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DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1	2D	2D	3D	3D
4D	5A	6B	7B	8B	9B
10B					
DWG ISS	CD ISS	DATE ISSD	DRN	APP	
11B	12B	04-13-93			
12B	13B	8-20-96			
13B		8-20-96			

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.	CATEGORY	NO.
5ESS	IH	5ESS ASSIGNMENT RULES	SD-5D007-01 SD-5D017-01 DCLU DCLU2 DCTU DLTU DLTUE DSU FU FFP FIU GDSUE LDSUF LTP LU LU2 MCTU	MEU MMSU MSU PPMU PSU RCU SMC SMPU SMPU2 TSIU TSIU2 TU ISLU SIX FAN UNIT SDCLU TUE	SD-5D048-01 SD-5D015-01 SD-5D033-01 SD-5X202-01 SD-5D074-01 SD-5D075-01 SD-5D118-01 SD-5D118-02 SD-5D118-03 SD-5D040-02 SD-5D129-01 SD-5D041-01 SD-5D045-01 SD-5D300-01 SD-5D089-01 SD-5D081-01 SD-5D203-01 SD-5X203-01

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

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BT13

**5ESS<sup>®</sup> SWITCHING EQUIPMENT**

**SWITCHING MODULE APPLICATION SCHEMATIC**

DWG SIZE	ISSUE
<b>C2</b>	<b>13B</b>

Lucent Technologies, Inc. SD-5D012-02 SHEET **A1** OF 80

# DESIGNATION MNEMONICS INDEX

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	-48A00	2-4	-48 VOLT POWER FEED	LU2	14	LINE UNIT, MODEL 2	(0,1)PICB	2,3,5-19	PERIPHERAL INTERFACE CONTROL BUS
	-48A10	2-4	-48 VOLT POWER FEED	( )M	5,6	'M' SIGNALING LEAD ASSOCIATED WITH TRUNK CIRCUIT	(0,1)PIDB	2,3,5-10,13-15	PERIPHERAL INTERFACE DATA BUS
	-48B00	2-4	-48 VOLT POWER FEED	MGTU	1,5-10,12,14-19,21	MODULE CONTROLLER AND TIME SLOT INTERCHANGE UNIT	(0,1)RA	5,6,13,14	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT
	-48B10	2-4	-48 VOLT POWER FEED	MEU	1,2,20	MEMORY EXPANSION UNIT	(0,1)REF	19	CLOCK REFERENCE, NETWORK CLOCK
	-48RTA10	2-4	-48 VOLT RETURN	MMSU	5,6,12-14,16	MODULAR METALLIC SERVICE UNIT	(0,1)TA	5,6,13,14	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT
	-48RTB00	2-4	-48 VOLT RETURN	MSGS	1-3	MESSAGE SWITCH	3BSCNR	2-4,22	SCAN RETURN FROM 3B I/O PROCESSOR
	-48RTB10	2-4	-48 VOLT RETURN	MSU	5,11,16	METALLIC SERVICE UNIT	3BSCNO	2-4,22	SCAN LEAD TO 3B I/O PROCESSOR
	-48RTN	18	-48 VOLT RETURN	MTB	12	METALLIC TEST BUS			
	-48RTNA00	2-4	-48 VOLT RETURN	PMU	16	PRECISION MEASUREMENT UNIT			
	-48V	18	-48 VOLT POWER FEED	PPMU	18	PERIODIC PULSE METERING UNIT			
	-48V(A,B)	5-20	-48 VOLT POWER FEED	PSU	26	PACKET SWITCHING UNIT			
