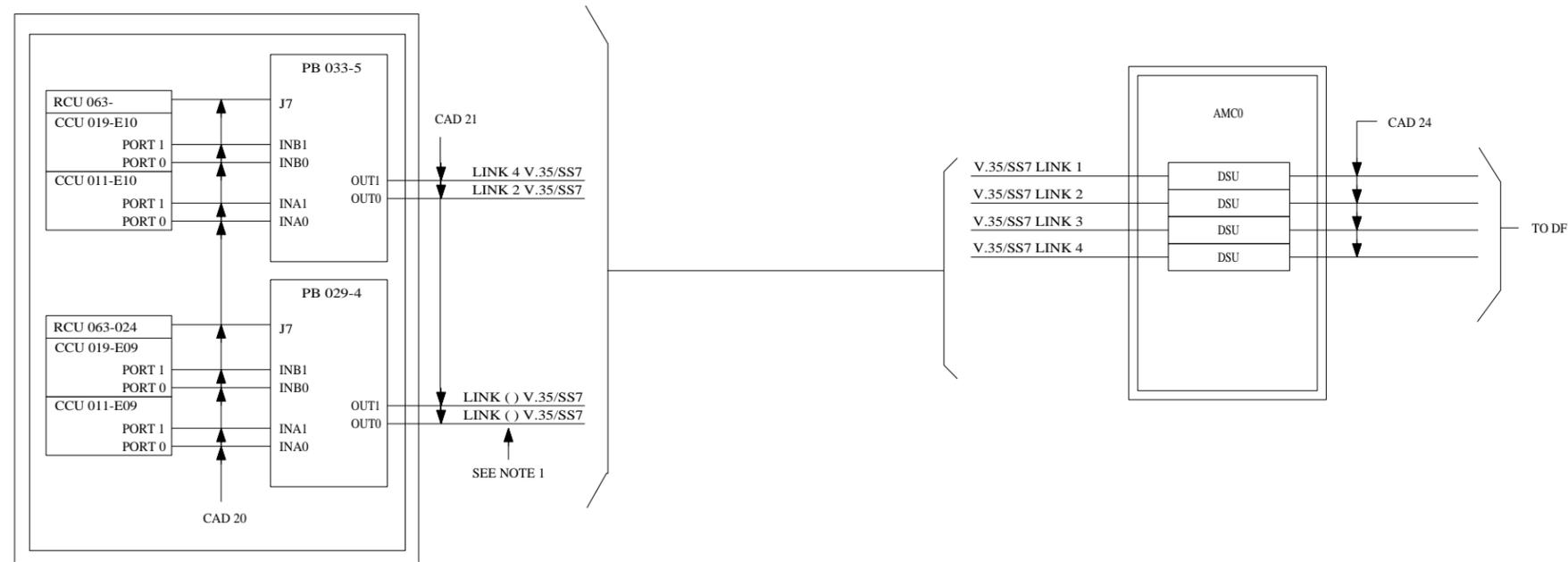
- NOTE:
1. THE CONTROL SERVER CAN BE EQUIPPED WITH A MINIMUM OF 16 RS232 PORTS AND A MAXIMUM OF 24 RS232 PORTS.
 2. THE EAI0 PORT ON THE RCU CAN BE CABLED TO EITHER AN ASYNCH MODEM OR TO THE MFOS TERMINAL SERVER. SEE THE AS 38 FIGURE FOR MFOS WIRING.

AS 19

SS7 SIGNAL CABLING - SN

NOTES:

- 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 SN SYSTEMS THE CONTROL SERVER CAN BE EQUIPPED WITH 0, 2, OR 4 SS7 LINKS.
(LINKS 1 THRU 4)



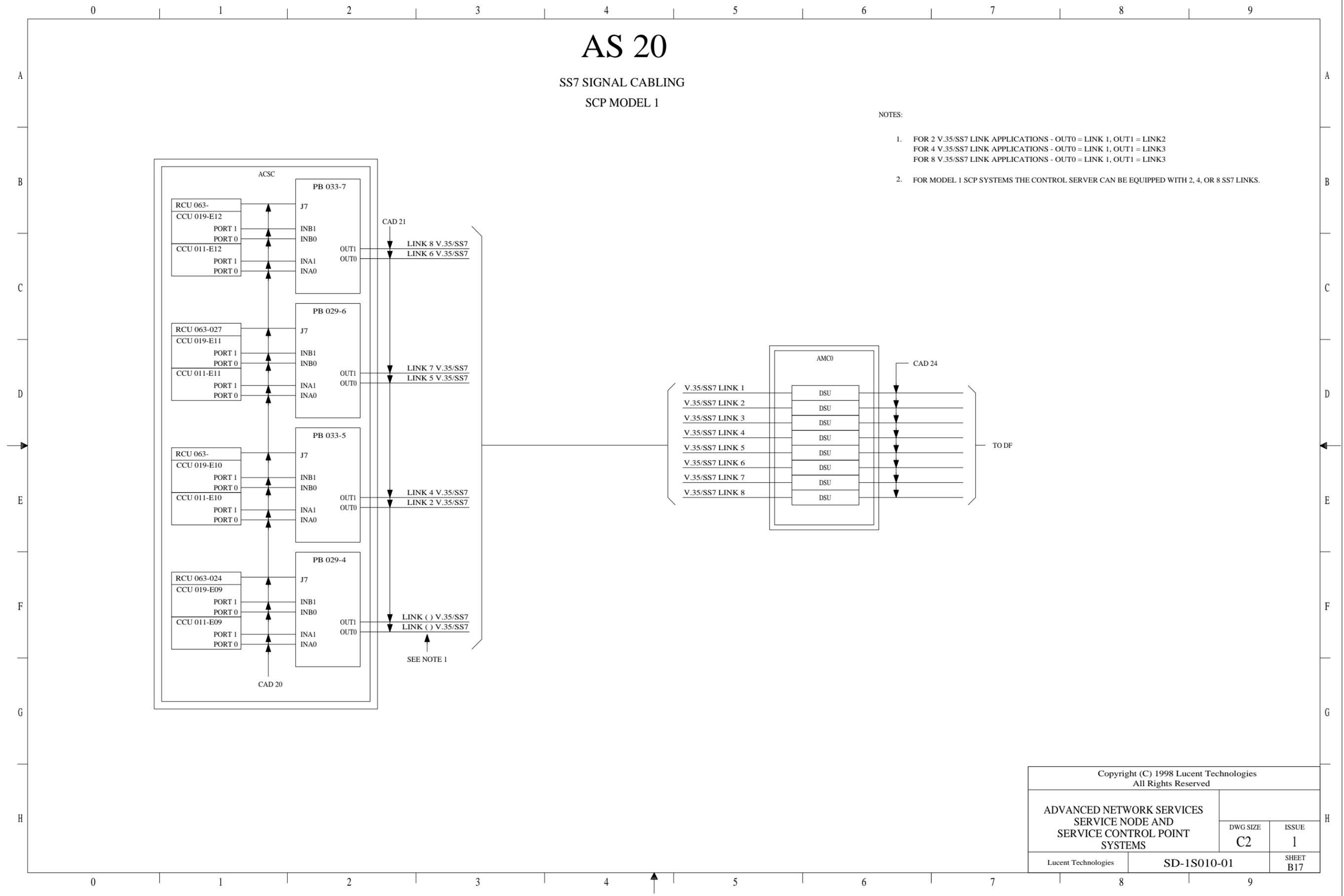
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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET B16

AS 20

SS7 SIGNAL CABLING SCP MODEL 1

NOTES:

- 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
- FOR MODEL 1 SCP SYSTEMS THE CONTROL SERVER CAN BE EQUIPPED WITH 2, 4, OR 8 SS7 LINKS.



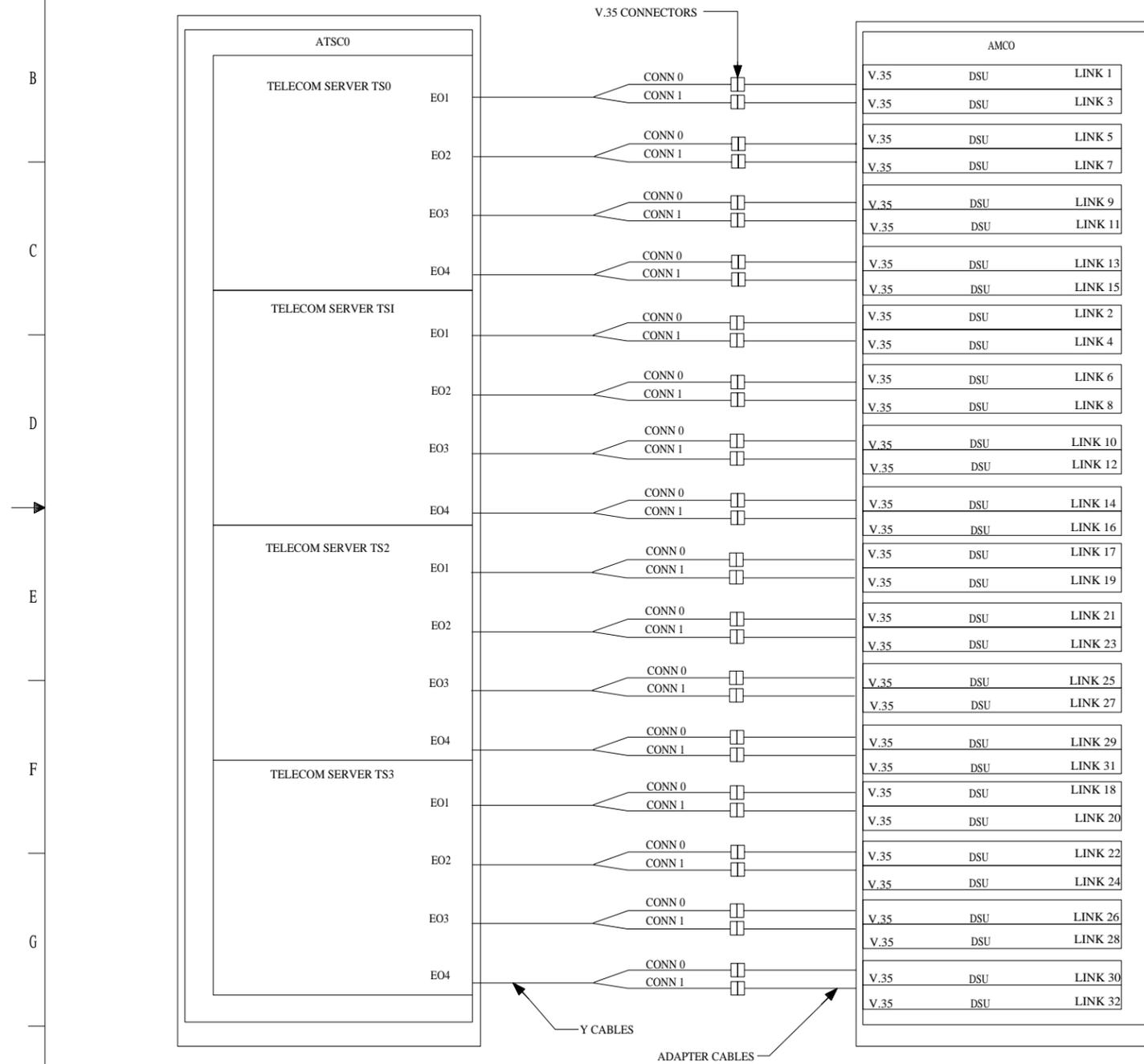
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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 21

SS7 SIGNAL CABLING FOR SCP MODEL 2 HARDWARE

NOTES:

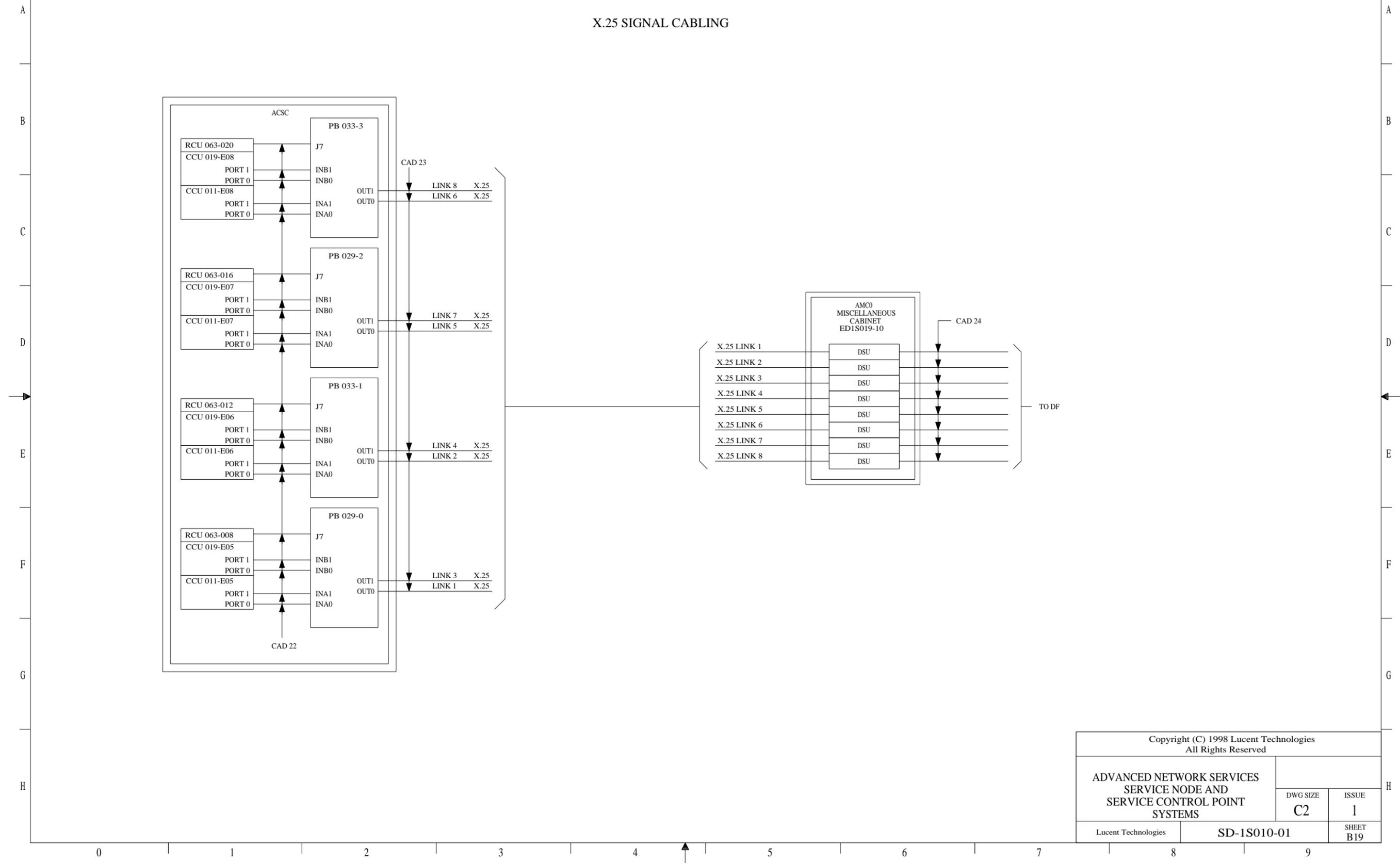
- FOR MAXIMUM RELIABILITY THE LINKS SHOULD BE ASSIGNED SLOTS IN ALTERNATE MODEM RACKS.
- THE V.35 CONNECTOR ON THE MODEM RACK IS THE BOTTOM CONNECTOR OF THE 2 DB25 CONNECTORS ON THE REAR CONNECTOR PLATE. THE DSU IS CONNECTED TO THE V.35 Y-CABLE VIA AN ADAPTER CABLE THAT COMES WITH THE DSU.
- Y-CABLE WITH V.35 CONNECTORS AT THE MODEM END ARE COMCODE 407575703. THE ADAPTER CABLE IS PART OF THE DSU KIT, BUT IS AVAILABLE SEPERATELY UNDER COMCODE 106476237.



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AS 22

X.25 SIGNAL CABLING



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SERVICE NODE AND
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DWG SIZE	ISSUE
C2	1

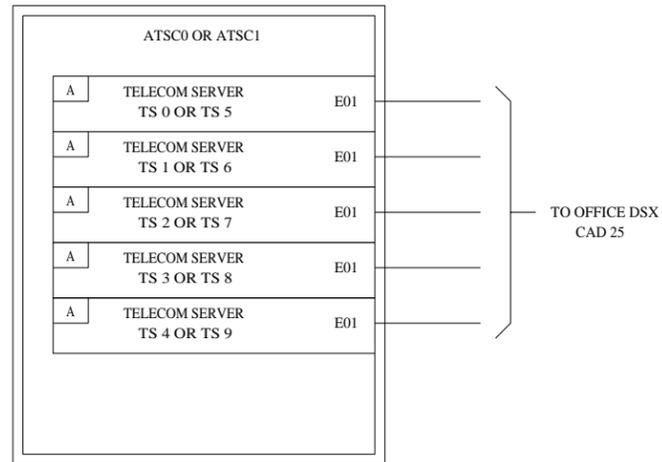
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B19

AS 23

INTER-CABINET CABLING FOR TELECOM SERVERS
 CONFIGURED FOR UNIVERSAL VOICE DIALING SERVICE,
 CONFIGURATIONS 1 THRU 4.
 (EACH CONFIGURATION REQUIRES 1 CABLE PER TS FOR 5 T1 LINES)
 (CABLE CONNECTS TO THE AYC52 CARD IN EISA SLOT 01 WITH A DB25 TYPE CONNECTOR)



T1 LINE
 CABLE PIN CONNECTION (DSX TERMINATIONS)

CONN 1 PIN	WIRE COLOR	CARD FUNCTION
1	-	N.C.
2	BL-W	LINE 1, TRANSMIT RING
3	O-W	LINE 1, RECEIVE RING
4	G-W	LINE 2, TRANSMIT TIP
5	BR-W	LINE 2, RECEIVE TIP
6	-	N.C.
7	S-W	LINE 3, TRANSMIT RING
8	BL-R	LINE 3, RECEIVE RING
9	O-R	LINE 4, TRANSMIT TIP
10	G-R	LINE 4, RECEIVE TIP
11	-	N.C.
12	BR-R	LINE 5, TRANSMIT RING
13	S-R	LINE 5, RECEIVE RING
14	W-BL	LINE 1, TRANSMIT TIP
15	W-O	LINE 1, RECEIVE TIP
16	-	N.C.
17	W-G	LINE 2, TRANSMIT RING
18	W-BR	LINE 2, RECEIVE RING
19	W-S	LINE 3, TRANSMIT TIP
20	R-BL	LINE 3, RECEIVE TIP
21	-	N.C.
22	R-O	LINE 4, TRANSMIT RING
23	R-G	LINE 4, RECEIVE RING
24	R-BR	LINE 5, TRANSMIT TIP
25	R-S	LINE 5, RECEIVE TIP

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 24

INTER-CABINET CABLING FOR PROLINK (T1_VOICE) AND BRI(PRI_VOICE) SERVICES - CONFIGURATIONS 10-12 & 60-62

THE VT1 (DIALOGIC, VOICE & T1, D240SC-T1) CARD IN A TELECOM SERVER PROVIDES BOTH VOICE SERVICES AND A T1 LINK TO THE DSX PANEL.
 IF ONLY VOICE SERVICES ARE BEING USED, THE FIRST CARD (LOWEST E SLOT NUMBER) MUST STILL BE CABLED TO THE DSX PANEL TO PICKUP A NETWORK TIMING SIGNAL. THE ABRI (AMTELCO BRI) CARDS PROVIDE 12 BRI LINKS PER CARD. THE LINKS ARE 4 WIRE "T" INTERFACE LINKS. EACH OF THESE ABRI CARDS REQUIRES CABLING TO THE DISTRIBUTING FRAME, OR TO NT1 EQUIPMENT FOR CONVERSION TO 2 WIRE "U" INTERFACE CIRCUITS. TS UNITS PROVIDING EITHER OF THESE SERVICES CAN BE LOCATED AT ANY POSITION WITHIN ATSC0 OR ATSC1 (IE TS0 THRU TS9).