	ASC	24,25	ALARM/STATUS CIRCUIT	R	7,8,18	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	ATUE	6	ANALOG TRUNK UNIT-EXPORT	( )R	5,6,11,13,14,18	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	( )AT	11	TIP LEAD ASSOCIATED WITH TRUNK CIRCUIT	RCU	19	REMOTE CLOCK UNIT			
	( )AR	11	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT	RTN	23	POWER RETURN			
	CLK	7,8	DIGITAL CROSS-CONNECT CLOCK SIGNAL	R1	7,8	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	DCLU	15	DIGITAL CARRIER LINE UNIT	( )R1	5,6,11	RING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	DCTU	16	DIRECTLY CONNECTED TEST UNIT	( )S	3,6	'S' SIGNALING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	DLTU	7,17	DIGITAL LINE TRUNK UNIT	( )SG	5,6	'SG' SIGNALING LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	DLTUE	8	DIGITAL LINE TRUNK UNIT-EXPORT	SMC	1-3,20-23	SWITCHING MODULE CONTROL CABINET			
	DSU	9	DIGITAL SERVICE UNIT	SMPU	3,5,7,9,11-17,19	SWITCHING MODULE PROCESSOR UNIT			
	DSU2	1	DIGITAL SERVICE UNIT, MODEL 2	SMPU2	2	SWITCHING MODULE PROCESSOR UNIT, MODEL 2			
	DSX	5-8,11-16,18,19	DIGITAL CROSS-CONNECT	T	7,8,18	TIP LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	( )E	5,6	'E' SIGNALING LEAD ASSOCIATED WITH TRUNK CIRCUIT	( )T	5,6,11,13,14,18	TIP LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	FLED4	22B-E	-48V SUPPLY TO SUCCEEDING UNIT	TMS	1-3	TIME MULTIPLEXED SWITCH			
	FU	1-4,22	FAN UNIT	TSIU	3,5,7,9,13-15,17,21	TIME SLOT INTERCHANGER UNIT			
	FFP	1-21,23	FUSE/FILTER PANEL	TSIU2	2,5-19,21	TIME SLOT INTERCHANGER UNIT, MODEL 2			
	FIU	17,19	FACILITIES INTERFACE UNIT	TU	5	TRUNK UNIT			
	GDSU	9	GLOBAL DIGITAL SERVICE UNIT	T1	7,8	TIP LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	GDSUE	10	GLOBAL DIGITAL SERVICE UNIT-EXPORT	( )T1	5,6,11	TIP LEAD ASSOCIATED WITH TRUNK CIRCUIT			
	GRD	5-20	COMMON GRD	(0,1)ANCT-T	2,3,17	NETWORK CONTROL AND TIMING LINK TIP LEAD			
	LDSU	1-3	LOCAL DIGITAL SERVICE UNIT	(0,1)BNCT-R	2,3,17	NETWORK CONTROL AND TIMING LINK RING LEAD			
	LDSUE	1	LOCAL DIGITAL SERVICE UNIT-EXPORT	(0,1)DPIDB	26,27	DUPLICATED PERIPHERAL INTERFACE DATA BUS			
	LDSUF	1	LOCAL DIGITAL SERVICE UNIT-FUNCTION	(0,1)FICB	17	FACILITIES INTERFACE CONTROL BUS			
	LTP	4,21-23	LINE TRUNK PERIPHERAL	(0,1)FIDB	17	FACILITIES INTERFACE DATA BUS			
	LTPRST	2-4,22	LINE TRUNK PERIPHERAL ALARM RESET	(0,1)MTIB	12	METALLIC TEST INTERCONNECT BUS			
	LU	13	LINE UNIT	(0,1)PB	26	PACKET BUS			

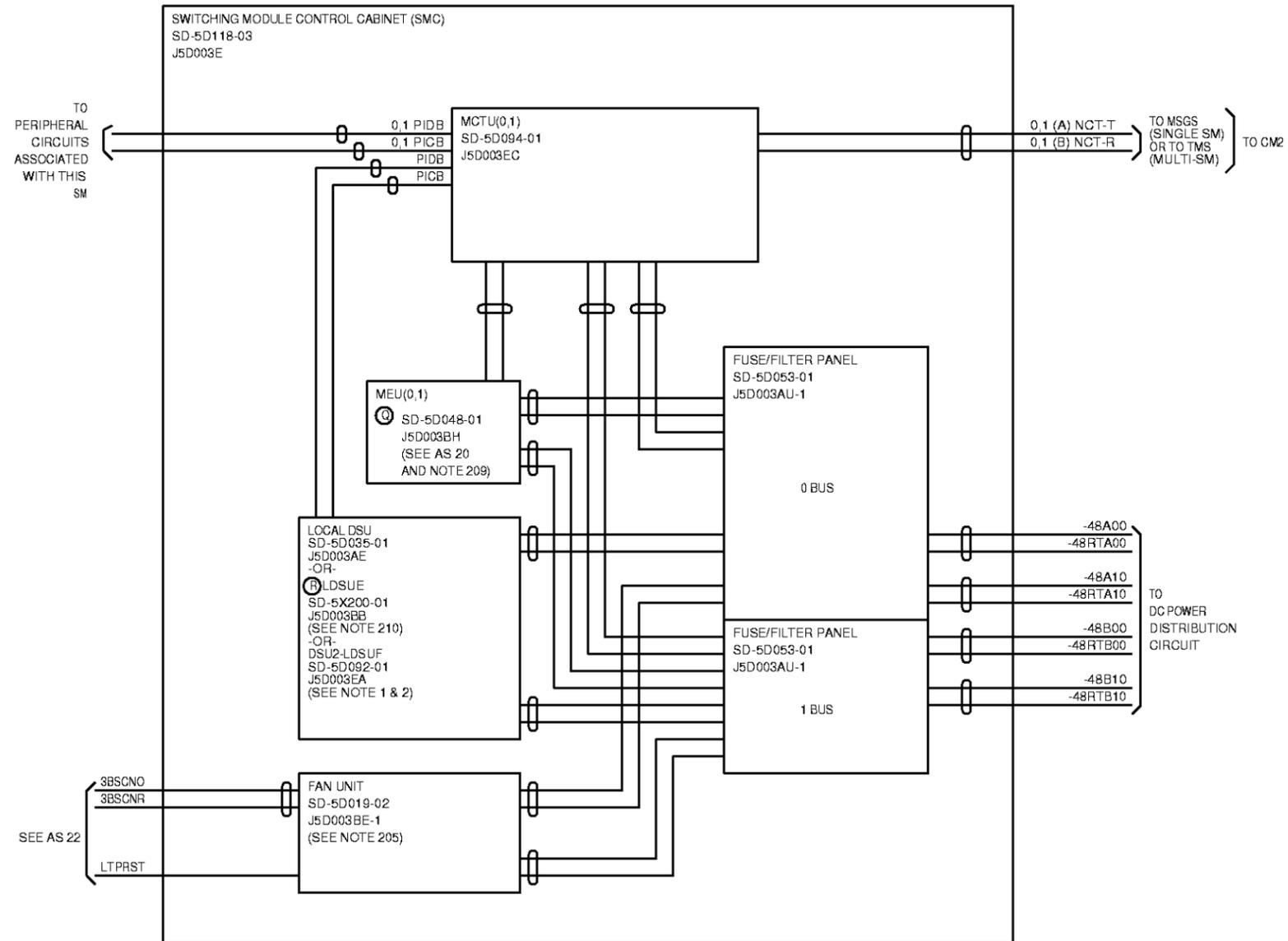
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<b>SWITCHING MODULE APPLICATION</b>	DWG SIZE <b>C2</b>	ISSUE <b>13B</b>
Lucent Technologies, Inc.	SD-5D012-02	SHEET <b>A2</b>

# AS 1A

SWITCHING MODULE CONTROL CABINET  
WITH MCTU

NOTES:

1. THE DSU2-LDSUF (J5D003EA) IS A REPLACEMENT FOR THE LOCAL DSU (J5D003AE). DSU2-LDSUF PHASED INTO FULL PRODUCTION DURING 5E2(2).
2. THE DSU2 ALLOWS OPTIONAL FEATURES TO BE EQUIPPED IN THE SAME UNIT. SEE AS 28.



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SWITCHING MODULE APPLICATION