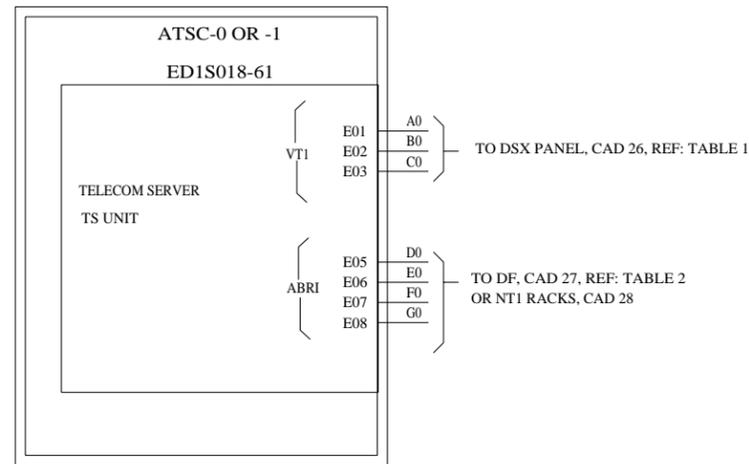


TABLE 1
VT1 TO DSX CABLE PIN CONNECTIONS
(SEE CAD 26)

RJ45 PIN	FUNCTION	WIRE COLOR
1	RX R	B1-W
2	RX T	W-B1
3	NONE	-
4	TX T	W-O
5	TX R	O-W
6	NONE	-
7	NONE	-
8	NONE	-

TABLE 2
ABRI TO DF, 4 WIRE CABLE PIN CONNECTIONS
(SEE CAD 27)

CONN PIN #	FUNCTION	WIRE COLOR	CONN PIN #	FUNCTION	WIRE COLOR
1	TX T0	W-O	26	TX R0	O-W
2	RX T0	W-B1	27	RX R0	B1-W
3	TX T1	W-BR	28	TX R1	BR-W
4	RX T1	W-G	29	RX R1	G-W
5	TX T2	R-B1	30	TX R2	B1-R
6	RX T2	W-S	31	RX R2	S-W
7	TX T3	R-G	32	TX R3	G-R
8	RX T3	R-O	33	RX R3	O-R
9	TX T4	R-S	34	TX R4	S-R
10	RX T4	R-BR	35	RX R4	BR-R
11	TX T5	BK-O	36	TX R5	O-BK
12	RX T5	BK-B1	37	RX R5	B1-BK
13	NONE	NONE	38	NONE	NONE
14	TX T6	BK-BR	39	TX R6	BR-BK
15	RX T6	BK-G	40	RX R6	G-BK
16	TX T7	Y-B1	41	TX R7	B1-Y
17	RX T7	BS-S	42	RX R7	S-BK
18	TX T8	Y-G	43	TX R8	G-Y
19	RX T8	Y-O	44	RX R8	O-Y
20	TX T9	Y-S	45	TX R9	S-Y
21	RX T9	Y-BR	46	RX R9	BR-Y
22	TX T10	V-O	47	TX R10	O-V
23	RX T10	V-B1	48	RX R10	B1-V
24	TX T11	V-BR	49	TX R11	BR-V
25	RX T11	V-G	50	RX R11	G-V

TYPICAL NT1 EQUIPMENT CABLING
FOR A FULLY CONFIGURED TS UNIT

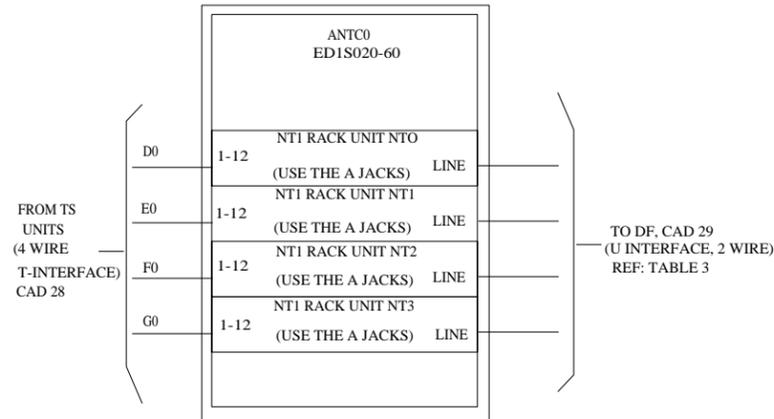


TABLE 3
NT1 TO DF, 2 WIRE CABLE PIN CONNECTIONS
(SEE CAD 29)

CONN PIN	FUNCTION	WIRE COLOR	WIRE COLOR		
			CONN PIN	FUNCTION	WIRE COLOR
1	RING 1	BL-W	26	TIP 1	W-B1
2	RING 2	O-W	27	TIP 2	W-O
3	RING 3	G-W	28	TIP 3	W-G
4	RING 4	BR-W	29	TIP 4	W-BR
5	RING 5	S-W	30	TIP 5	W-S
6	RING 6	B1-R	31	TIP 6	R-B1
7	RING 7	O-R	32	TIP 7	R-O
8	RING 8	G-R	33	TIP 8	R-G
9	RING 9	BR-R	34	TIP 9	R-BR
10	RING 10	S-R	35	TIP 10	R-S
11	RING 11	B1-BK	36	TIP 11	BK-B1
12	RING 12	O-BK	37	TIP 12	BK-O
13-25	NONE	NONE	38-50	NONE	NONE

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DWG SIZE
C2

ISSUE
1

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AS 25

INTER-CABINET CABLING FOR PRI(PRI_VOICE) SERVICES - CONFIGURATION 40

THE VT1 (DIALOGIC, VOICE & T1, D240SC-T1)CARD PROVIDES BOTH VOICE AND T1 CAPABILITIES.
 EACH CARD REQUIRES ONE CABLE TO THE DSX PANEL. SEE TABLE 1 FOR THE CABLE PIN INFORMATION
 A TS UNIT EQUIPPED FOR THIS SERVICE CAN BE LOCATED ANYWHERE IN EITHER ATSC0 OR ATSC1.

TYPICAL TELECOM SERVER CABLING
 FOR A FULLY CONFIGURED TS UNIT

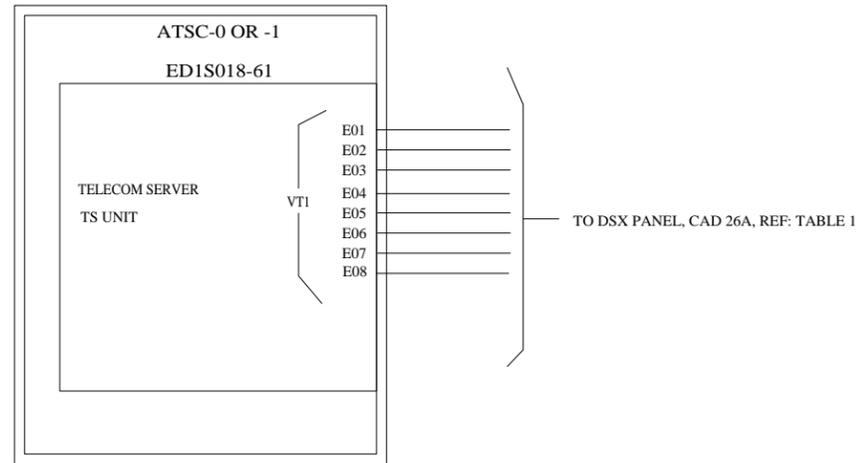


TABLE 1

VT1 TO DSX CABLE PIN CONNECTIONS
 (SEE CAD 26 & CAD 26A)

RJ45 CONN PIN	FUNCTION	WIRE COLOR
1	RECEIVE R	BL-W
2	RECEIVE T	W-B1
3	NONE	-
4	TRANSMIT T	W-O
5	TRANSMIT R	O-W
6	NONE	-
7	NONE	-
8	NONE	-

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ADVANCED NETWORK SERVICES
 SERVICE NODE AND
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 SYSTEMS

DWG SIZE
C2

ISSUE
1

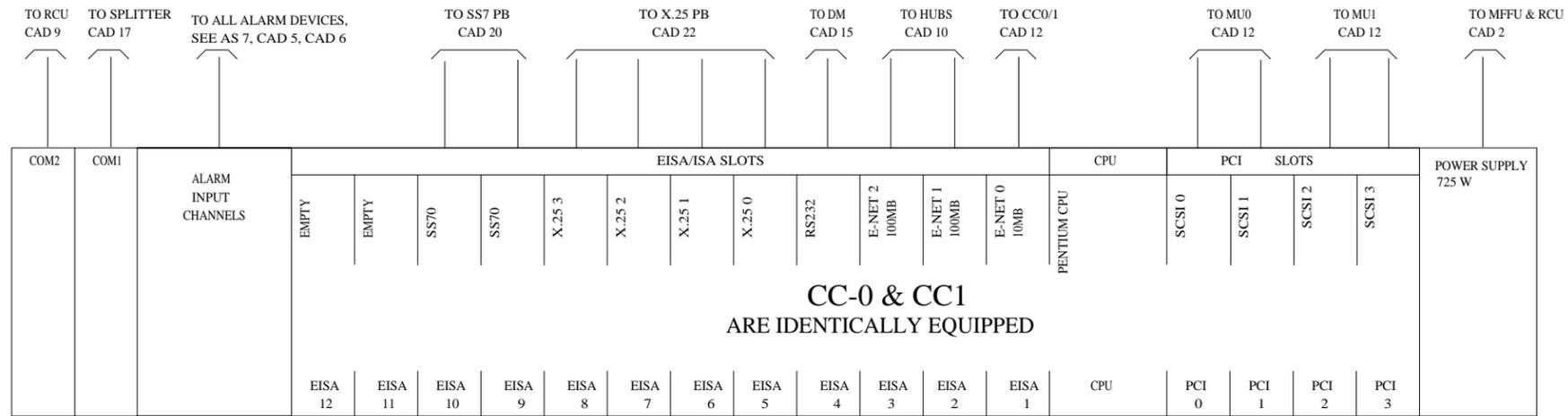
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AS 26

SN MAXIMUM CONFIGURATION



NOTES:

DESCRIPTION:

THE CONTROL SERVER IS MADE UP OF TWO IDENTICAL COMPUTER UNITS, (CC-0 & CC-1). THE CONTROL SERVER PROVIDES OVERALL SYSTEM CONTROL, DATA BASE ACCESS, ASYNCHRONOUS, SCSI, SYNCHRONOUS, ALARM, AND ETHERNET INTERFACES.

CAPACITY:

EACH CONTROL COMPUTER SHELF CAN SUPPORT MULTIPLE ETHERNET INTERFACES, UP TO 24 ASYNCHRONOUS INTERFACE PORTS (VIA THE RS232 DISTRIBUTION MODULE AND RCU), UP TO 8 X.25 LINKS, 4 SS7 LINKS (FOR SN), 8 SS7 LINKS (MODEL 1 SCP), 32 SS7 LINKS (MODEL 2 SCP, USING DISTRIBUTED SS7), AND 4 SCSI HOST ADAPTER PORTS.

FUSING REQUIREMENTS:

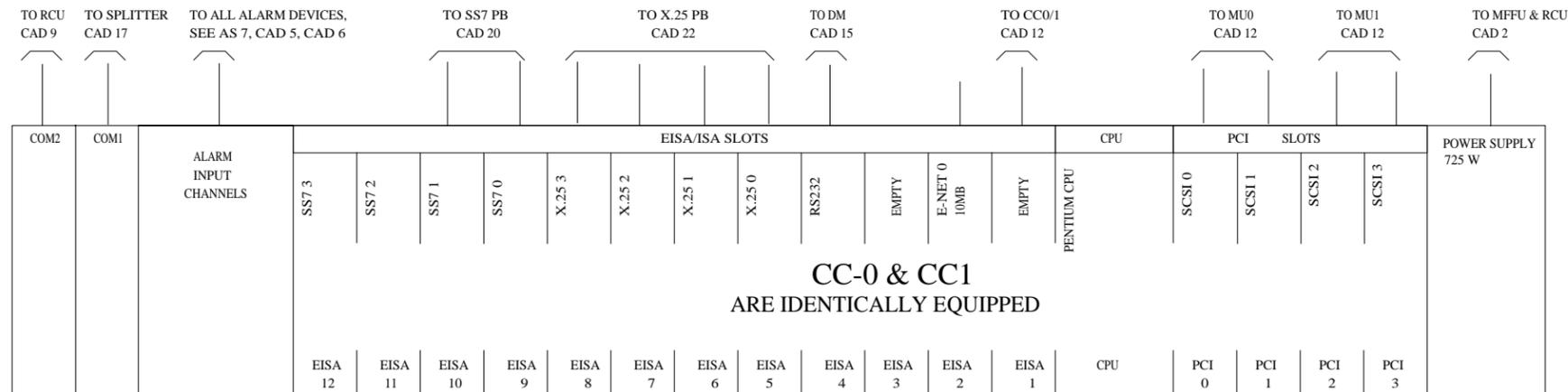
SEE AS5

SPECIFIC MOUNTING REQUIREMENTS:

CC-0 MOUNTS AT EQL 11 OF THE ACSC, CC-1 MOUNTS AT EQL 19 OF THE ACSC. BOTH UNITS MOUNT ON SLIDE OUT DRAWERS, AND EACH HAS ITS OWN CABLE ARM AT THE REAR FOR CABLE CONTROL WHEN THE UNIT IS PULLED FORWARD ON THE DRAWER SLIDES.

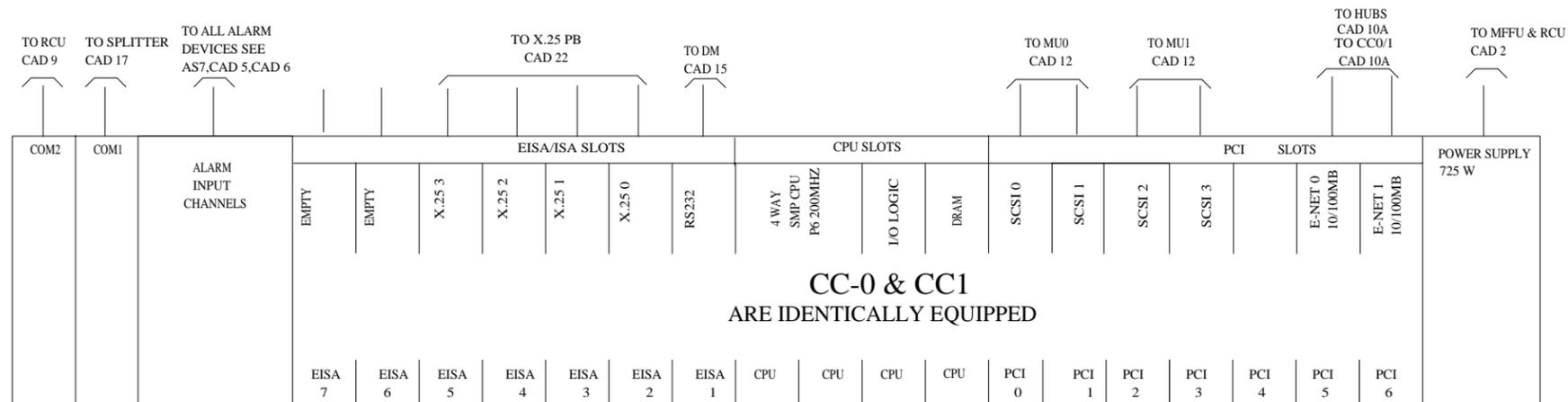
AS 27

SCP, MODEL 1, MAXIMUM CONFIGURATION



AS 28

SCP, MODEL 2, MAXIMUM CONFIGURATION



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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE
C2

ISSUE
1

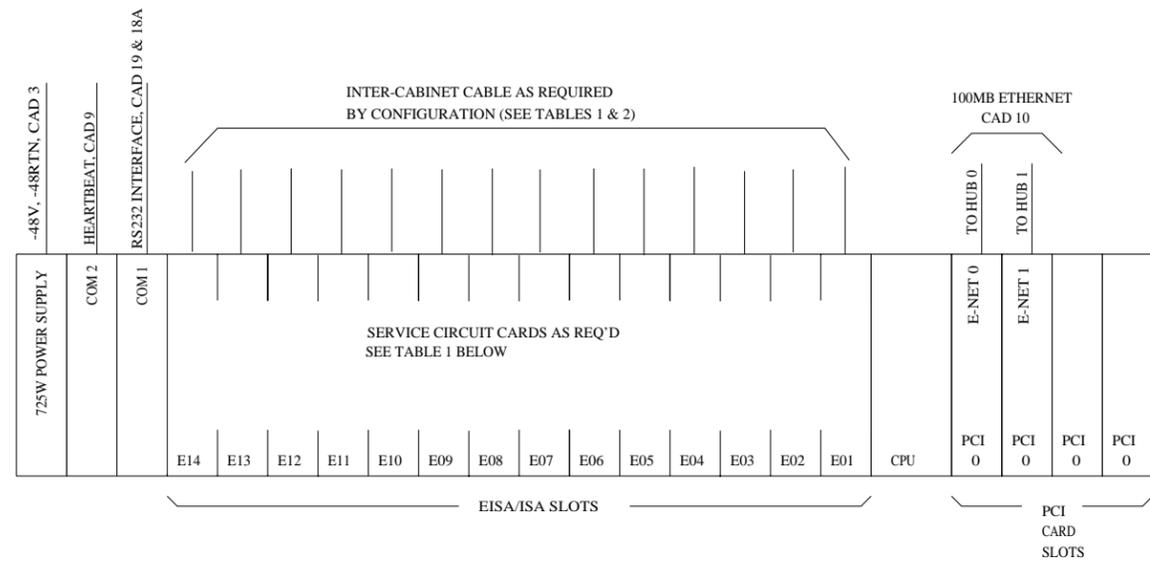
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B23

AS 29

TELECOM SERVER CONFIGURATIONS



NOTES:

1. CONFIGURATIONS 1-4 REQUIRE AN SCSA BUS RIBBON CABLE WITH LEAD #1 CUT AT SLOT E03 TO PREVENT OVERLOAD OF THE CLOCK SIGNAL.
2. CONFIGURATIONS 10-12, 40, & 60-62 REQUIRE A SCSA BUS RIBBON CABLE WITH LEAD #1 IN TACT, BUT WITH AN OFFSET BETWEEN SLOTS E09 & E10, AND ALSO BETWEEN SLOTS E10 & E11.
3. CONFIGURATION DOES NOT REQUIRE ANY INTERNAL BUS CABLES.
4. VERSION 1 TELCOM SERVER UNITS USE A P5 CPU, STANDARD BACKPLANE, AND STANDARD POWER SUPPLY. FOR VERSION 2, TS UNITS USE A P6 CPU, BACKPLANE, AND POWER SUPPLY ALL WITH CURRENT LIMITING FEATURES.

TABLE 2: SERVICE CIRCUIT CARD DEFINITIONS & CABLE REQUIREMENTS

CARD TYPE	DESCRIPTION	INTER-CABINET CABLE
A51	ASR, VOICE, OR TTS, LUCENT BYC51	NOT REQ'D
ABR	12 PORT BRI, AMTELCO 251A071	CAD 27 OR 28
APT	100MB ETHERNET, ADAPTEC/COGENT, EM100TX-PCI	CAD 10
EC	ECHO CANCELLER, LUCENT AYC53	NOT REQ'D
BFX	8 PORT FAX CKT, BROOKTROUT TR114+18S	NOT REQ'D
SS7	DUAL SS7 CONTROLLER, ADAX	CAD 21A
T1	5 PORT T1, LUCENT AYC52	CAD 25
VT1	VOICE & SINGLE T1 PORT, DIALOGIC D240SC-T1	CAD 26

TABLE 1: TELECOM SERVER SUPPORTED CONFIGURATIONS

SERVICE TYPE	CONFIG NO.	EISA SLOT CARD TYPE														CPU SLOT	PCI SLOT CARD TYPE				SEE NOTE
		E14	E13	E12	E11	E10	E09	E08	E07	E06	E05	E04	E03	E02	E01		PCI0	PCI1	PCI2	PCI3	
UVD	1	-	-	A51	-	A51	-	-	-	-	-	-	-	EC	T1	CPU	APT	APT	-	-	1
	2	-	-	A51	-	A51	-	A51	-	-	-	-	-	EC	T1		APT	APT	-	-	1
	3	-	-	A51	-	A51	-	A51	-	A51	-	-	-	EC	T1		APT	APT	-	-	1
	4	-	-	A51	-	EC	T1		APT	APT	-	-	1								
PROLINK T1-VOICE	10	A51	-	-	-	EC	BFX	-	-	-	ABR	-	-	VT1	VT1	APT	APT	-	-	2	
	11	A51	-	-	-	EC	BFX	-	BRI	ABR	ABR	-	-	VT1	VT1	APT	APT	-	-	2	
	12	A51	-	-	-	EC	BFX	ABR	ABR	ABR	ABR	-	-	VT1	VT1	VT1	APT	APT	-	-	2
RESERVED FOR FUTURE CONFIGURATIONS																					
RESERVED FOR FUTURE CONFIGURATIONS																					
DIST SS7 (MODEL 2 SCP ONLY)	30	-	-	-	-	-	-	-	-	-	-	-	-	-	SS7	APT	APT	-	-	3	
	31	-	-	-	-	-	-	-	-	-	-	-	-	SS7	SS7	APT	APT	-	-	3	
	32	-	-	-	-	-	-	-	-	-	-	SS7	SS7	SS7	SS7	APT	APT	-	-	3	
PRI PRI-VOICE	40	A51	-	-	-	EC	BFX	VT1	APT	APT	-	-	2								
SHORT MSG SERV	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APT	APT	-	-		
RESERVED FOR FUTURE CONFIGURATIONS																					
RESERVED FOR FUTURE CONFIGURATIONS																					
BRI: PRI-VOICE	60	A51	-	-	-	EC	BFX	ABR	ABR	ABR	ABR	-	-	VT1	VT1	VT1	APT	APT	-	-	2
	61	A51	-	-	-	EC	BFX	-	-	ABR	ABR	-	-	VT1	VT1	APT	APT	-	-	2	
	62	A51	-	-	-	EC	BFX	-	-	-	ABR	-	-	VT1	VT1	APT	APT	-	-	2	

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE: C2
ISSUE: 1

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AS 30

RCU CONFIGURATION

NOTES:

1. DESCRIPTION

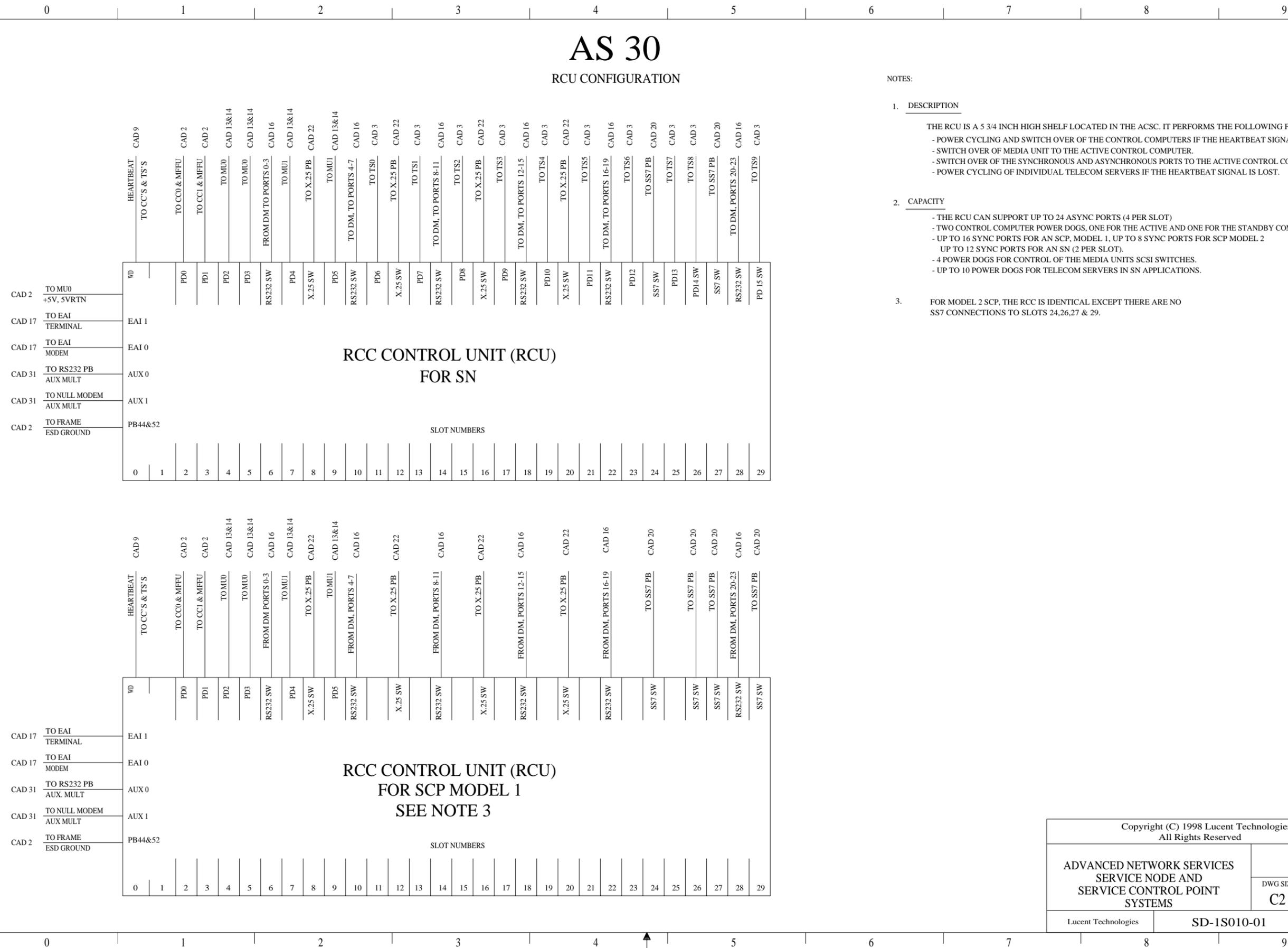
THE RCU IS A 5 3/4 INCH HIGH SHELF LOCATED IN THE ACSC. IT PERFORMS THE FOLLOWING FUNCTIONS.

- POWER CYCLING AND SWITCH OVER OF THE CONTROL COMPUTERS IF THE HEARTBEAT SIGNAL IS LOST.
- SWITCH OVER OF MEDIA UNIT TO THE ACTIVE CONTROL COMPUTER.
- SWITCH OVER OF THE SYNCHRONOUS AND ASYNCHRONOUS PORTS TO THE ACTIVE CONTROL COMPUTER.
- POWER CYCLING OF INDIVIDUAL TELECOM SERVERS IF THE HEARTBEAT SIGNAL IS LOST.

2. CAPACITY

- THE RCU CAN SUPPORT UP TO 24 ASYNC PORTS (4 PER SLOT)
- TWO CONTROL COMPUTER POWER DOGS, ONE FOR THE ACTIVE AND ONE FOR THE STANDBY COMPUTER.
- UP TO 16 SYNC PORTS FOR AN SCP, MODEL 1, UP TO 8 SYNC PORTS FOR SCP MODEL 2
UP TO 12 SYNC PORTS FOR AN SN (2 PER SLOT).
- 4 POWER DOGS FOR CONTROL OF THE MEDIA UNITS SCSI SWITCHES.
- UP TO 10 POWER DOGS FOR TELECOM SERVERS IN SN APPLICATIONS.

3. FOR MODEL 2 SCP, THE RCC IS IDENTICAL EXCEPT THERE ARE NO SS7 CONNECTIONS TO SLOTS 24,26,27 & 29.



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AS 31

COOLING UNIT AND FAN ALARM BOARD CONFIGURATION

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

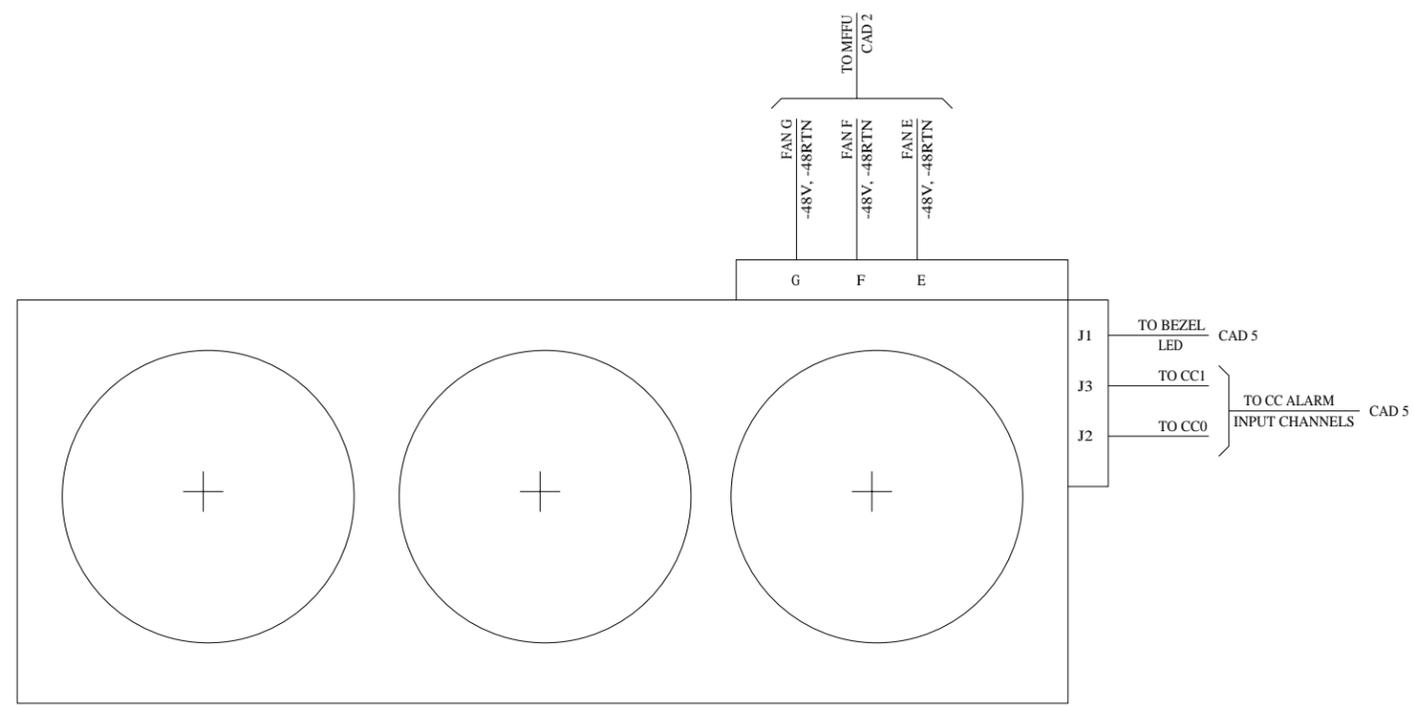
THIS FAN UNIT UNDER MAXIMUM OPERATING CONDITIONS COOLS AT A RATE OF 300 LIN.FT/MIN ROOM AMBIENT.

FUSING REQUIREMENTS

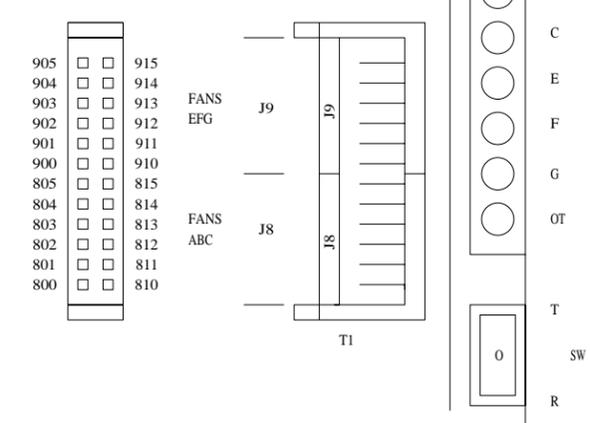
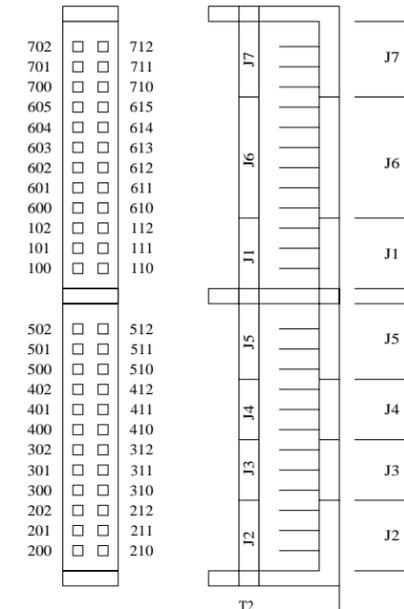
SEE A57

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.



ALARM BOARD TERMINAL ARRANGEMENT



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AS 32

MEDIA UNIT CONFIGURATION

NOTES:

DESCRIPTION

THE MU IS A 7 1/2 INCH HIGH SHELF LOCATED IN THE ACSC.
 THE MU PROVIDES THE SCSI DISKS MU0 IS ALWAYS REQUIRED.
 IT PROVIDES THE FIRST 6 DISK PAIRS AND 5V POWER TO THE
 RCC CONTROL UNIT.
 MU1 IS OPTIONAL AND PROVIDES THE SECOND SET OF 6 DISK PAIRS.

CAPACITY

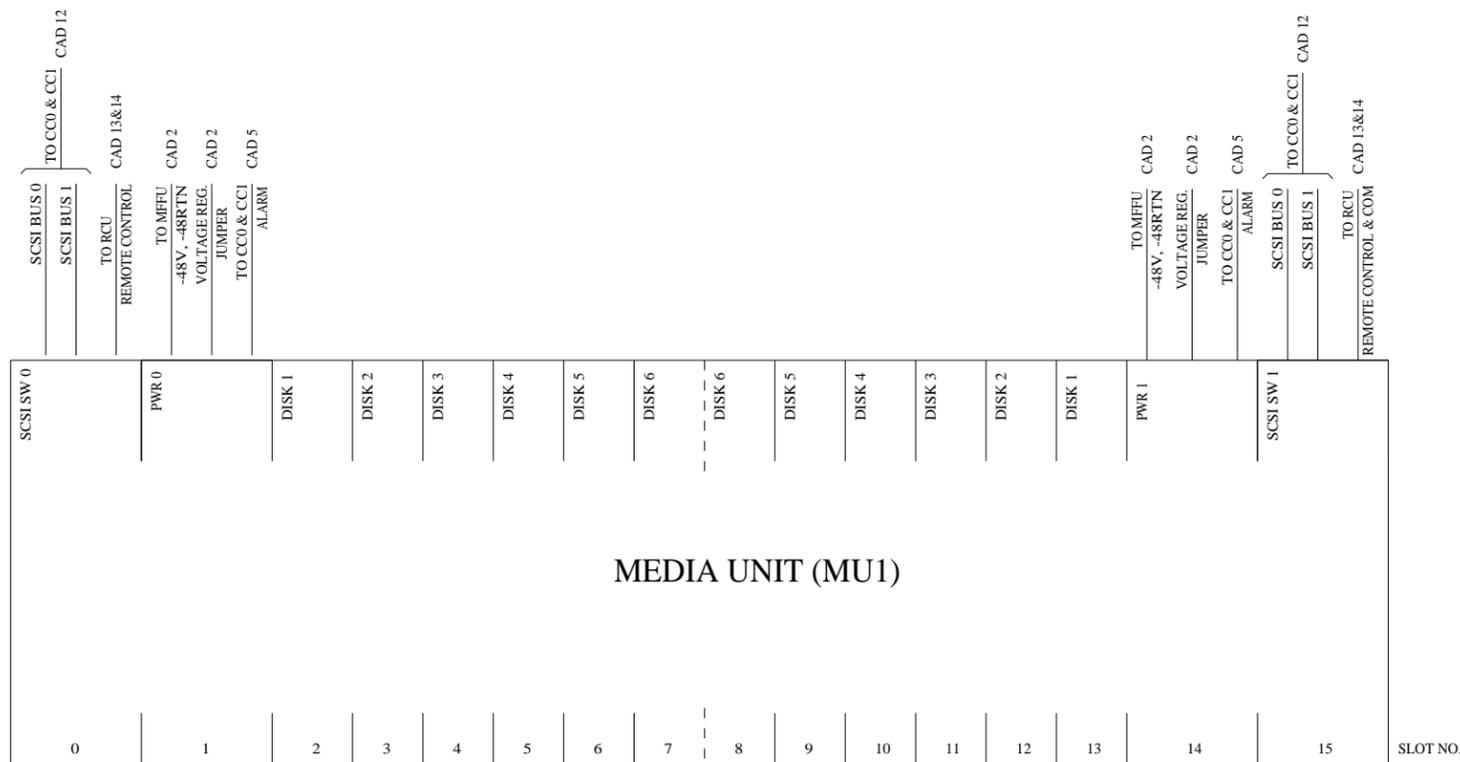
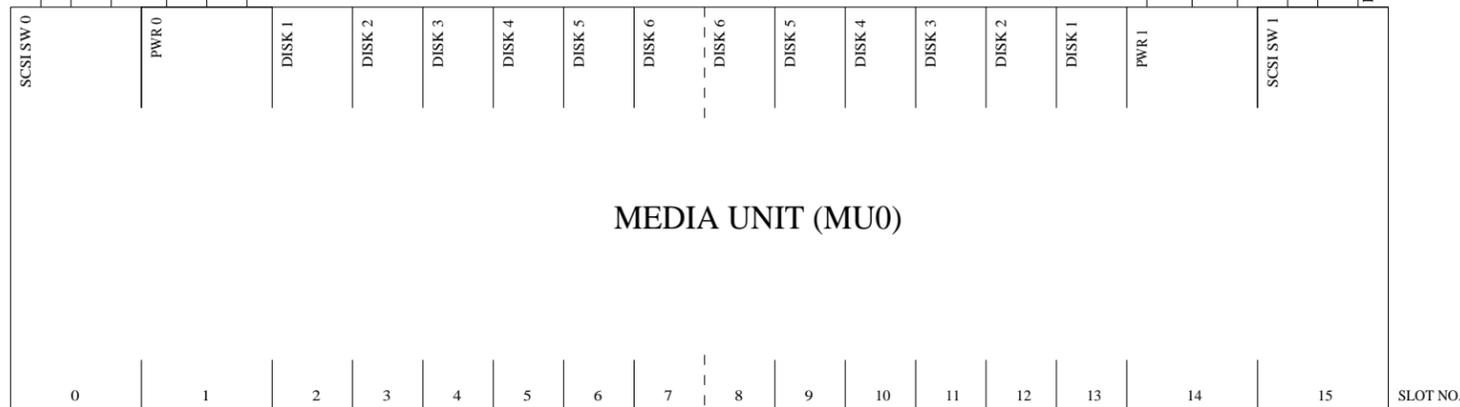
EACH MU PROVIDES 6 PAIRS OF SCSI DISKS.