DWG SIZE  
**C2**

ISSUE  
**13B**

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SHEET  
**B1**

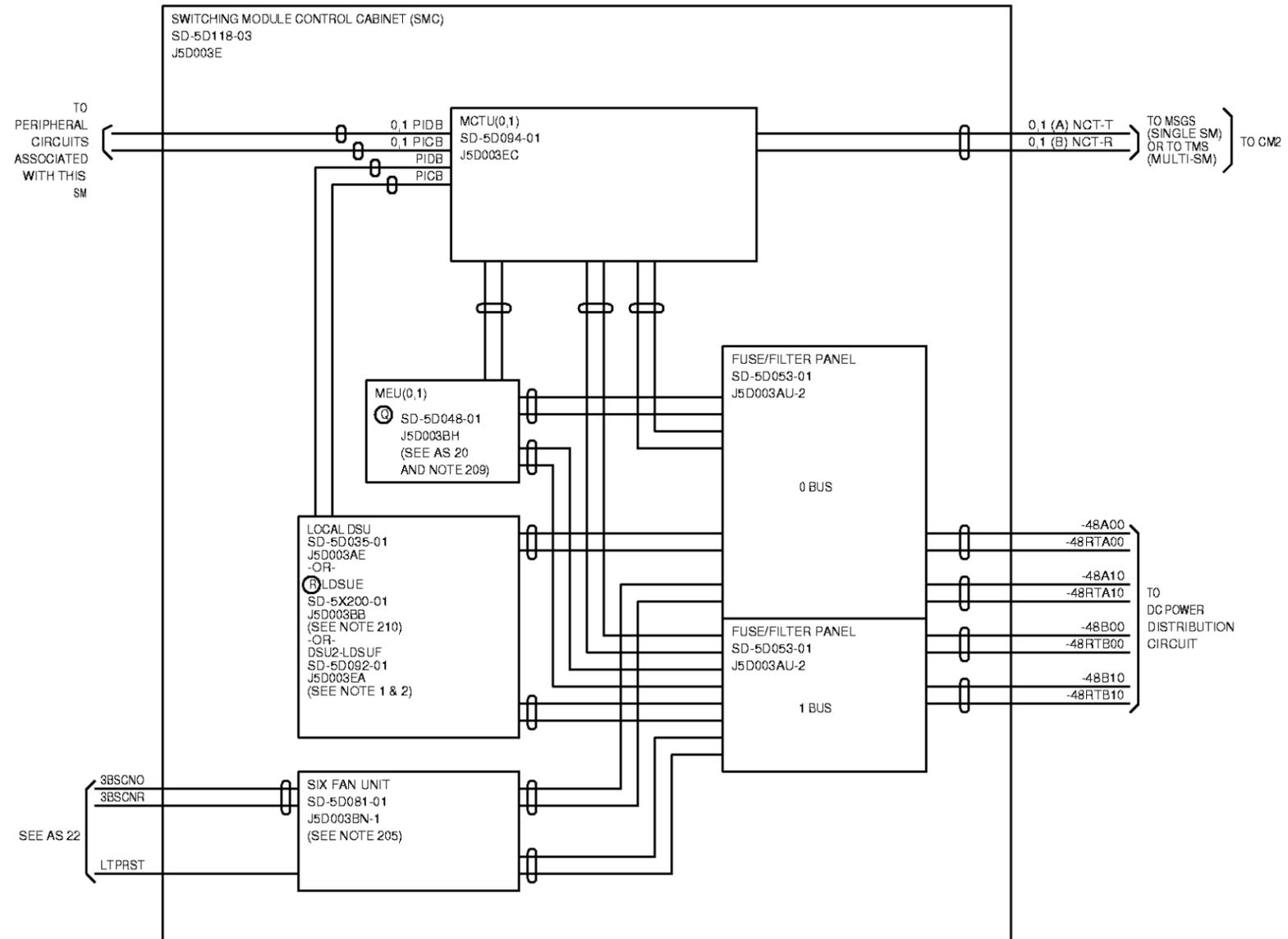
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# AS 1B

SWITCHING MODULE CONTROL CABINET  
WITH MCTU

NOTES:

1. THE DSU2-LDSUF (J5D003EA) IS A REPLACEMENT FOR THE LOCAL DSU (J5D003AE). DSU2-LDSUF PHASED INTO FULL PRODUCTION DURING 5E2(2).
2. THE DSU2 ALLOWS OPTIONAL FEATURES TO BE EQUIPPED IN THE SAME UNIT. SEE AS 28.



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SWITCHING MODULE APPLICATION

DWG SIZE  
**C2**

ISSUE  
**13B**

Lucent Technologies, Inc.