FUSING REQUIREMENTS

SEE AS 5

SPECIFIC MOUNTING REQUIREMENTS

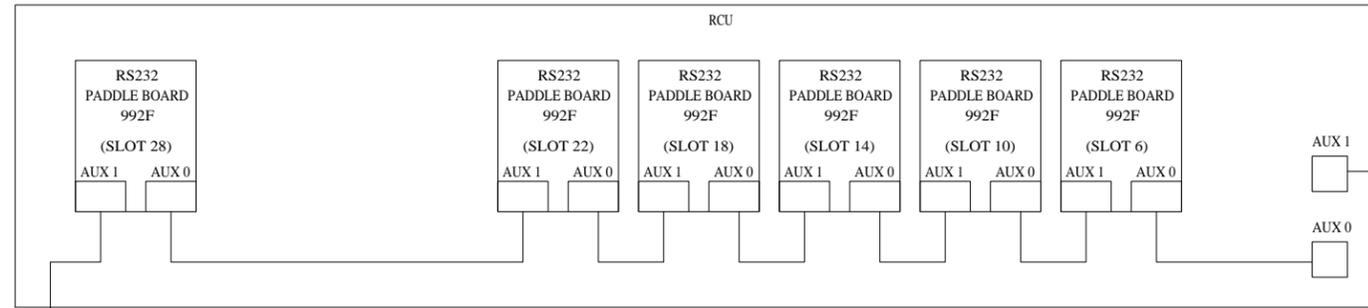
MU0 MOUNTS AT VEQL 48 AND MU1 MOUNTS AT VEQL 55 OF THE ACSC,
 DIRECTLY ABOVE THE FAN COOLING UNIT.



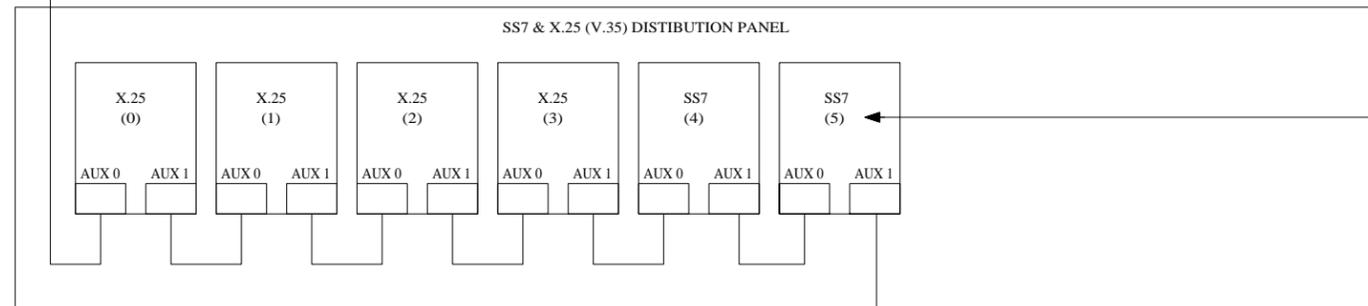
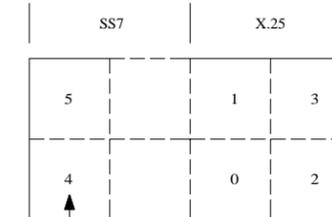
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	C2	1
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AS 33

ACSC AUX MULT - SN



THE SS7 & X.25 PADDLEBOARDS ARE PHYSICALLY ARRANGED AS SHOWN BELOW. VIEWED FROM REAR OF CABINET.



SS7 & X.25 PADDLEBOARD WIRING SEQUENCE NUMBERS

ALL WIRING PER CAD 31

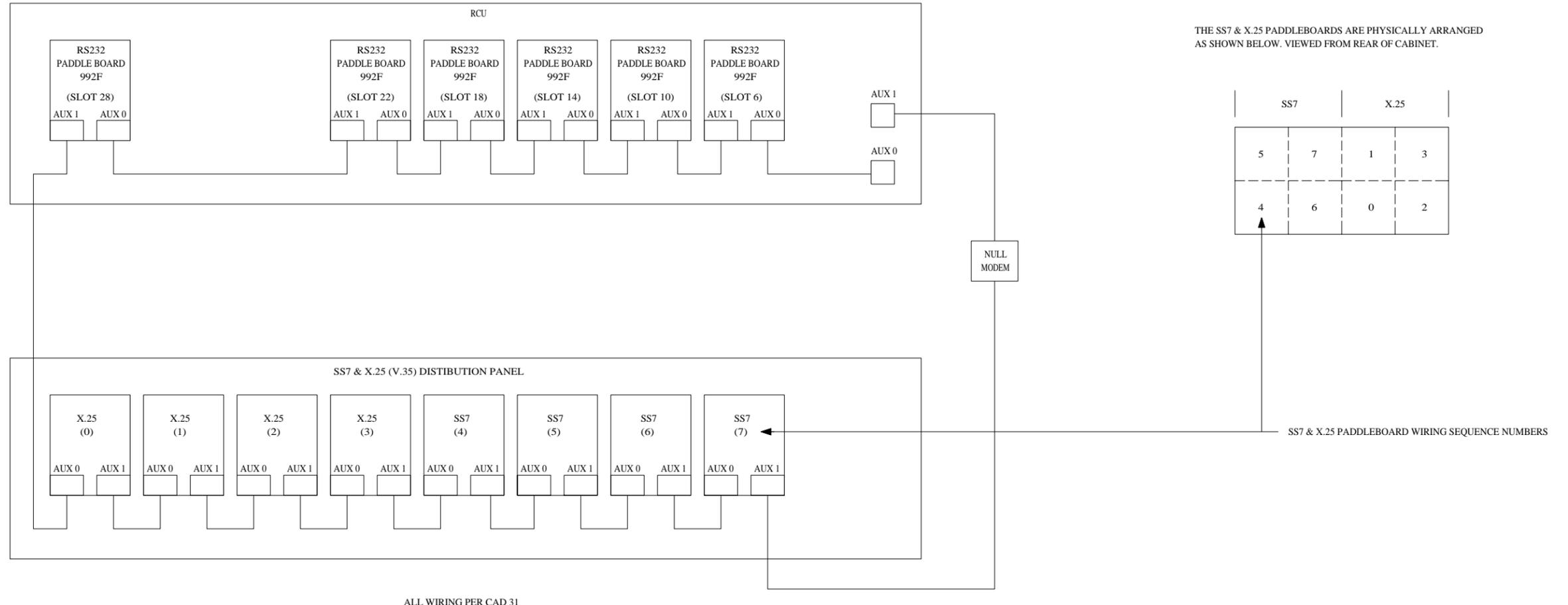
NOTE:

THE MAXIMUM CONFIGURATION IS SHOWN FOR SN FOR OTHER CONFIGURATIONS WHERE THE BOARDS ARE NOT EQUIPPED. BYPASS THAT LOCATION, BUT KEEP REMAINING ITEMS IN SEQUENCE. THERE MUST ALWAYS BE A CONTINUOUS LOOP FORMED BY THE MULT CONNECTIONS AND THE BOARDS THAT ARE EQUIPPED MUST BE MULTED IN THE SEQUENCE SHOWN.

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AS 34

ACSC AUX MULT - SCP MODEL 1



THE SS7 & X.25 PADDLEBOARDS ARE PHYSICALLY ARRANGED AS SHOWN BELOW. VIEWED FROM REAR OF CABINET.

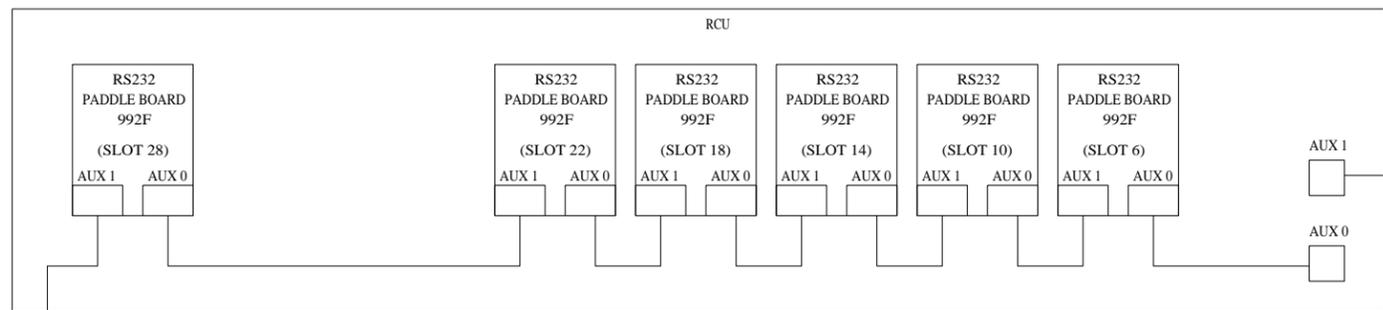
NOTE:

THE MAXIMUM CONFIGURATION IS SHOWN FOR SCP MODEL 1. FOR OTHER CONFIGURATIONS WHERE THE BOARDS ARE NOT EQUIPPED, BYPASS THAT LOCATION, BUT KEEP REMAINING ITEMS IN SEQUENCE. THERE MUST ALWAYS BE A CONTINUOUS LOOP FORMED BY THE MULT CONNECTIONS AND THE BOARDS THAT ARE EQUIPPED MUST BE MULTED IN THE SEQUENCE SHOWN.

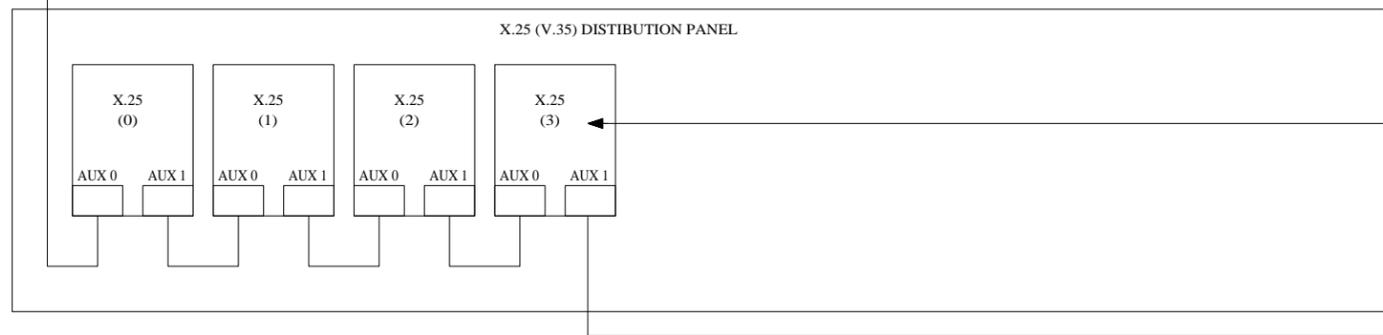
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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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AS 35

ACSC AUX MULT - SCP MODEL 2



THE X.25 PADDLEBOARDS ARE PHYSICALLY ARRANGED AS SHOWN BELOW. VIEWED FROM REAR OF CABINET.



X.25 PADDLEBOARD WIRING SEQUENCE NUMBERS

ALL WIRING PER CAD 31

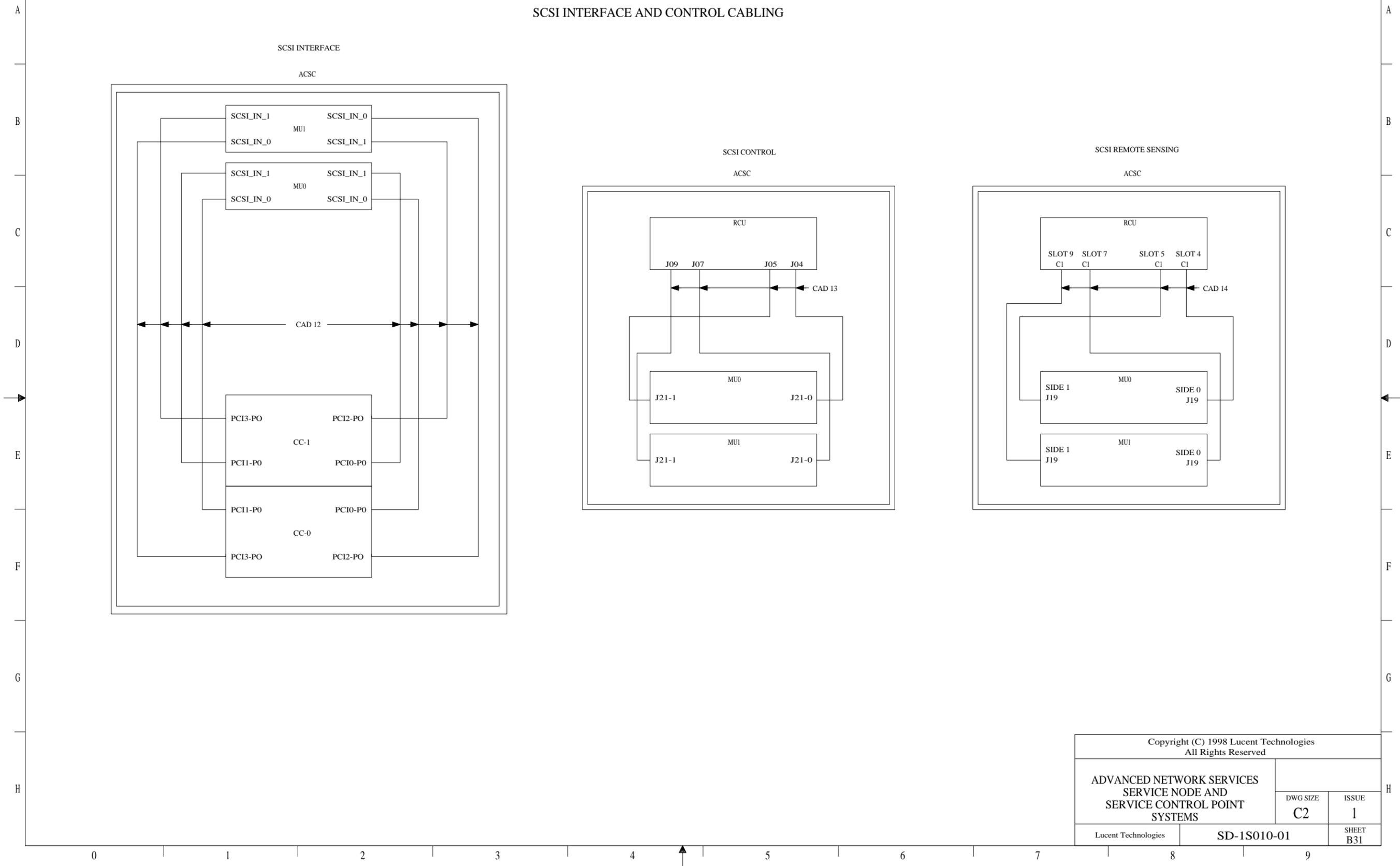
NOTE:

THE MAXIMUM CONFIGURATION IS SHOWN FOR SCP MODEL 2. FOR OTHER CONFIGURATION WHERE THE BOARDS ARE NOT EQUIPPED, BYPASS THAT LOCATION, BUT KEEP REMAINING ITEMS IN SEQUENCE. THERE MUST ALWAYS BE A CONTINUOUS LOOP FORMED BY THE MULT CONNECTIONS AND THE BOARDS THAT ARE EQUIPPED MUST BE MULTED IN THE SEQUENCE SHOWN.

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AS 36

SCSI INTERFACE AND CONTROL CABLING



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	C2	1
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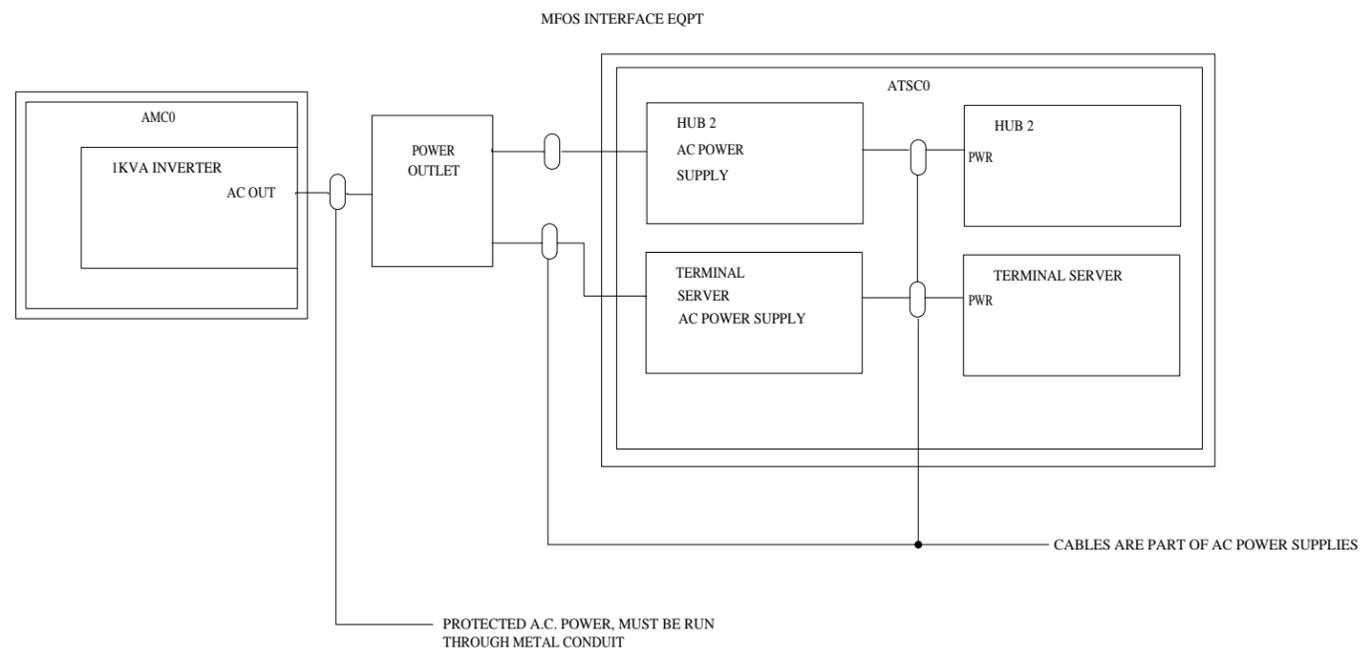
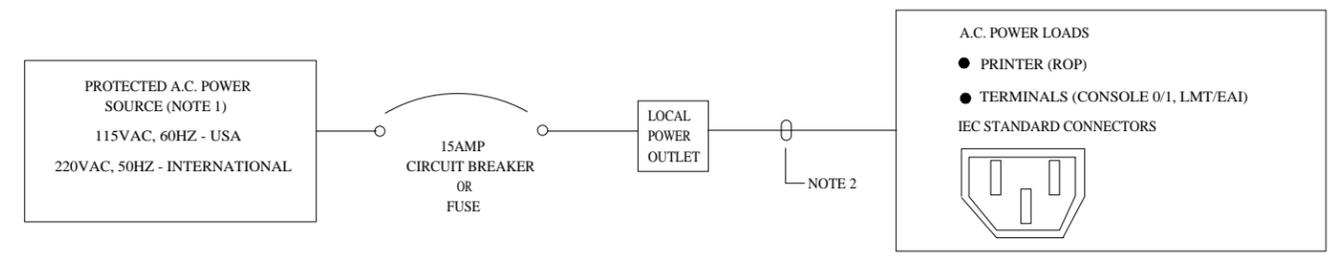
AS 37

RECOMMENDED A.C. POWER CABLING

(HIGH LEVEL ONLY, REFER TO ED1S017-10 FOR MORE INFORMATION)

NOTES:

1. PROTECTED A.C. IS RECOMMENDED FOR RELIABILITY REASONS. IT IS DERIVED BY USING AN INVERTER THAT USE BATTERY INPUT.
2. A COUNTRY SPECIFIC POWER CORD IS TO BE SUPPLIED BY THE LOCAL LUCENT INSTALLATION GROUP. THE POWER CORD MUST MATCH LOCAL A.C. POWER OUTLET AND THE IEC STANDARD CONNECTOR ON THE SYSTEM DEVICE.
3. SOME SYSTEM DEVICES MAY REQUIRE SETTING OF A POWER INPUT CONFIGURATION SWITCH FOR DIFFERENT VOLTAGE LEVELS. REFER TO THE DEVICE MANUAL FOR SPECIFIC INFORMATION BEFORE CONNECTING ANY DEVICE TO THE A.C. POWER.
4. BEFORE CONNECTING ANY DEVICE TO A.C. POWER ENSURE THAT THE VOLTAGE RATING OF THE DEVICE MATCHES THE VOLTAGE LEVEL OF THE A.C. SOURCE.
5. THE 1KVA INVERTER CAN BE SET FOR 115VAC OUTPUT OR 220VAC OUTPUT. WHEN USED FOR MFOS AND STANDARD AC POWER LOADS IT MUST BE SET FOR 115VAC AND ALL EQUIPMENT (INCLUDING PRINTER) MUST BE 115VAC, 60HZ.

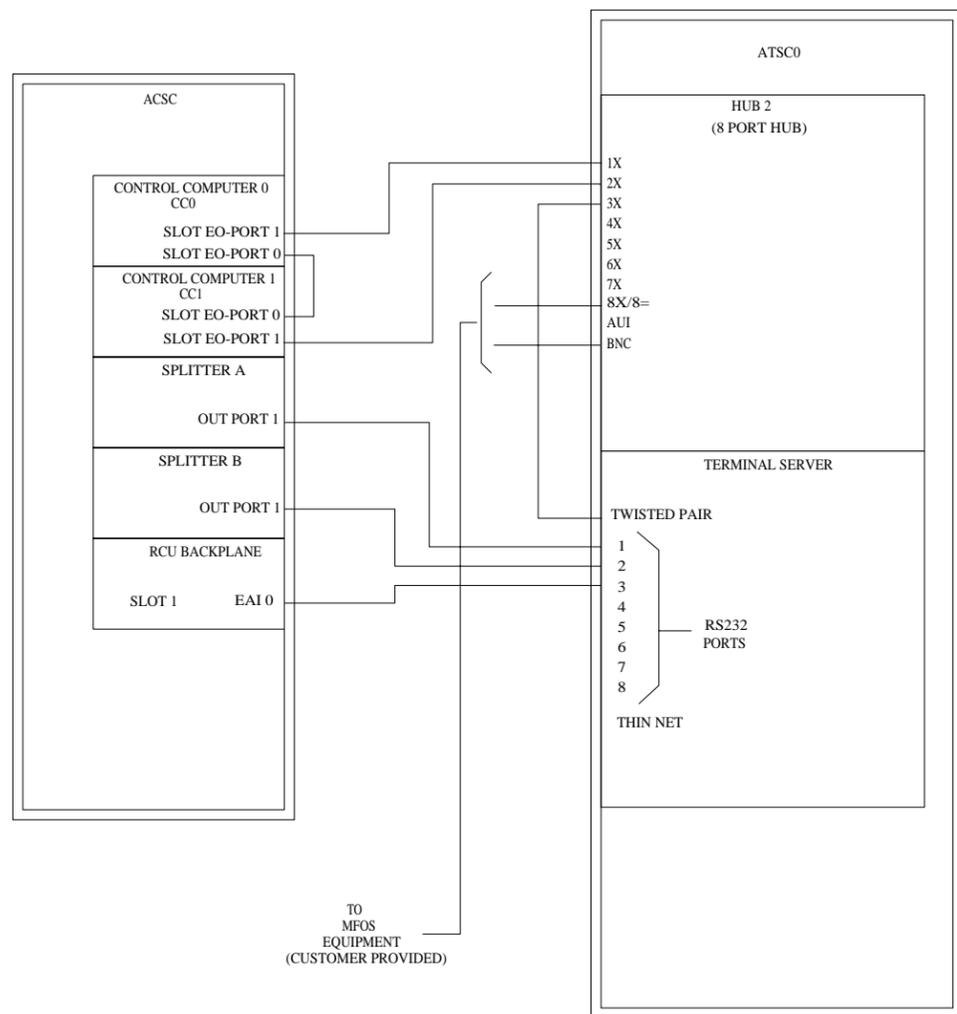


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	C2	1
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MFOS INTERFACE WIRING

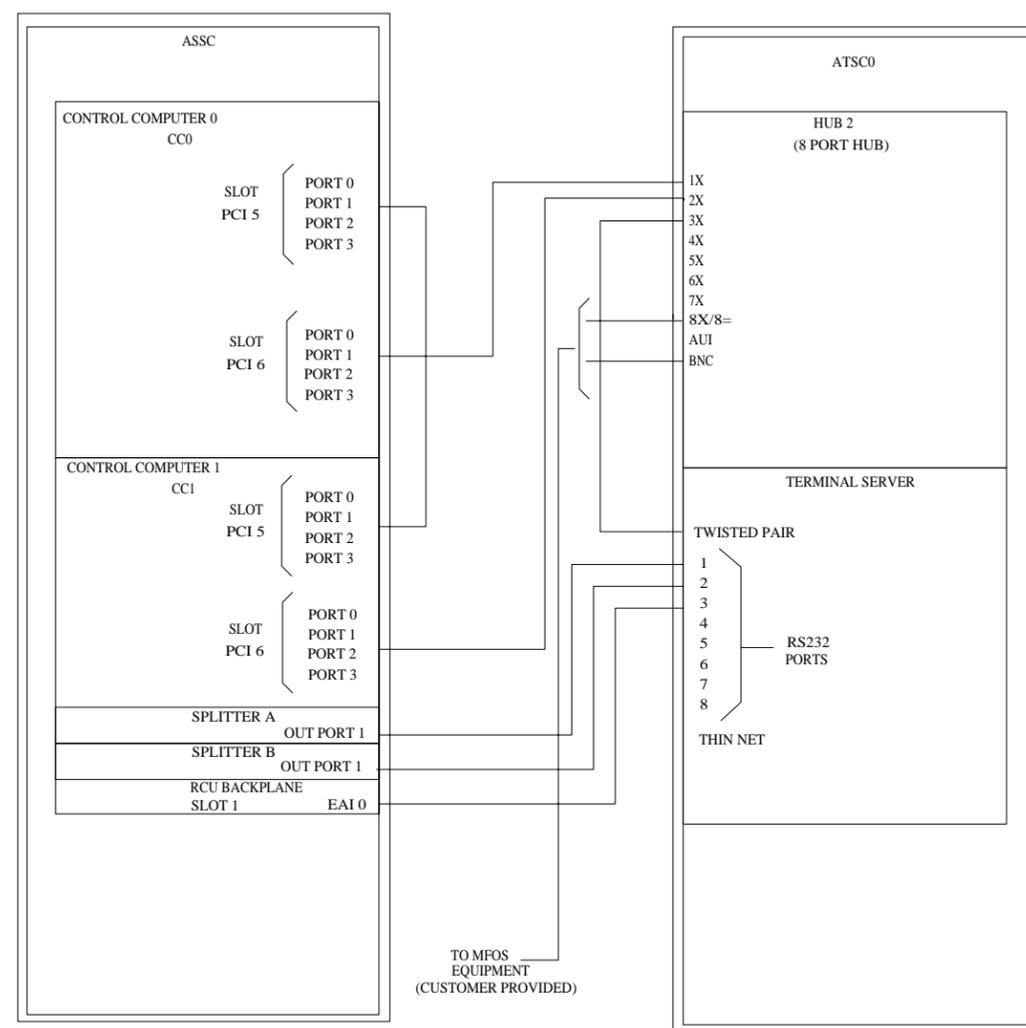
AS 38

SN HARDWARE



AS 39

SCP MODEL 2 HARDWARE



NOTES:

1. SEE CAD FOR MORE INFORMATION.
2. SCP MODEL IS NOT AVAILABLE WITH THE MFOS INTERFACE.

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	C2	1
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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, HUB, NT1
WP91768,L107	2	-48VDC	ARU
WP92458,L13	15	-48VDC	TS
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	
-48VDC		-42.75V TO -52.5V	

EQUIPMENT NOTES:

201. ALL INTER-CABINET CABLING IS COVERED IN ED1S015-61,
ED1S018-61, ED1S019-10, ED1S020-60, ED1S002-22, OR ED1S017-10.

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INFORMATION NOTES:

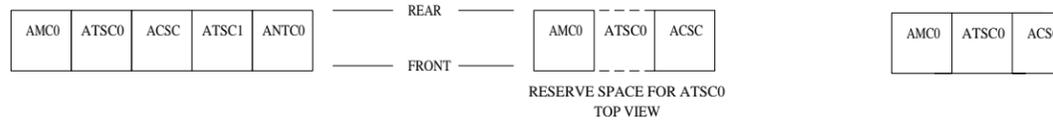
301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.

INFORMATION NOTES: (CONT'D)

304. PHYSICAL LAYOUT RELEASE R7 AND LATER SN.

PHYSICAL LAYOUT MODEL 1, SCP

MODEL 2, SCP



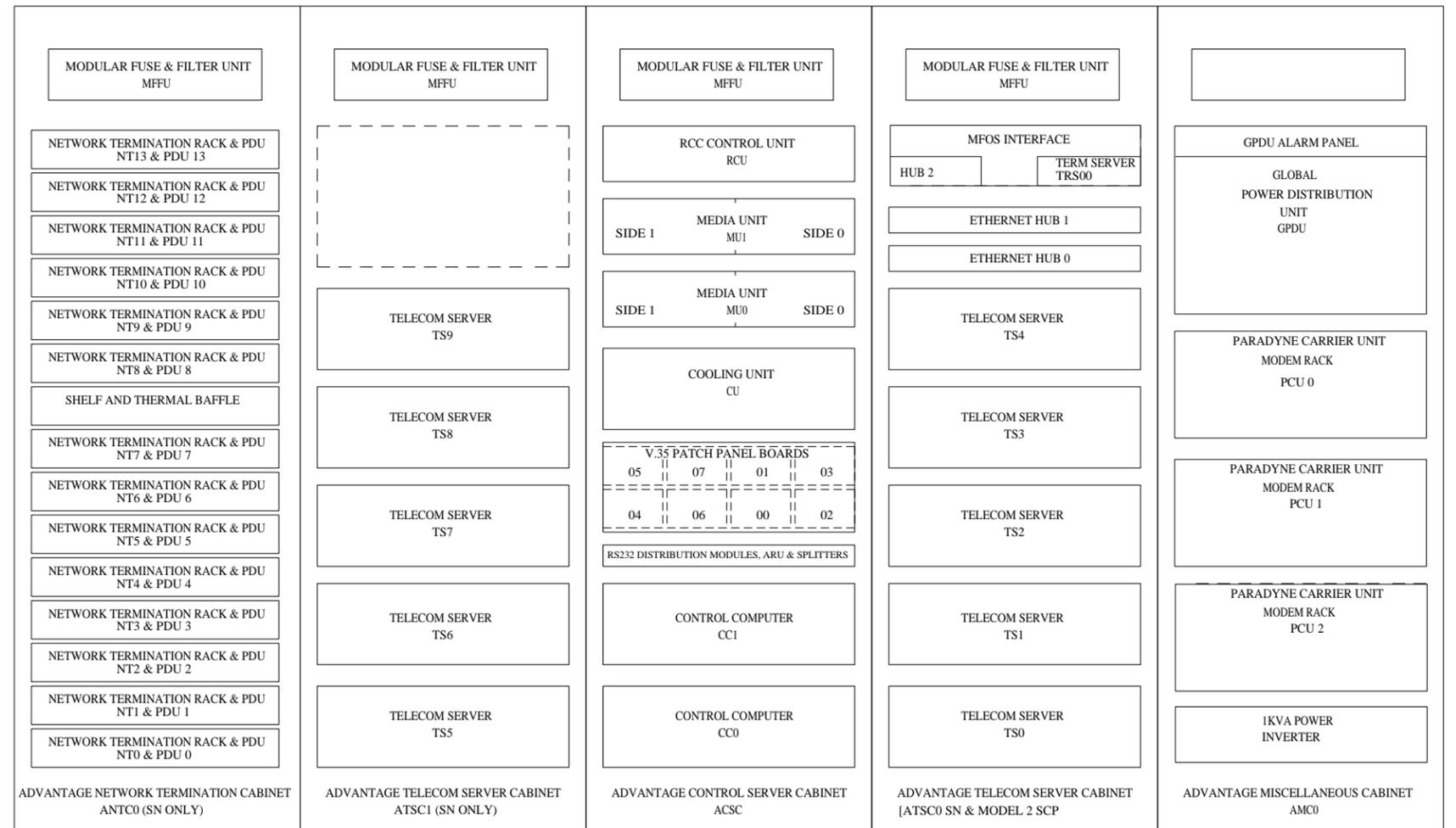
302.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WRG	QUANTITY

EQUIPMENT RELATIVE PHYSICAL LOCATIONS AND RECOMMENDED CABINET POSITIONS - REAR VIEW

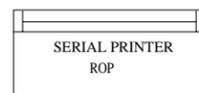
303.

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

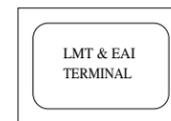


NOTE: THE RS232 DISTRIBUTION MODULES ARE NUMBERED 00, 10, 01, 11 FROM RIGHT TO LEFT, REAR VIEW.

RESERVE SPACE FOR ATSC0 IN SCP APPLICATIONS FOR FUTURE GROWTH.



THE PRINTER MUST BE WITHIN 50 CABLE FEET OF THE RCU



TERMINAL LOCATIONS MUST BE WITHIN THE TOTAL DISTANCE OF 50 FEET ALLOWED FOR RS232 SIGNAL PATH. FOR CONSOLES THE DISTANCE STARTS FROM THE CC. FOR THE LMT AND EAI IT STARTS AT THE RCU.



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INFORMATION NOTES (CONT'D)

305. FLOOR PLAN DATA

1. ADDITIONAL FLOOR SPACE MUST BE PROVIDED FOR PERIPHERAL EQUIPMENT (E.G. PRINTERS AND TERMINALS). (SEE FIGURE A)
2. ALL CABINETS ARE 72 INCHES HIGH.
3. ALL CABINETS SHOULD ALLOW 3 FEET 914MM CLEARANCE IN THE FRONT OF THE CABINET AND 2 FEET 610MM IN THE BACK OF THE CABINET.
4. THE ACSC SHOULD NOT BE SEPARATED FROM THE MISCELLANEOUS CABINET UNLESS ABSOLUTELY NECESSARY. HOWEVER, THE MISC. CABINET CAN BE MOVED A MAXIMUM 20 CABLE FEET, 6MM FROM THE ACSC IF NECESSARY. IF THIS IS DONE, A RACEWAY SHOULD BE PROVIDED TO ALLOW ACSC CABLES BE ROUTED TO THE OVERHEAD CABLE RACK. LONGER CABLES MAY BE REQUIRED.
5. REFERENCE SD5D001-02 FOR MORE DETAILED INFORMATION CONCERNING COLUMNS, CROSS-AISLES, ETC.

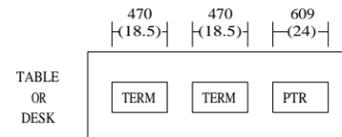
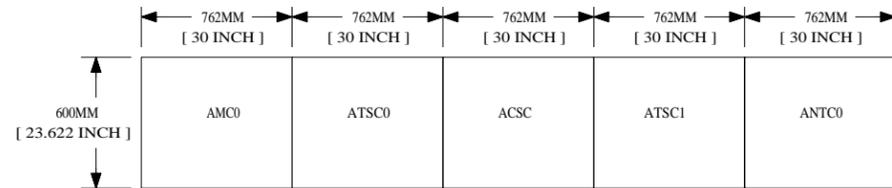


FIGURE A
ADVANTAGE SYSTEMS
RELEASE R7 AND LATER



FRONT
FIGURE B

INFORMATION NOTES (CONT'D)

306. TYPICAL STAMPING FOR DISTRIBUTION FRAME TERMINATIONS.

A. SCANNER (CAD 7), SIGNAL DISTRIBUTOR (CAD 8)
AND PARADYNE CARRIER UNIT (CAD 24), 4 WIRE INTERFACE.

	P	N	P	N	I	C	NO	NC	
01	--	--	--	--	--	--	--	--	K1
05	--	--	--	--	--	--	--	--	
09	--	--	--	--	--	--	--	--	K4
13	--	--	--	--	--	--	--	--	K5
15	--	--	--	--	--	--	--	--	K8
01	--	--	--	--	--	--	--	--	02
PCU0	--	--	--	--	--	--	--	--	PCU0
07	--	--	--	--	--	--	--	--	08
09	--	--	--	--	--	--	--	--	10
15	--	--	--	--	--	--	--	--	16
01	--	--	--	--	--	--	--	--	02
PCU 1	--	--	--	--	--	--	--	--	PCU 1
07	--	--	--	--	--	--	--	--	08
09	--	--	--	--	--	--	--	--	10
15	--	--	--	--	--	--	--	--	15
01	--	--	--	--	--	--	--	--	02
PCU 2	--	--	--	--	--	--	--	--	PCU 2
07	--	--	--	--	--	--	--	--	08
09	--	--	--	--	--	--	--	--	10
15	--	--	--	--	--	--	--	--	16
	T	R	T1	R1	T	R	T1	R1	
	RCV		XMIT		RCV		XMIT		

B. 2 WIRE DIAL NETWORK INTERFACE MODULE CAD PCU 0-2 (T,R, 01-16)

	T	R	T	R	T	R	T	R	
01	--	--	--	--	--	--	--	--	04
PCU 0	--	--	--	--	--	--	--	--	PCU 0
13	--	--	--	--	--	--	--	--	16
01	--	--	--	--	--	--	--	--	04
PCU 1	--	--	--	--	--	--	--	--	PCU 1
13	--	--	--	--	--	--	--	--	16
01	--	--	--	--	--	--	--	--	04
PCU 2	--	--	--	--	--	--	--	--	PCU 2
13	--	--	--	--	--	--	--	--	16

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INFORMATION NOTES (CONT'D)

306. (CONT'D)

C. BRI "T" INTERFACE (4 WIRE) FOR TELECOM SERVER-ABR CAD 27.

	XMT		RCV		XMT		RCV		
	T	R	T	R	T	R	T	R	
01	--	--	--	--	--	--	--	--	02
TSO	--	--	--	--	--	--	--	--	
05	--	--	--	--	--	--	--	--	06
07	--	--	--	--	--	--	--	--	08
ABR 0	--	--	--	--	--	--	--	--	
11	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	02
TSO	--	--	--	--	--	--	--	--	
05	--	--	--	--	--	--	--	--	06
07	--	--	--	--	--	--	--	--	08
ABR 1	--	--	--	--	--	--	--	--	
11	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	02
TSO	--	--	--	--	--	--	--	--	
05	--	--	--	--	--	--	--	--	06
07	--	--	--	--	--	--	--	--	08
ABR 2	--	--	--	--	--	--	--	--	
11	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	02
TSO	--	--	--	--	--	--	--	--	
05	--	--	--	--	--	--	--	--	06
07	--	--	--	--	--	--	--	--	08
ABR 3	--	--	--	--	--	--	--	--	
11	--	--	--	--	--	--	--	--	12

INFORMATION NOTES (CONT'D)

306. (CONT'D)

D. BRI "U" INTERFACE (2 WIRE) FOR NT1 RACKS CAD 29.

	T	R	T	R	T	R	T	R	
	01	--	--	--	--	--	--	--	
NT1-0	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-1	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-2	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-3	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-4	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-5	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-6	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-7	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-8	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12
01	--	--	--	--	--	--	--	--	04
NT1-9	--	--	--	--	--	--	--	--	BRI-U
09	--	--	--	--	--	--	--	--	12

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INFORMATION NOTES (CONT'D)
307. REFERENCE FLOOR PLAN DATA

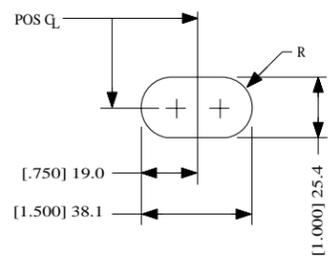
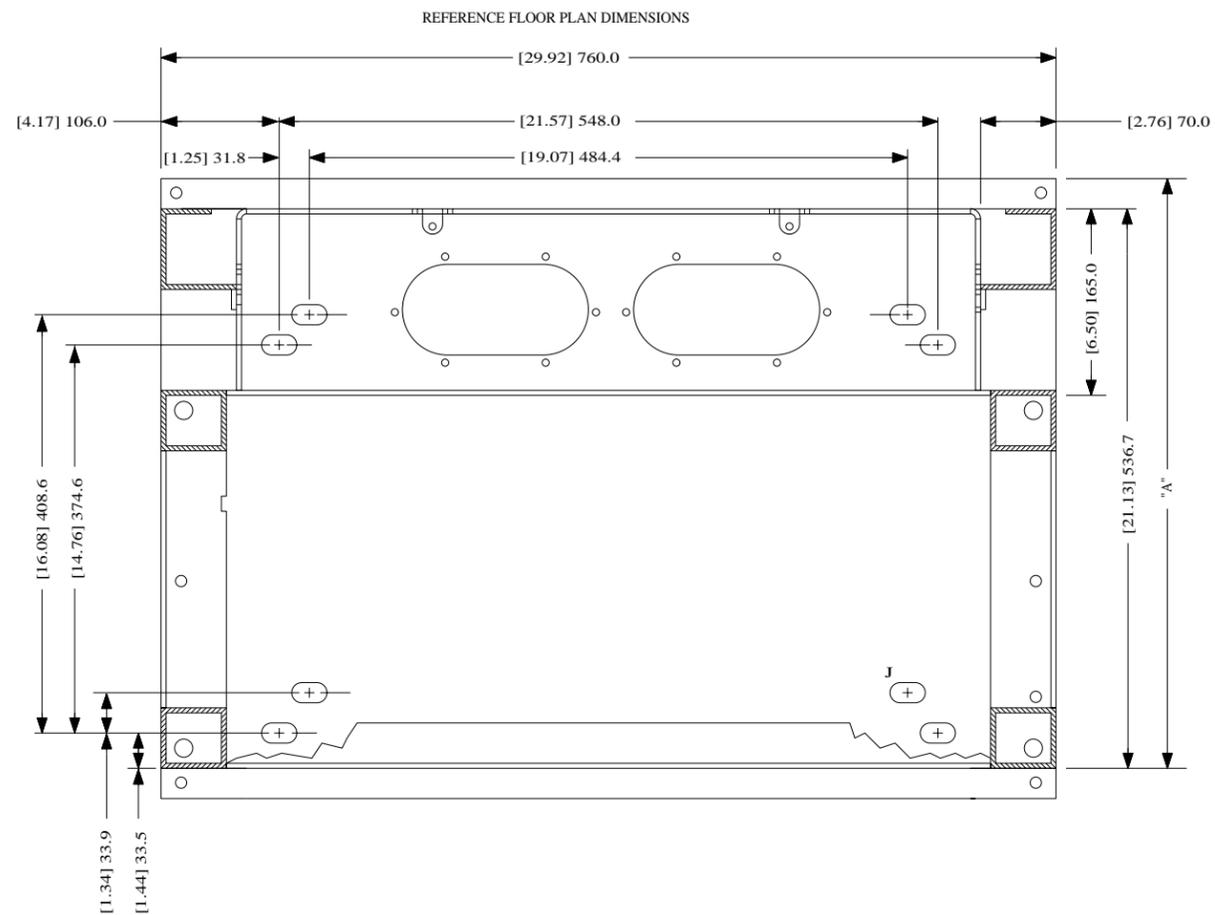
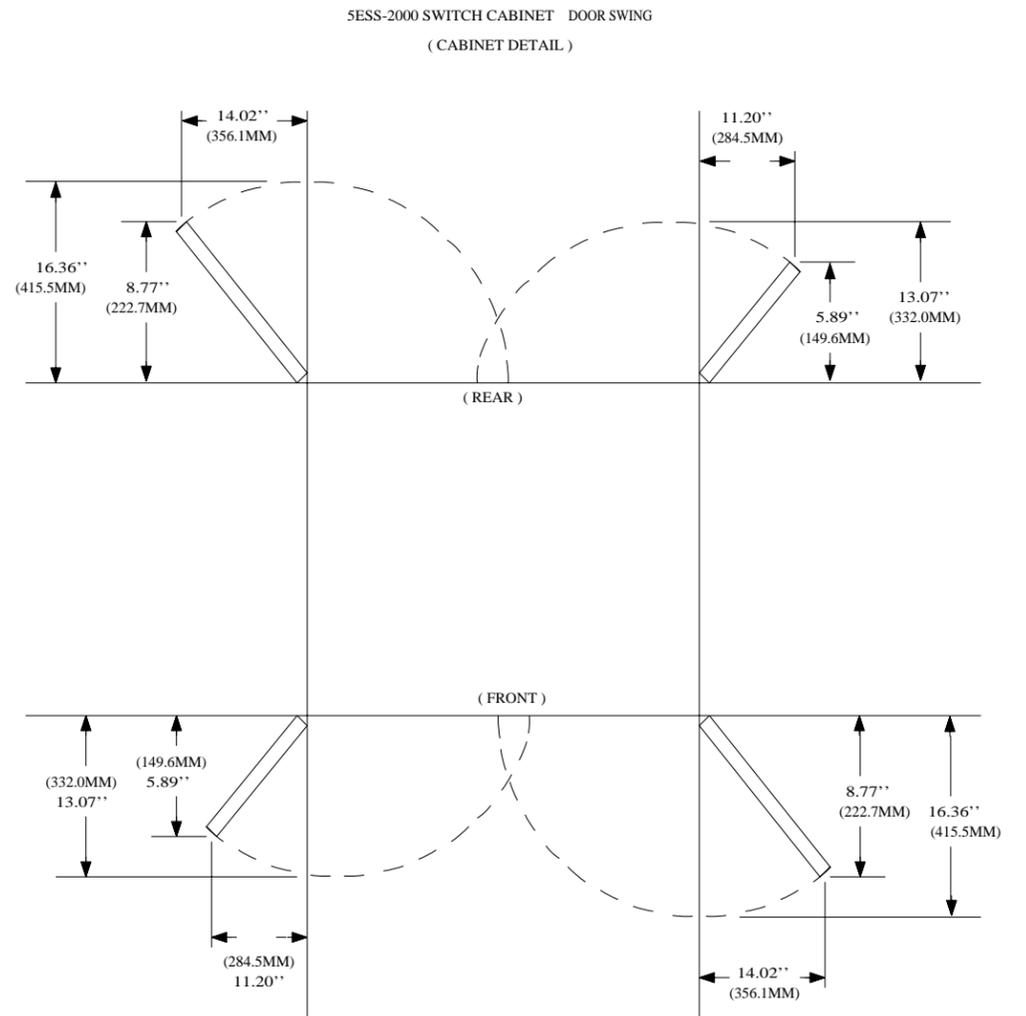


FIG. J

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

INFORMATION NOTES (CONT'D)
308. SWITCH CABINET DOOR SWING



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0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES (CONT'D)

309. 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.
FAILURES OF THAT FEED, SWITCHES POWER TO THE OTHER.
310. THE SCP MODEL 1 RECOMMENDED CONFIGURATION INCLUDES:
- CONTROL SERVER CABINET (ACSC) EQUIPPED WITH OPTIONAL HARDWARE AS NEEDED:
A. 1 OR 2 MEDIA UNITS (MU);
B. 16, 20, OR 24 RS232 ASYNCHRONOUS COMMUNICATION LINKS.
(6 OF THESE ARE ASSIGNED FOR USE BY THE SYSTEM)
C. 4 OR 8 X .25 LINKS;
D. 2, 4, OR 8 SS7 LINKS;
- MISCELLANEOUS CABINET (AMCO) EQUIPPED WITH:
A. POWER DISTRIBUTION UNIT FOR ADVANTAGE SYSTEM POWER DISTRIBUTION;
B. MODEM RACKS AND THE APPROPRIATE NUMBER OF SYNCHRONOUS AND ASYNCHRONOUS MODEMS.
C. OPTIONAL DC TO AC 1KVA INVERTER.
311. THE SN RECOMMENDED CONFIGURATION INCLUDES:
- CONTROL SERVER CABINET (ACSC) EQUIPPED WITH OPTIONAL HARDWARE AS NEEDED:
A. 1 OR 2 MEDIA UNITS (MU);
B. 16, 20, OR 24 RS232 ASYNCHRONOUS COMMUNICATION LINKS.
(16 OF THESE ARE ASSIGNED FOR USE BY THE SYSTEM)
C. 0, 4, OR 8 X .25 LINKS;
D. 0, 2, OR 4 SS7 LINKS.
- MISCELLANEOUS CABINET (AMCO) EQUIPPED WITH OPTIONAL HARDWARE AS NEEDED:
A. POWER DISTRIBUTION UNIT FOR ADVANTAGE SYSTEM POWER DISTRIBUTION;
B. 1 OR 2 MODEM RACKS AND THE APPROPRIATE NUMBER OF SYNCHRONOUS AND ASYNCHRONOUS MODEMS.
C. OPTIONAL DC TO AC 1KVA INVERTER.
- TELECOM SERVER CABINET (ATSCO) EQUIPPED WITH HARDWARE AS NEEDED:
A. 2 12-PORT ETHERNET HUBS (ALWAYS REQUIRED);
B. 1, 2, 3, 4, OR 5 TELECOM SERVERS EACH CONFIGURED WITH CARDS TO PROVIDE A SPECIFIC TYPE OF SERVICE.
A TELECOM SERVER UNIT CAN BE CONFIGURED FOR:
UNIVERSAL VOICE DIALING SERVICE (5 T1 LINKS),
PROLINK SERVICE (T1 VOICE - TYPE IIA)
SHORT MESSAGE SERVICE PRI(PRI VOICE) OR BRI(BRI VOICE)
- TELECOM SERVER CABINET (ATSC1) EQUIPPED WITH HARDWARE AS NEEDED:
A. 1, 2, 3, 4, OR 5 TELECOM SERVERS EACH CONFIGURED WITH VARIOUS CARDS, FOR SERVICE OPTIONS AS IN ATSCO.
- NETWORK TERMINATION CABINET (ANTCO) EQUIPPED WITH HARDWARE AS NEEDED:
A. NETWORK TERMINATION RACKS,
B. AND POWER DISTRIBUTION PANELS.
THESE NT1 RACKS PROVIDE FOR A STANDARD ISDN T-INTERFACE TO THE BRI LINES
IN THE TELECOM SERVERS. THEY ALSO PROVIDE A 2 WIRE U-INTERFACE FOR DISTRIBUTION
TO A REMOTELY LOCATED CO SWITCH.

INFORMATION NOTES (CONT'D)

312. POWER FOR SYSTEM IS DISTRIBUTED VIA THE GPDU IN THE MISCELLANEOUS CABINET
THE POWER FEEDS FROM THE GPDU ARE CONNECTED TO THE MFFU LOCATED IN EACH
SYSTEM CABINET. POWER FOR THE MODEM RACKS IN THE MISCELLANEOUS CABINET IS
WIRED FROM THE GPDU TO THE MODEM RACKS. THESE RACKS ARE INDEPENDENTLY DUAL
POWERED FROM BOTH THE A & B POWER BUSES.
POWER FOR THE TELECOM SERVERS IS PROVIDED BY THE MFFU IN EACH OF THE TELECOM
SERVER CABINETS (ATSCO AND ATSC1), BUT IT IS ROUTED THROUGH THE POWER DOGS
LOCATED IN THE RCU IN THE CONTROL SERVER CABINET (ACSC) TO PROVIDE POWER
CYCLING CONTROL.
313. THE SUPPORTED CONFIGURATIONS FOR THE SCP MODEL 2 INCLUDE:
ADVANTAGE CONTROL SERVER CABINET (ACSC) EQUIPPED WITH HARDWARE AS NEEDED:
A. 1 OR 2 MEDIA UNITS;
B. 16, 20, OR 24 ASYNCHRONOUS COMMUNICATION LINKS, 10 OF THESE ARE USED BY THE SYSTEM;
0, 4, OR 8 X .25;
D. 2 CONTROL COMPUTERS WITH 4 WAS SMP CPUS AND 512MB, 1GB, OR DRAM.
ADVANTAGE TELECOM SERVER CABINET EQUIPPED WITH HARDWARE AS NEEDED:
A. 2 OR 4 TELECOM SERVERS EQUALLY EQUIPPED WITH 2, 4, OR 8 SS7 LINKS;
2 100MB ETHERNET HUBS (ALWAYS REQUIRED);
C. OPTIONAL 10MB ETHERNET INTERFACE FOR MFOS.
ADVANTAGE MISCELLANEOUS CABINET (AMCO) EQUIPPED WITH HARDWARE AS NEEDED:
A. UP TO 3 MODEM RACKS (PCUS) WITH SYNCHRONOUS AND ASYNCHRONOUS MODEMS;
B. GLOBAL POWER DISTRIBUTION UNIT (ALWAYS PROVIDED);
C. OPTIONAL DC TO AC 1KVA POWER INVERTER.
314. ALARMS REPORTED DIRECTLY TO THE CONTROL COMPUTER INPUT CHANNELS IN THE
ACSC CONSIST OF THE FOLLOWING:
- ACSC MFFU FUSE ALARM, CHANNEL 1;
- ACSC MEDIA UNIT 0 POWER ALARM, CHANNEL 2;
- ACSC MEDIA UNIT 1 POWER ALARM, CHANNEL 4;
- ACSC COOLING UNIT FAN ALARM, CHANNEL 3;
- ATSCO AND ANTCO MFFU FUSE ALARM, CHANNEL 5;
- ATSC1 MFFU FUSE ALARM, CHANNEL 6.
AMCO PDU MAJOR AND MINOR FUSE ALARMS AND MODEM RACK MAJOR (POWER)
AND MINOR (FAN) ALARMS, BOTH A & B BUSES & INVERTER MAJOR AND MINOR ALARMS
ARE REPORTED TO THE CONTROL COMPUTER THROUGH THE ARU SCAN INPUTS AT THE
OFFICE DISTRIBUTING FRAME.
315. THE SPLITTERS, RS232 DISTRIBUTION PANELS, ARU, AND ARU POWER SUPPLY ARE
ALL LOCATED ON THE HORIZONTAL SHELF THAT IS MOUNTED ABOVE CCI.
316. THE SS7 & X.25 PADDLEBOARDS ARE MOUNTED ABOVE THE SPLITTER SHELF ON A VERTICAL BRACKET.
317. THE NETWORK TERMINATION CABINET CONTAINS A SHELF ABOVE NT7 FOR THERMAL BAFFLING.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET D6

0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES CONT'D

317. CONTROL COMPUTER CIRCUIT PACK IRQ SETTINGS.
SEE FIG. AS15 FOR MORE INFORMATION REGARDING THE
SLOT LOCATIONS AND CIRCUIT PACK DESIGNATIONS.

SYSTEM	CIRCUIT PACK TYPE	SLOT NO.	IRQ
ANTC0	E-NET (COMPAQ 10MB)	E02	9
	X.25 (ADAX)	E05, E06, E07, E08	5
	SS7 (ADAX)	E09, E10, E11, E12	11
	SCSI HOST ADAPTER (APCON)	PCI0, PCI1 PCI2, PCI3	15
	RS232 (COMTROL)	E04	N/A
SN-R7	E-NET (COMPAQ 10MB)	E01	9
	E-NET (INTEL 100MB)	E02	12
	E-NET (INTEL 100MB)	E03	7
	X.25 (ADAX)	E05, E06, E07, E08	5
	SS7 (ADAX)	E09, E10,	11
	SCSI HOST ADAPTER (APCON)	PCI0, PCI1 PCI2, PCI3	15
	RS232 (COMTROL)	E04	N/A

317. TELECOM SEVER CIRCUIT PACK IRQ SETTINGS.
SEE FIGURE AS16 FOR MORE INFORMATION
REGARDING THE SLOT LOCATIONS AND CIRCUIT
PACK DESIGNATIONS.

SYSTEM	CIRCUIT PACK TYPE	SLOT NO.	IRQ
SN-R7	APT (ADAPTEC/COGENT)	PCI0, PCI1	9
	A51(LUCENT AYCS1 OR BYCS1)	E04, E06, E08,E10,E12	11
	T1 (LUCENT AYCS2)	E01	12
	EC (LUCENT AYCS3)	E02	15
	VT1 (DIALOGIC)	E01,E11,E12	10
	FAX (BROOKTROUT)	E13	12
	BR1 (MITEL)	E06, E07 E08,E09,E10	5
	BR1 (MITEL)	E06, E07	7

319. IRQ SETTINGS RESERVED FOR THE SYSTEM.

SYSTEM FUNCTION/DEVICE	TO	
	SCP/SN-R7 CONTROL COMPUTER UNIT	SN-R7 TELECOM SERVER UNIT
KEYBOARD	1	1
TIED TO IRQ #9	2	2
COM 2	3	3
COM 1	4	4
FLOPPY DISK DRIVE CONTROLLER	6	6
CLOCK	8	8
PARALLEL PORT-LPT	DISABLED	DISABLED
SYSTEM MONITOR	10	10
MATH CO-PROCESSOR	13	13
IDE DISK DRIVE CONTROLLER	14	14

320. CONTROL COMPUTER SYSTEM RESOURCE ASSIGNMENTS-
FOR RELEASE R7

- THE LBE7510 CPU MUST BE SET AS FOLLOWS:
SERIAL PORT MODE SET TO DTE,
COLOR DISPLAY SET TO ON,
KEYBOARD OPTIONS SET TO OFF,
NORMAL MODE SET TO OFF,
BRACKET GROUND JUMPER SET TO ON,
CPU SPEED SET TO 200MHZ,
2.88MB FLOPPY DRIVE SUPPORT SET TO DISABLED
PARALLEL PORT JUMPER SET TO DISABLED-REMOVE
JUMPER E7
SYSTEM MONITOR JUMPER ENABLED TO IRQ10.
- THE AAB1024 ALARM CARD INPUT CHANNELS MUST BE
SET AS FOLLOWS:
E1,E5, & E6 JUMPERS SET TO CURRENT LOOP,
E2,E3,E4,E7, & E8 JUMPERS SET TO SWITCH
CLOSURE.
- THE AAB1024 ALARM CARD OUTPUT CHANNELS MUST BE
SET AS FOLLOWS:
E10, & E11 JUMPERS SET TO NORMALLY CLOSED,
E12 & E13 JUMPERS SET TO NORMALLY OPEN.
- THE AAB1024 ALARM CARD LED SWITCHES MUST BE
SET AS FOLLOWS:
SWITCH 1, LED 1; TO TRIGGER OVERALL ALARM TO REPORT
A FAN FAILURE,
SWITCH 2, LED 2; TO TRIGGER OVERALL ALARM TO REPORT A
POWER BAD CONDITION,
SWITCH 3, LED 3; TO TRIGGER OVERALL ALARM TO REPORT A
MAJOR ALARM,
SWITCH 4, LED 4; TO TRIGGER OVERALL ALARM TO REPORT A
MINOR ALARM,
SWITCH 5, LED 5; TO NOT TRIGGER OVERALL ALARM TO
REPORT ACTIVE,
SWITCH 6, LED 6; TO NOT TRIGGER OVERALL ALARM TO
REPORT OUT OF SERVICE.
- THE COMPAQ ETHERNET CIRCUIT PACK (SLOT E01 IN SN, SLOT E02
IN SCP) SET TO RJ45.

INFORMATION NOTES CONT'D

321. TELECOM SERVER SYSTEM RESOURCE SETTINGS - FOR RELEASE R7

- THE LBE4510 CPU MUST BE SET AS FOLLOWS:
SERIAL PORT MODE SET DTE,
DISPLAY MODE SET TO MONOCHROME,
KEYBOARD OPTIONS SET TO PS/2 OR AT,
NORMAL MODE SET TO SELECTED,
CPU SPPED SET TO 150MHZ,
2.88MB FLOPPY DISK DRIVE SUPPORT SET TO DISABLED,
SYSTEM MONITOR INTERRUPT SET TO DISABLED,
PARALLEL PORT INTERRUPT SET TO DISABLED,
CPU SET TO TAKE PRIORITY ON EISA BUS,
BRACKET GROUND JUMPER SET ON.
- THE AAB1024 ALARM CARD INPUT CHANNELS MUST BE SET
AS FOLLOWS:
E1, E5, & E6 JUMPERS SET TO CURRENT LOOP,
E2, E3, E4, E7, & E8 JUMPERS SET TO SWITCH
CLOSURE.
- THE AAB1024 ALARM CARD OUTPUT CHANNELS MUST BE SET
AS FOLLOWS:
E10 & E11 JUMPERS SET TO NORMALLY CLOSED,
E12 & E13 JUMPERS SET TO NORMALLY OPEN.
- THE AAB1024 ALARM CARD LED SWITCH MUST BE SET AS
FOLLOWS:
SWITCH 1, LED 1; TO TRIGGER OVERALL ALARM TO REPORT A
FAN FAILURE,
SWITCH 2, LED 2; TO TRIGGER OVERALL ALARM TO REPORT A
POWER BAD CONDITION,
SWITCH 3, LED 3; TO TRIGGER OVERALL ALARM TO REPORT A
MAJOR ALARM,
SWITCH 4, LED 4; TO TRIGGER OVERALL ALARM TO REPORT A
MINOR ALARM,
SWITCH 5, LED 5; TO TRIGGER OVERALL ALARM TO
REPORT ACTIVE,
SWITCH 6, LED 6; TO NOT TRIGGER OVERALL ALARM TO
REPORT OUT OF SERVICE.

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE	ISSUE
C2	1

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SHEET
D7

CAD 1

SYSTEM POWER DISTRIBUTION

FROM AMCO CABINET GPDU					TO		
BUS	FUSE BLOCK	FUSE #	AMP	TERM	CABINET	UNIT/EQL	CABLE
A	1	F1	25	F1/A RET	ACSC	MFFU FILTER/68-017	1 (NOTE 1)
		F2	25	F2/A RET		MFFU FILTER/68-032	
		F3	25	F3/A RET		MFFU FILTER/68-063	
		F4	25	F4/A RET		MFFU FILTER/68-078	
	2	F5	25	F5/A RET	ATSCO	MFFU FILTER/68-017	
		F6	25	F6/A RET		MFFU FILTER/68-032	
		F7	25	F7/A RET		MFFU FILTER/68-063	
		F8	25	F8/A RET		MFFU FILTER/68-078	
	3	F9	25	F9/A RET	ATSC1	MFFU FILTER/68-017	
		F10	25	F10/A RET		MFFU FILTER/68-032	
		F11	25	F11/A RET		MFFU FILTER/68-063	
		F12	25	F12/A RET		MFFU FILTER/68-078	
	4	F13	25	F13/A RET	ANTCO	MFFU FILTER/68-017	
		F14	25	F14/A RET		MFFU FILTER/68-032	
		F15	25	F15/A RET		MFFU FILTER/68-063	
		F16	25	F16/A RET		MFFU FILTER/68-078	
5							
6				AMCO		3	
	F21				PCU 2/17-P1		
	F22	25	F22/A RET		PCU 1/24-P1		
	F23	25	F23/A RET		PCU 0/41-P1		

FROM AMCO CABINET GPDU					TO		
BUS	FUSE BLOCK	FUSE #	AMP	TERM	CABINET	UNIT/EQL	CABLE
B	7	F1	25	F1/B RET	ACSC	MFFU FILTER/68-108	2 (NOTE 1)
		F2	25	F2/B RET		MFFU FILTER/68-123	
		F3	25	F3/B RET		MFFU FILTER/68-154	
		F4					
	8	F5	25	F5/B RET	ATSCO	MFFU FILTER/68-108	
		F6	25	F6/B RET		MFFU FILTER/68-123	
		F7	25	F7/B RET		MFFU FILTER/68-154	
		F8					
	9	F9	25	F9/B RET	ATSC1	MFFU FILTER/68-108	
		F10	25	F10/B RET		MFFU FILTER/68-123	
		F11	25	F11/B RET		MFFU FILTER/68-154	
	10				ANTCO		
		F13	25	F13/B RET		MFFU FILTER/68-108	
		F14	25	F14/B RET		MFFU FILTER/68-123	
		F15	25	F15/B RET		MFFU FILTER/68-154	
	11						
12				AMCO		3	
	F21				PCU 2/17-P5		
	F22	25	F22/B RET		PCU 1/24-P5		
	F23	25	F23/B RET		PCU 0/41-P5		

1 = ED5A079-30, G40
 2 = ED5A079-30, G42
 3 = COMCODE 847 823 481

NOTES:

- FOR EMC COMPLIANCE, CONNECT EACH POWER FEED CABLE TO AN IN-LINE FILTER. THEN CONNECT THE IN-LINE POWER FILTER CONNECTOR TO THE MFFU POWER FEED INPUT.
- THE IN-LINE POWER FILTER IS MOUNTED TO THE CABINET TOP FROM THE TOP SIDE, USING ITS OWN LOCKING TABS AND ONE MOUNTING SCREW. COMCODE FOR THE IN-LINE FILTER IS #107424897.
- THE 25 AMP FUSE IS COMCODE #407132257.
- THE DC TO AC POWER INVERTER DOES NOT CABLE TO THE GPDU. IT CONNECTS DIRECTLY TO THE MAIN POWER PANEL FOR ITS DC POWER.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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CAD 2

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

SIDE	FROM		TO	
	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)
	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)
			MU1	
			MU1	
	MU1	055-PS1-J18-1	MU1	055-PS1-J18-5
	MU1	055-PS1-J18-2	MU1	055-PS1-J18-3

NOTES:
1. REFER TO ED1S015-61 FOR ORDERING INFORMATION.

CAD 3

ATSC0 & 1 CABINET POWER

CABINET	FROM		TO	
	UNIT/EQL	TERM	UNIT/EQL	TERM
ATSC0	MFFU/069-014	A	ACSC	RCU SLOT/063-SLOT 11
ACSC	RCU/063-SLOT 11	PB34(OUT)	ATSC0	TS0/011
ATSC0	MFFU/069-014	A RTN	ATSC0	TS0/011
ATSC0	MFFU/069-118	A	ACSC	RCU SLOT/063-SLOT 13
ACSC	RCU/063-SLOT 13	PB33(OUT)	ATSC0	TS1/020
ATSC0	MFFU/069-118	A RTN	ATSC0	TS1/020
ATSC0	MFFU/069-023	A	ACSC	RCU SLOT/063-SLOT 15
ACSC	RCU/063-SLOT 15	PB32(OUT)	ATSC0	TS2/029
ATSC0	MFFU/069-023	A RTN	ATSC0	TS2/029
ATSC0	MFFU/069-127	A	ACSC	RCU SLOT/063-SLOT 17
ACSC	RCU/063-SLOT 17	PB31(OUT)	ATSC0	TS3/038
ATSC0	MFFU/069-127	A RTN	ATSC0	TS3/038
ATSC0	MFFU/069-032	A	ACSC	RCU SLOT/063-SLOT 19
ACSC	RCU/063-SLOT 19	PB30(OUT)	ATSC0	TS4/047
ATSC0	MFFU/069-032	A RTN	ATSC0	TS4/047
ATSC0	MFFU/069-041	A	ATSC0	HUB 0/053
ATSC0	MFFU/069-041	A RTN	ATSC0	HUB 0/053
ATSC0	MFFU/069-141	A	ATSC0	HUB 1/056
ATSC0	MFFU/069-141	A RTN	ATSC0	HUB 1/056
ATSC1	MFFU/069-014	A	ACSC	RCU SLOT/063-SLOT 21
ACSC	RCU/063-SLOT 21	PB29(OUT)	ATSC1	TS5/011
ATSC1	MFFU/069-014	A RTN	ATSC1	TS5/011
ATSC1	MFFU/069-118	A	ACSC	RCU SLOT/063-SLOT 23
ACSC	RCU/063-SLOT 23	PB28(OUT)	ATSC1	TS6/020
ATSC1	MFFU/069-118	A RTN	ATSC1	TS6/020
ATSC1	MFFU/069-023	A	ACSC	RCU SLOT/063-SLOT 25
ACSC	RCU/063-SLOT 25	PB27(OUT)	ATSC1	TS7/029
ATSC1	MFFU/069-023	A RTN	ATSC1	TS7/029
ATSC1	MFFU/069-127	A	ACSC	RCU SLOT/063-SLOT 27
ACSC	RCU/063-SLOT 27	PB51(OUT)	ATSC1	TS8/038
ATSC1	MFFU/069-127	A RTN	ATSC1	TS8/038
ATSC1	MFFU/069-032	A	ACSC	RCU SLOT/063-SLOT 29
ACSC	RCU/063-SLOT 29	PB50(OUT)	ATSC1	TS9/047
ATSC1	MFFU/069-032	A RTN	ATSC1	TS9/047

REFER TO ED1S018-61 FOR ORDERING INFORMATION.

CAD 4

ANTC0 CABINET POWER

POWER BUS	FROM		TO		CABLE TYPE	
	UNIT	VEQL-HEQL-FUSE OR TERMINAL	UNIT	VEQL/TERMINAL		
A	MFFU	068-014-A	PDU0	008-BATT	1	
		068-014-B	PDU1	012-BATT		
		068-023-A	PDU2	016-BATT		
		068-023-B	PDU3	020-BATT		
		068-118-A	PDU4	024-BATT		
		068-118-B	PDU5	028-BATT		
B		068-127-A	PDU6	032-BATT	2	
		068-127-B	PDU7	036-BATT		
		068-032-A	PDU8	044-BATT		
A		068-032-B	PDU9	048-BATT	3	
		068-041-A	PDU10	052-BATT		
		068-141-A	PDU11	056-BATT		
		068-141-B	PDU12	060-BATT		
B		068-150-A	PDU13	064-BATT	3	
		PDU0	008/CABLE CONN	NT0		008-POWER
		PDU1	012/CABLE CONN	NT1		012-POWER
A		PDU2	016/CABLE CONN	NT2	016-POWER	
		PDU3	020/CABLE CONN	NT3	020-POWER	
		PDU4	024/CABLE CONN	NT4	024-POWER	
B		PDU5	028/CABLE CONN	NT5	028-POWER	
		PDU6	032/CABLE CONN	NT6	032-POWER	
		PDU7	036/CABLE CONN	NT7	036-POWER	
A		PDU8	044/CABLE CONN	NT8	044-POWER	
		PDU9	048/CABLE CONN	NT9	048-POWER	
		PDU10	052/CABLE CONN	NT10	052-POWER	
B		PDU11	056/CABLE CONN	NT11	056-POWER	
		PDU12	060/CABLE CONN	NT12	060-POWER	
		PDU13	064/CABLE CONN	NT13	064-POWER	

NOTES:
1. REFER TO ED1S020-60 FOR ORDERING INFORMATION.
2. CABLE TYPE NUMBER
1 407 664 291
2 407 664 309
3 CABLE IS PART OF MODEL 1146B2 PDU, (PDU COMCODE IS 847 798 717)

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS		DWG SIZE C2
Lucent Technologies	SD-1S010-01	ISSUE 1 SHEET G2

CAD 5

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	

REFER TO ED1S015-61 FOR ORDERING INFORMATION.

CAD 6

ATSC ALARMS

FROM			TO		
CABINET	UNIT/EQL	TERM	CABINET	UNIT/EQL	TERM
ATSC0	MFFU/069-098	117	ATSC0	17.8K RES 1	1
ATSC0	MFFU/069-098	112	ATSC0	17.8K RES 2	1
ATSC0	17.8K RES 1	2	ATSC0	17.8K RES 2	2
ATSC0	17.8K RES 2	2	ACSC	CC1/020-SIG IN	CH5(+)
ATSC0	MFFU/069-098	106	ATSC0	MFFU/069-098	104
ATSC0	MFFU/069-098	103	ACSC	CC1/020-SIG IN	CH5(-)
ACSC	CC1/020-SIG IN	CH5(+)	ACSC	CC0/011-SIG IN	CH5(+)
ACSC	CC1/020-SIG IN	CH5(-)	ACSC	CC0/011-SIG IN	CH5(-)
ATSC0	MFFU/069-098	000	ATSC0	FRONT IND STRIP	1
ATSC0	MFFU/069-098	001	ATSC0	FRONT IND STRIP	2
ATSC1	MFFU/069-098	117	ATSC1	17.8K RES 1	1
ATSC1	MFFU/069-098	112	ATSC1	17.8K RES 2	1
ATSC1	17.8K RES 1	2	ATSC1	17.8K RES 2	2
ATSC1	17.8K RES 2	2	ACSC	CC1/020-SIG IN	CH6(+)
ATSC1	MFFU/069-098	106	ATSC0	MFFU/069-098	104
ATSC1	MFFU/069-098	103	ACSC	CC1/020-SIG IN	CH6(-)
ACSC	CC1/020-SIG IN	CH6(+)	ACSC	CC0/011-SIG IN	CH6(+)
ACSC	CC1/020-SIG IN	CH6(-)	ACSC	CC0/011-SIG IN	CH6(-)
ATSC1	MFFU/069-098	000	ATSC0	FRONT IND STRIP	1
ATSC1	MFFU/069-098	001	ATSC0	FRONT IND STRIP	2
ANTC0	MFFU/069-098	106	ATSC0	MFFU/069-098	007

NOTE: REFER TO ED1S018-61 AND/OR ED1S020-60 FOR CABLE ORDERING INFORMATION.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET G3

CAD 7

ARU SCANNER INPUT CABLING & MISCELLANEOUS
CABINET ALARM CABLING
SEE NOTE 306

USE	FROM ACSC CABINET NOTE 1				TO DF	FROM DF	TO AMCO CABINET NOTES 2 & 3			FUNCTION
	EQPT	CKT	PIN	WIRE COLOR			WIRE COLOR	EQPT	VEQL-PORT-PIN	
ALARM	ARU J5	01P	01	W-B1			W-BL	064-P7-100	MAJ	
		01N	20	B1-W			BL-W	064-P7-000	MAJ RTN	
		02P	02	W-O			W-O	064-P7-101	MIN	
		02N	21	O-W			O-W	064-P7-001	MIN RTN	
		03P	03	W-G			BL-W	041-P2-1	MJA0(PWR)	
		03N	22	G-W			W-BL	041-P2-2	MJA0 RTN	
		04P	04	W-BR			O-W	041-P2-4	MNA0(FAN)	
		04N	23	BR-W			W-O	041-P2-5	MNA0 RTN	
		05P	05	W-S			G-W	041-P4-1	MJB0(PWR)	
		05N	24	S-W			W-G	041-P4-2	MJB0 RTN	
		06P	06	R-BL			BR-W	041-P4-4	MNB0 (FAN)	
		06N	25	BL-R			W-BR	041-P4-5	MNB0 RTN	
		07P	07	R-O			BL-W	029-P2-1	MJA1 (PWR)	
		07N	26	O-R			W-BL	029-P2-2	MJA1 RTN	
		08P	08	R-G			O-W	029-P2-4	MNA1 (FAN)	
		08N	27	G-R			W-O	029-P2-5	MNA1 RTN	
		09P	09	R-BR			G-W	029-P4-1	MJB1 (PWR)	
		09N	28	BR-R			W-G	029-P4-2	MJB1 RTN	
		10P	10	R-S			BR-W	029-P4-4	MNB1 (FAN)	
		10N	29	S-R			W-BR	029-P4-5	MNB1 RTN	
		11P	11	BK-BL			BL-W	017-P2-1	MJA2(PWR)	
		11N	30	BL-BK			W-BL	017-P2-2	MJA2(RTN)	
		12P	12	BK-O			O-W	017-P2-4	MNA2(FAN)	
		12N	31	O-BK			W-O	017-P2-5	MNA2(RTN)	
		13P	13	BK-G			G-W	017-P4-1	MJB2(PWR)	
		13N	32	G-BK			W-G	017-P4-2	MJB2(RTN)	
		14P	14	BK-BR			BR-W	017-P4-4	MNB2(FAN)	
		14N	33	BR-BK			W-BR	017-P4-5	MNB2(RTN)	
		15P	15	BK-S			W-BL	008-TB2-6	MJ1NV +	
		15N	34	S-BK			BL-W	008-TB2-5	MJ1NV -	
		16P	16	Y-BL			W-BL	008-TB2-12	MN1NV +	
		16N	35	BL-Y			BL-W	008-TB2-11	MN1NV -	

NOTES:

- REFER TO ED1S015-61, G100 FOR SCAN ALARM CABLES ORDERING INFORMATION.
- WIRING TO THE MODEM RACKS IS CONNECTORIZED AT THE MODEM RACK END. SEE ED1S019-10, G20B.
- WIRING TO THE ALARM PANEL, IS CONNECTORIZED AT THE ALARM PANEL END. SEE ED1S019-10, G10. WIRING TO THE INVERTER IS NOT CONNECTORIZED. SEE ED1S019-10, G50.

CAD 8

ARU TO AND FROM OFFICE DISTRIBUTING FRAME CABLES
SIGNAL DISTRIBUTOR
(SEE NOTE 306)

USE	ARU	FROM A MC(0) CABLE*				TO DF	FROM DF	TO	
		REL	TERM	PIN	COLOR			EQPT	CONN
ALARM	J2	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					

* SEE ED1S015-61, G100

CAD 7A

OPTIONAL AC ALARM
WIRING ON INVERTER

INVERTER TB 2		
FROM PIN	COLOR	TO PIN
6	W-BL	3
5	BL-W	2

NOTE: THIS OPTIONAL WIRING IS USED ONLY
WHEN COMMERCIAL AC POWER IS PROVIDED
TO THE INVERTER AS THE PRIMARY POWER SOURCE.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET G4

CAD 9

HEARTBEAT CABLING

FROM ACSC CABINET		TO		
UNIT	VEQL-HEQL-PORT	CABINET	UNIT/VEQL	VEQL-PORT
RCU BACKPLANE	063-002-J2	ACSC	CC0/011	COM 2 (SIDE A)
	063-003-J3		CC1/020	
	063-011-J11	ATSC0	TS0/011	
	063-013-J13		TS1/020	
	063-015-J15		TS2/029	
	063-017-J17		TS3/038	
	063-019-J19	ATSC1	TS4/047	
	063-021-J21		TS5/011	
	063-023-J23		TS6/020	
	063-025-J25		TS7/029	
	063-027-J27		TS8/038	
	063-029-J29		TS9/047	

NOTE: FOR ORDERING INFORMATION REFER TO ED1S015-61 & ED1S018-61, ALSO SEE FIGURES AS 13, AS 14, AS 15

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET G5

CAD 10

100MB ETHERNET CABLES
(REF. FIG. AS 10)

FROM			TO		
CABINET	UNIT/VEQL	PORT OR SLOT	CABINET	UNIT/VEQL	PORT OR SLOT
ATSC0	HUB0/053	01	ACSC	CC0/011	E02
		02	ACSC	CC1/020	E02
		03	ATSC0	TS0/011	PCI0
		04		TS1/020	
		05		TS2/029	
		06		TS3/038	
		07		TS4/047	
		08		TS5/011	
		09	ATSC1	TS6/020	
		10		TS7/029	
		11		TS8/038	
		12		TS9/047	
	HUB1/056	01	ACSC	CC0/011	E03
		02	ACSC	CC1/020	E03
		03	ATSC0	TS0/011	PCI1
		04		TS1/020	
		05		TS2/029	
		06		TS3/038	
		07		TS4/047	
		08		TS5/011	
		09	ATSC1	TS6/020	
		10		TS7/029	
		11		TS8/038	
		12		TS9/047	

FOR ETHERNET CABLES SEE ED1S018-61

CAD 11

ACSC 10MB ETHERNET BACKBONE CABLES

SYSTEM TYPE	FROM		TO	
	UNIT/VEQL	SLOT-PORT	UNIT/VEQL	SLOT-PORT
SN	CC0/011	E01-EN1	CC0/020	E01-EN1
MODEL 1 SCP	CC0/011	E02-EN1	CC0/020	E02-EN1
MODEL 2 SCP	CC0/011	PCI5-01	CC1/020	PCI5-01

FOR ETHERNET BACKBONE CABLES SEE ED1S015-61

CAD 10A

MODEL 2 SCP ONLY

FROM			TO		
CABINET	UNIT/VEQL	PORT OR SLOT	CABINET	UNIT/VEQL	PORT OR SLOT
ATSC0	HUB0/053	01	ACSC	CC0/011	PCI5-00
		02	ACSC	CC1/020	PCI5-00
		03	ATSC0	TS0/011	PCI0
		04		TS1/020	
		05		TS2/029	
		06		TS3/038	
		07			
		08			
		HUB1/056	01	ACSC	CC0/011
	02		ACSC	CC1/020	PCI6-00
	03		ATSC0	TS0/011	PCI1
	04			TS1/020	
	05			TS2/029	
	06			TS3/038	
	07				
	08				

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE
C2

ISSUE
1

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SD-1S010-01

SHEET
G6

CAD 12

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 21 FOR GRAPHICAL INFORMATION
 2. REFER TO ED1S015-61 FOR ORDERING INFORMATION.

CAD 13

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-J9

CAD 14

INTRA-CABINET, REMOTE SENSING

SIDE	FROM		TO	
	UNIT	POSITION	UNIT	POSITION
0	MU0	048-J19-0	RCU	063-SLOT 4 PD02, CONN C1, PIN A1
	MU1	055-J19-0	RCU	063-SLOT 7 PD04, CONN C1, PIN A1
1	MU0	048-J19-1	RCU	063-SLOT 5 PD03, CONN C1, PIN A1
	MU1	055-J19-1	RCU	063-SLOT 9 PD05, CONN C1, PIN A1

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
Lucent Technologies	SD-1S010-01	SHEET G7

CAD 15

ASYNCR 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

REFER TO ED1S015-60 FOR ORDERING INFORMATION.

CAD 16

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 17

MISCELLANEOUS INTER-CABINET CABLING

FUNCTION	CAB	FROM EQL	CAB	TO EQL	CABLE NOTE
CONSOLE 0	ACSC	011-COM1	ACSC	SPLITTER "A" MASTER	1
CONSOLE 0	ACSC	SPLITTER "A" OUT2	AMC 0	RACK	5
CONSOLE 0	ACSC	SPLITTER "A" OUT3		CONSOLE SERIAL0	2
CONSOLE 1	ACSC	019-COM1	ACSC	SPLITTER "B" MASTER	1
CONSOLE 1	ACSC	SPLITTER "B" OUT2	AMC 0	RACK	5
CONSOLE 1	ACSC	SPLITTER "B" OUT3		CONSOLE SERIAL1	2
EAI	ACSC	063-002-EA10	AMC 0	RACK	4
EAI	ACSC	063-002-EA11		LMT-PORT1	3

1. ED1S002-22,G6
2. ED1S002-22,G7A
3. ED1S002-22,G8
4. ED1S002-22,G30
5. ED1S002-22,G35

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
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SYSTEMS

DWG SIZE	ISSUE
C2	1

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SD-1S010-01

SHEET
G8

CAD 18

SCP RS232 INTER-CABINET CABLING FOR MODEL 1

PORT	FUNCTION	FROM RCU RS232 PADDLEBOARDS		TO		CABLE CODE
		CABINET	VEQL-SLOT-PORT	CABINET	UNIT/VEQL-PORT	
0	USER	ACSC	063-006-OUT0			2 OR 3
1	MTCE		063-006-OUT1		LMT - PORT0	2
2	ALARM		063-006-OUT2	ACSC	ARU/-PORT A	4
3	PRINTER		063-006-OUT3		ROP	
4	USER		063-010-OUT0			2 OR 3
5	RMT		063-010-OUT1	AMC0	RMT	3
6	SCCCI		063-010-OUT2	AMC0	SCCI	
7	SCC		063-010-OUT3	AMC0	SCC	
8	USER		063-014-OUT0			2 OR 3
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				

CAD 19

SN RS232 INTER-CABINET CABLING

PORT	FUNCTION	FROM RCU RS232 PADDLEBOARDS		TO		CABLE CODE	
		CABINET	VEQL-SLOT-PORT	CABINET	UNIT/VEQL-PORT		
0	RS232 INTER-FACE - NULL MODEM	ACSC	063-006-OUT0	ATSC0	TS4/047-COM 1	1	
1			063-006-OUT1		LMT - PORT0	2	
2			063-006-OUT2	ACSC	ARU/-PORT A	4	
3			063-006-OUT3		ROP	2	
4	RS232 INT.		063-010-OUT0	ATSCI	TS9/047-COM 1	1	
5			063-010-OUT1	AMC0	RMT	3	
6			063-010-OUT2	AMC0	SCCCI	3	
7			063-010-OUT3	AMC0	SCC	3	
8			RS232 INTER-FACE - NULL MODEM	063-014-OUT0	ATSC0	TS0/011-COM 1	1
9				063-014-OUT1	ATSC0	TS2/029-COM 1	
10				063-014-OUT2	ATSCI	TS5/011-COM 1	
11	063-014-OUT3			ATSCI	TS7/029-COM 1		
12	063-018-OUT0			ATSC0	TS1/020-COM 1		
13	063-018-OUT1			ATSC0	TS3/038-COM 1		
14	063-018-OUT2		ATSCI	TS6/020-COM 1			
15	063-018-OUT3		ATSCI	TS8/038-COM 1			
16	USER		063-022-OUT0			2 OR 3	
17			063-022-OUT1				
18			063-022-OUT2				
19			063-022-OUT3				
20			063-028-OUT0				
21			063-028-OUT1				
22			063-028-OUT2				
23		063-028-OUT3					

CABLE CODE:

1. NULL MODEM CABLE -#407652122.
2. LMT CABLE (9 PIN)-#847963030.
LMT CABLE (25 PIN)-ED1S002-22.G4.
3. MODEM CABLE (25 PIN)-#847962982.
4. ARU CABLE -#847962917.
5. PRINTER CABLE (25 PIN)-#847962925.

CAD 18A

SCP RS232 INTER-CABINET CABLING FOR MODEL 2

PORT	FUNCTION	FROM RCU RS232 PADDLEBOARDS		TO		CABLE CODE
		CABINET	VEQL-SLOT-PORT	CABINET	UNIT/VEQL-PORT	
0	USER	ACSC	063-006-OUT0			2 OR 3
1	MTCE		063-006-OUT1		LMT - PORT0	2
2	ALARM		063-006-OUT2	ACSC	ARU/-PORT A	4
3	PRINTER		063-006-OUT3		ROP	2
4	USER		063-010-OUT0			2
5	RMT		063-010-OUT1	AMC0	RMT MODEM	3
6	SCCCI		063-010-OUT2	AMC0	SCCCI MODEM	3
7	SCC		063-010-OUT3	AMC0	SCC MODEM	3
8	NULL-MODEM		063-014-OUT0	ATSC0	TS0/011-COM1	1
9	NULL-MODEM		063-014-OUT1	ATSC0	TS2/029-COM1	1
10	USER		063-014-OUT2			2 OR 3
11	USER		063-014-OUT3			2 OR 3
12	NULL-MODEM		063-018-OUT0	ATSC0	TS1/020-COM1	1
13	NULL-MODEM		063-018-OUT1	ATSC0	TS3/038-COM1	1
14	USER		063-018-OUT2			2 OR 3
15	USER		063-018-OUT3			2 OR 3
16-24	USER		063-022-OUT0 OUT0-OUT3 & 063-028 OUT0 TO OUT3			2 OR 3

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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CAD 20

SN & MODEL 1
SS7 INTRA-CABINET LINKS & CONTROL
(SEE ALSO FIGURES AS 19 & AS 20)

CAB	FROM EQL	CAB	FROM EQL	CABLE CODE
ACS	011-E9	ACSC	029-04-INA0 & INA1	A
ACS	019-E9	ACSC	029-04-INB0 & INB1	A
ACS	029-04-J7	ACSC	063-024	B
ACS	011-E10	ACSC	033-05-INA0 & INA1	A
ACS	019-E10	ACSC	033-05-INB0 & INB1	A
ACS	033-05-J7	ACSC	063-026	B
ACS	011-E11	ACSC	029-06-INA0 & INA1	A
ACS	019-E11	ACSC	029-06-INB0 & INB1	A
ACS	029-06-J7	ACSC	063-027	B
ACS	011-E12	ACSC	033-07-INA0 & INA1	A
ACS	019-E12	ACSC	033-07-INB0 & INB1	A
ACS	033-07-J7	ACSC	063-029	B

A = ED1S002-22, GROUP 51A
B = CC 407562818

CAD 21

SN & MODEL 1
SS7 INTER-CABINET LINKS
(SEE ALSO FIGURES AS 19 & AS 20)

FUNCTION	CAB	FROM EQL	LINK	CAB	TO EQL	CABLE CODE	NOTE
V.35/SS7	ACS	029-04-OUT0	1	AMC0	RACK	A	1
V.35/SS7	ACS	029-05-OUT1	2	AMC0	RACK	A	1
V.35/SS7	ACS	029-04-OUT0	1	AMC0	RACK	A	2
V.35/SS7	ACS	033-05-OUT0	2	AMC0	RACK	A	2
V.35/SS7	ACS	029-04-OUT1	3	AMC0	RACK	A	
V.35/SS7	ACS	033-05-OUT1	4	AMC0	RACK	A	
V.35/SS7	ACS	029-06-OUT0	5	AMC0	RACK	A	3
V.35/SS7	ACS	033-07-OUT0	6	AMC0	RACK	A	3
V.35/SS7	ACS	029-06-OUT1	7	AMC0	RACK	A	3
V.35/SS7	ACS	033-07-OUT1	8	AMC0	RACK	A	3

A = ED1S002-22 GROUP 51A WHEN RECOMMENDED FLOOR PLAN IS USED.

NOTE:

- CONNECTIONS FOR LINKS 1 & 2 WHEN THE SYSTEM IS ONLY CONFIGURED WITH ONE PAIR OF SS7 LINKS.
- CONNECTIONS FOR LINKS 1 & 2 WHEN THE SYSTEM IS CONFIGURED WITH MORE THAN ONE PAIR OF SS7 LINKS.
- SCP ONLY, THE SN CAN HAVE A MAXIMUM OF 4 LINKS.

CAD 21A

SCP MODEL 2 SS7 INTERCABINET LINKS

FROM			TO		
CABINET	UNIT/VEQL	SLOT	CABINET	MODEM RACK	SLOTS
ATSCO	TS0/011	E01	ACSC	USER ASSIGNED	DSU & RACK
ATSCO		E02	AMC0	USER ASSIGNED	
ATSCO		E03	AMC0	USER ASSIGNED	
ATSCO		E04	AMC0	USER ASSIGNED	
ATSCO	TS1/020	E01	AMC0	USER ASSIGNED	DSU & RACK
ATSCO		E02	AMC0	USER ASSIGNED	
ATSCO		E03	AMC0	USER ASSIGNED	
ATSCO		E04	AMC0	USER ASSIGNED	
ATSCO	TS2/029	E01	AMC0	USER ASSIGNED	DSU & RACK
ATSCO		E02	AMC0	USER ASSIGNED	
ATSCO		E03	AMC0	USER ASSIGNED	
ATSCO		E04	AMC0	USER ASSIGNED	
ATSCO	TS3/038	E01	AMC0	USER ASSIGNED	DSU & RACK
ATSCO		E02	AMC0	USER ASSIGNED	
ATSCO		E03	AMC0	USER ASSIGNED	
ATSCO		E04	AMC0	USER ASSIGNED	

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ADVANCED NETWORK SERVICES
SERVICE NODE AND
SERVICE CONTROL POINT
SYSTEMS

DWG SIZE
C2

ISSUE
1

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SHEET
G10

CAD 22

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

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:

- SEE FIGURE AS 12 FOR GRAPHICAL REPRESENTATION.
- REFER TO ED1S015-60 FOR ORDERING INFORMATION.
- CABLES FROM THE CC TO THE PATCH PANELS ARE "Y" CABLES, WITH "Y" AT PATCH PANEL END. THEY ORIGINATE IN A SINGLE CONNECTOR AT THE CC END.

CAD 23

X.25 (V.35) INTER-CABINET CABLING LINKS

FUNCTION	CAB	FROM EQL	LINK	CAB	TO EQL	CABLE CODE
X.25 SMS0	ACSC	029-00-OUT0	1	AMC 0	RACK	A
X.25 SMS1	ACSC	033-01-OUT0	2	AMC 0	RACK	A
X.25 USER	ACSC	029-00-OUT1	3	AMC 0	RACK	A
X.25 USER	ACSC	033-01-OUT1	4	AMC 0	RACK	A
X.25 SEAS0	ACSC	029-02-OUT0	5	AMC 0	RACK	A
X.25 SEAS1	ACSC	033-03-OUT0	6	AMC 0	RACK	A
X.25 USER	ACSC	029-02-OUT1	7	AMC 0	RACK	A
X.25 USER	ACSC	033-03-OUT1	8	AMC 0	RACK	A

A = #407732700

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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CAD 24

MISCELLANEOUS CABINET TO OFFICE DISTRIBUTING FRAME CABLES
 XMIT & RCV
 FOR 4 WIRE DIGITAL/LEASED NETWORKS
 (SEE NOTE 306)

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

NOTE: SEE ED1S002-22 FOR ORDERING INFORMATION.

CAD 24A

MISCELLANEOUS CABINET TO OFFICE DF CABLING
 FOR NETWORK INTERFACE MODULE - 2 WIRE DIAL UP
 (SEE NOTE 306)

USE	FROM		CABLE A25R			TO DISTRIBUTING FRAME	
	EQPT	SLOT	PIN	COLOR	DESIG		
R	PCU	01/09	01	BL-W			
T			26	W-BL			
R		02/10	02/10	02	O-W		
T				27	W-O		
R		03/11	03/11	03	G-W		
T				28	W-G		
R		04/12	04/12	04	BR-W		
T				29	W-BR		
R		05/13	05/13	05	S-W		
T				30	W-S		
R		06/14	06/14	06	BL-R		
T				31	R-BL		
R		07/15	07/15	07	O-R		
T				32	R-O		
R		08/16	08/16	08	G-R		
T				33	R-G		

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ADVANCED NETWORK SERVICES
 SERVICE NODE AND
 SERVICE CONTROL POINT
 SYSTEMS

DWG SIZE	ISSUE
C2	1

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CAD 25

ATSC T1 CABLING

CABINET	FROM		TO DSX
	UNIT/VEQL-SLOT	SLOT	
ATSC0	TS0/011	E01	
	TS1/020		
	TS2/029		
	TS3/038		
	TS4/047		
ATSC1	TS5/011		
	TS6/020		
	TS7/029		
	TS8/038		
	TS9/047		

NOTES:

- SEE AS 23 FOR MORE INFORMATION.
- REFER TO ED1S018-61 FOR ORDERING INFORMATION.

CAD 26

ATSC VT1 CABLING
FOR PROLINK & BRI VOICE

CABINET	FROM		TO DF/DSX
	UNIT/VEQL-SLOT	SLOT	
ATSC0	TS0/011	E01	
		E02	
		E03	
	TS1/020	E01	
		E02	
		E03	
	TS2/029	E01	
		E02	
		E03	
	TS3/038	E01	
		E02	
		E03	
TS4/047	E01		
	E02		
	E03		
ATSC1	TS5/011	E01	
		E02	
		E03	
	TS6/020	E01	
		E02	
		E03	
	TS7/029	E01	
		E02	
		E03	
TS8/038	E01		
	E02		
	E03		
TS9/047	E01		
	E02		
	E03		

NOTES:

- SEE AS 16 FOR MORE INFORMATION.
- REFER TO ED1S018-61 FOR ORDERING INFORMATION.

CAD 27

ATSC BRI TO DF CABLING
SEE NOTE 306

CABINET	FROM		TO DF
	UNIT/VEQL-SLOT	SLOT	
ATSC0	TS0/011	E06	
		E07	
		E08	
		E05	
	TS1/020	E06	
		E07	
		E08	
		E05	
	TS2/029	E06	
		E07	
		E08	
E05			
TS3/038	E06		
	E07		
	E08		
	E05		
TS4/047	E06		
	E07		
	E08		
	E05		
ATSC1	TS5/011	E06	
		E07	
		E08	
		E05	
	TS6/020	E06	
		E07	
		E08	
		E05	
	TS7/029	E06	
		E07	
		E08	
		E05	
TS8/038	E06		
	E07		
	E08		
	E05		
TS9/047	E06		
	E07		
	E08		
	E05		

NOTES:

- SEE AS 2, 4, & 16 FOR GRAPHICAL INFORMATION.
- REFER TO ED1S018-61 FOR ORDERING INFORMATION.

CAD 26A

ATSC VT1 CABLING FOR PRI: PRI VOICE SERVICES (TYPICAL)
(SEE ALSO FIGURE AS 25)

CABINET	FROM		TO DSX
	UNIT/VEQL-SLOT	SLOT	
ATSC0	TS0-011	E01	
	TS0-011	E02	
	TS0-011	E03	
	TS0-011	E04	
	TS0-011	E05	
	TS0-011	E06	
	TS0-011	E07	
	TS0-011	E08	

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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CAD 28

TSC BRI TO NT1 RACK, T-INTERFACE CABLING-TYPICAL

FROM			TO		
CABINET	UNIT/VEQL	SLOT	CABINET	UNIT-VEQL	SLOTS
ATSCO	TS0/011	E05	ANTCO	NT0/008	1A-12A
ATSCO		E06	ANTCO	NT1/012	
ATSCO		E07	ANTCO	NT2/016	
ATSCO		E08	ANTCO	NT3/020	
ATSCO	TS1/020	E05	ANTCO	NT4/024	
ATSCO		E06	ANTCO	NT5/028	
ATSCO		E07	ANTCO	NT6/032	
ATSCO		E08	ANTCO	NT7/036	
ATSCO	TS2/029	E05	ANTCO	NT8/044	
ATSCO		E06	ANTCO	NT9/048	
ATSCO		E07	ANTCO	NT10/052	
ATSCO		E08	ANTCO	NT11/056	

NOTES:

1. CABLE IS COMCODE 108178989. REFER TO ED1S018-61 FOR ORDERING INFORMATION.
2. USE ONLY THE RJ45 PORTS LABELED "A" ON THE NT1 EQUIPMENT PANEL. CONNECT CONN 1 OF THE CABLE TO PORT 1A, CONN 2 TO PORT 2A, CONN 12 TO PORT 12A.
3. CONN 13 ON THE CABLE ATTACHES TO THE ABR CARD IN THE TELECOM SERVER.
4. FOR INSTALLATIONS THAT DIFFER FROM THE TYPICAL LAYOUT SHOWN IN THE TABLE ABOVE, AN ATTEMPT SHOULD BE MADE TO KEEP THE TELECOM SERVERS CONNECTED TO NT1 RACKS THAT ARE ON THE SAME POWER BUS (A OR B). SEE ALSO FIGURE AS5, AS6, & AS7 FOR FUSE ASSIGNMENTS.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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CAD 29

ANTC0 NT1 TO DF CABLING - U INTERFACE

SEE NOTE 306

CABINET	FROM		TO DF
	UNIT/VEQL	TERM	
ANTC0	NT0/008	LINE	
	NT1/012		
	NT2/016		
	NT3/020		
	NT4/024		
	NT5/028		
	NT6/032		
	NT7/036		
	NT8/044		
	NT9/048		
	NT10/052		
	NT11/056		
	NT12/060		
NT13/064			

NOTES:

1. SEE AS 14 & AS 16 FOR GRAPHICAL INFORMATION.
2. REFER TO ED1S020-60 AND ED1S002-22,G107 FOR ORDERING INFORMATION.

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ADVANCED NETWORK SERVICES SERVICE NODE AND SERVICE CONTROL POINT SYSTEMS	DWG SIZE	ISSUE
	C2	1
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