SD-5D012-02

SHEET  
**B2**

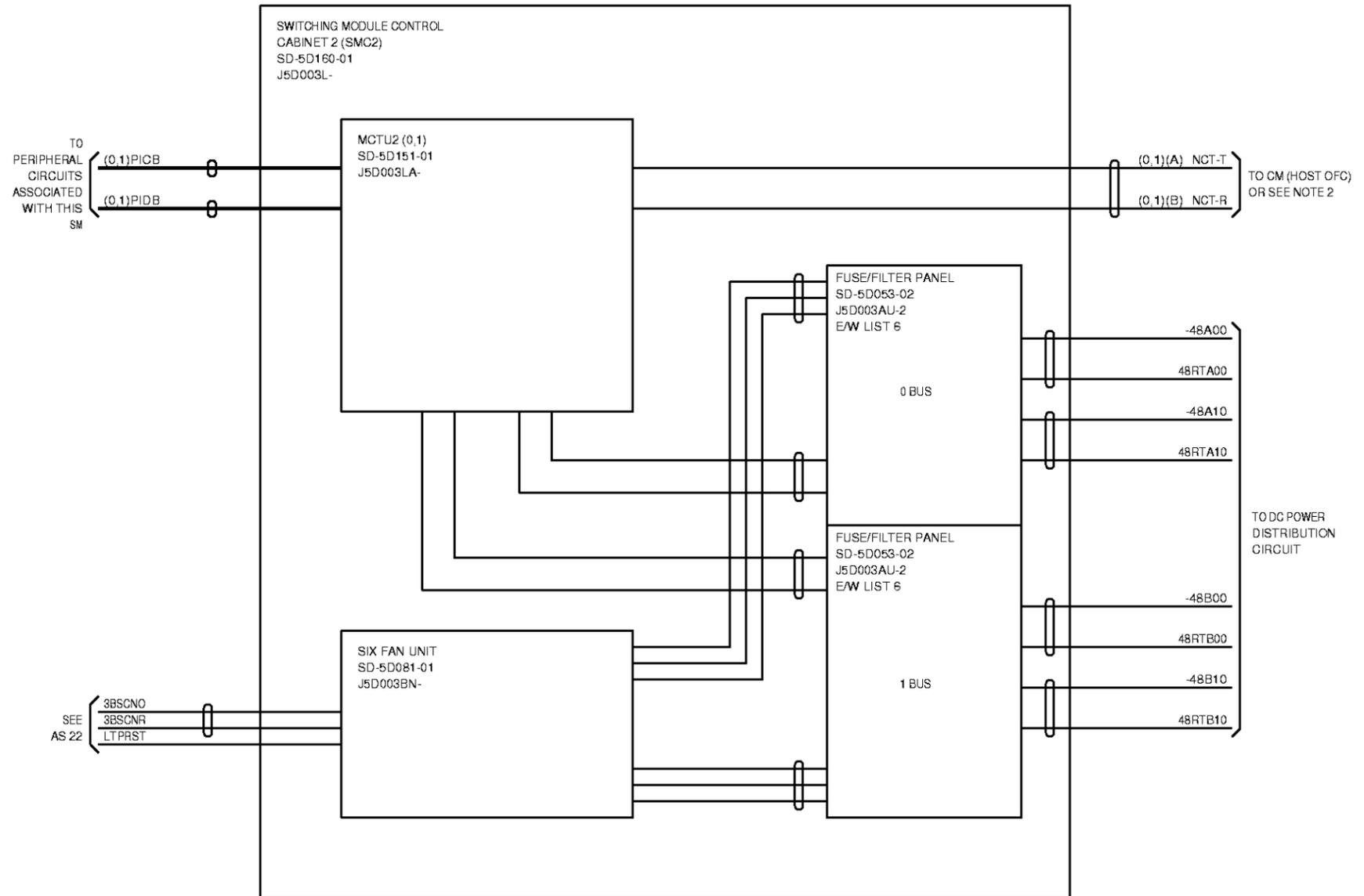
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# AS 1C

SWITCHING MODULE CONTROL CABINET 2  
FOR MCTU2

NOTES:

1. THE LDSU FUNCTION IS PROVIDED WITH DSC PACKS EQUIPPED IN MCTU2.
2. FOR REMOTE OFFICE APPLICATIONS SEE SD-5D133-01.



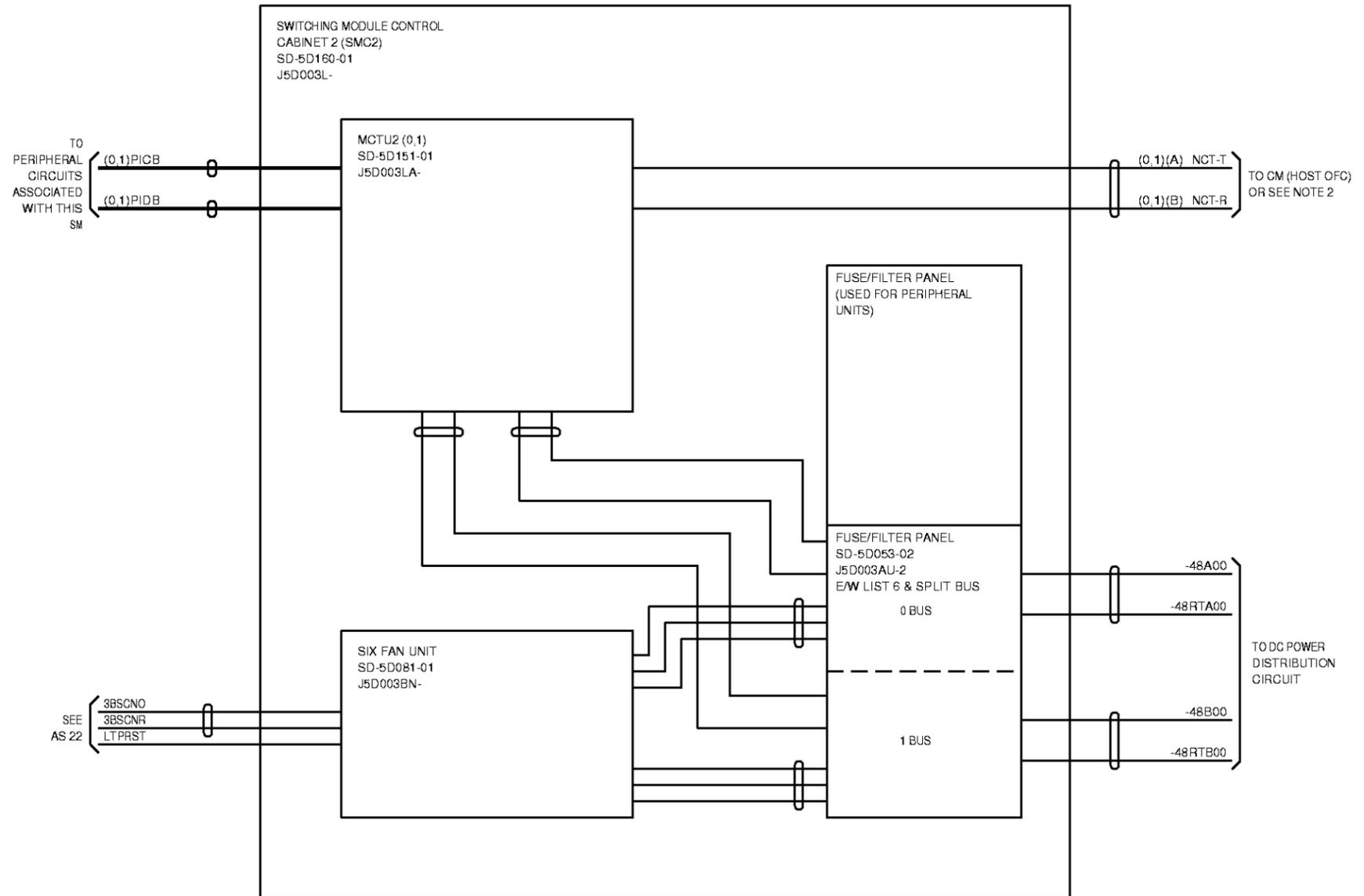
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B3

# AS 1D

SWITCHING MODULE CONTROL CABINET 2  
FOR MCTU2 WITH A SPLIT BUS  
FUSE/FILTER PANEL

NOTES:

1. THE LDSU FUNCTION IS PROVIDED WITH DSC PACKS EQUIPPED IN MCTU2.
2. FOR REMOTE OFFICE APPLICATIONS SEE SD-5D133-01.



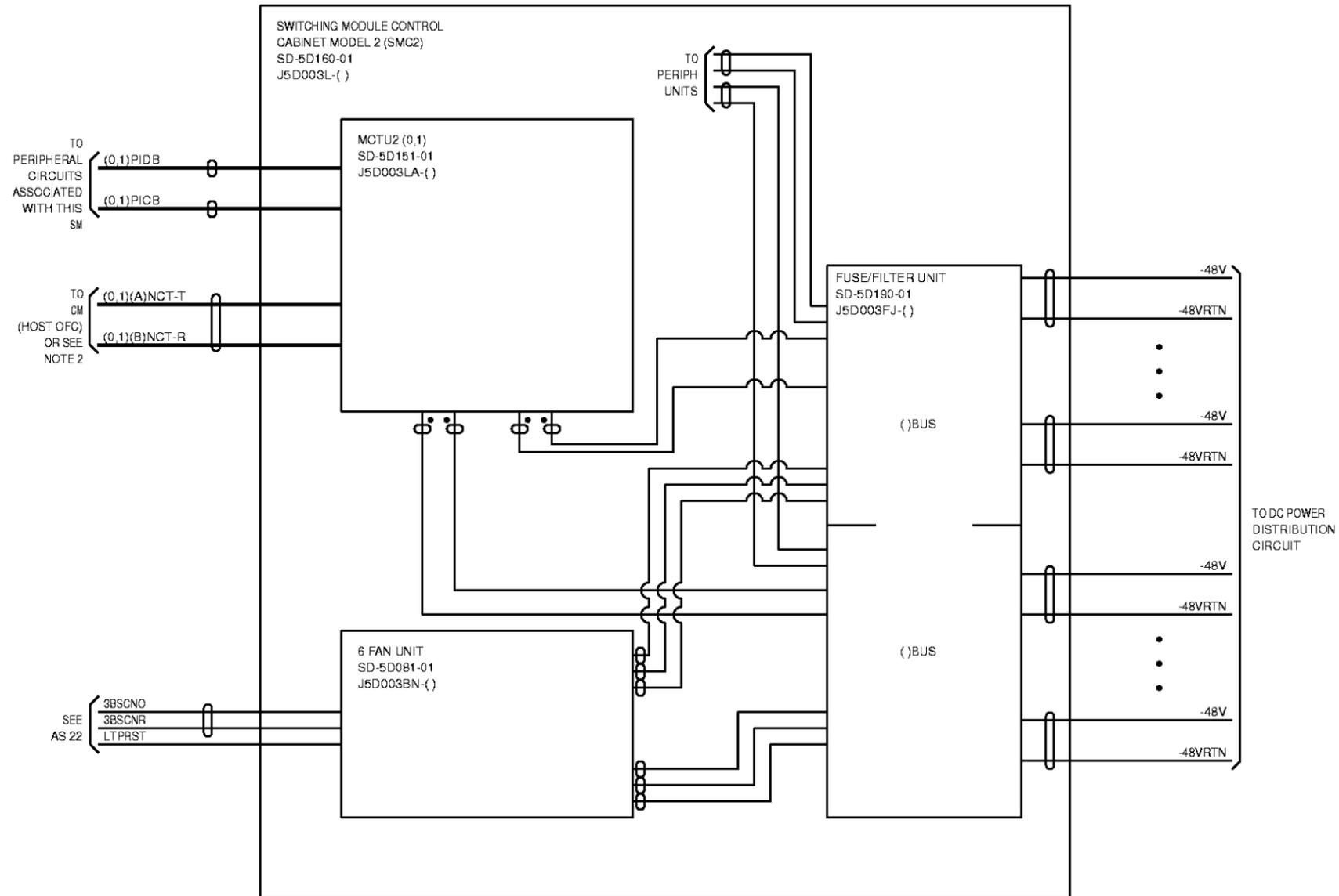
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B4

# AS 1E

SWITCHING MODULE CONTROL CABINET MODEL 2  
E/W J5D003FJ-{}  
FUSE/FILTER UNIT

NOTES:

1. THE LDSU FUNCTION IS PROVIDED BY DSC PACKS EQUIPPED IN MCTU2.
2. FOR REMOTE OFFICE APPLICATIONS SEE SD-5D133-01.



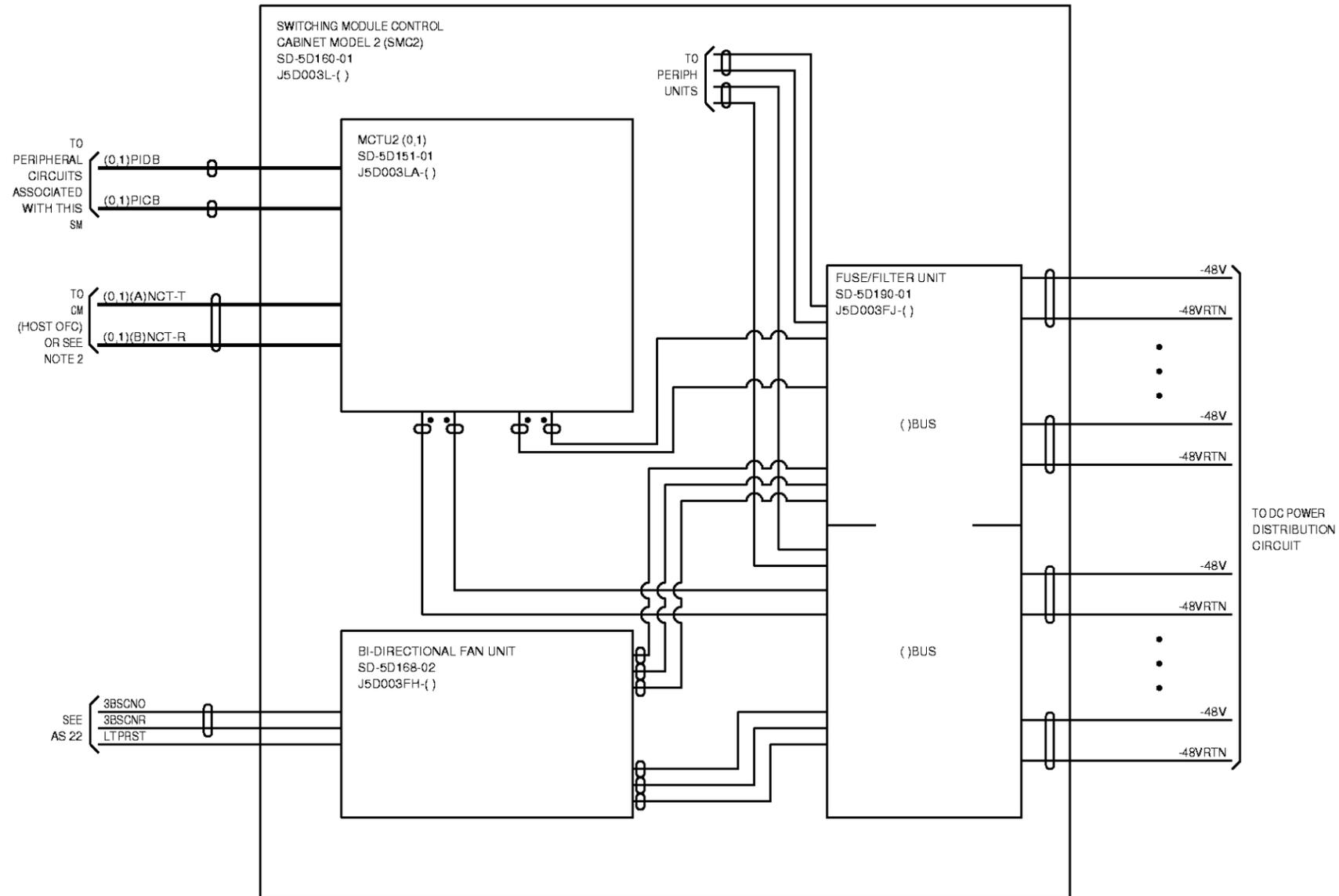
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B5

# AS 1F

SWITCHING MODULE CONTROL CABINET MODEL 2  
 E/W J5D003FJ-{}  
 FUSE/FILTER UNIT  
 &  
 J5D003FH-{}  
 FAN UNIT

NOTES:

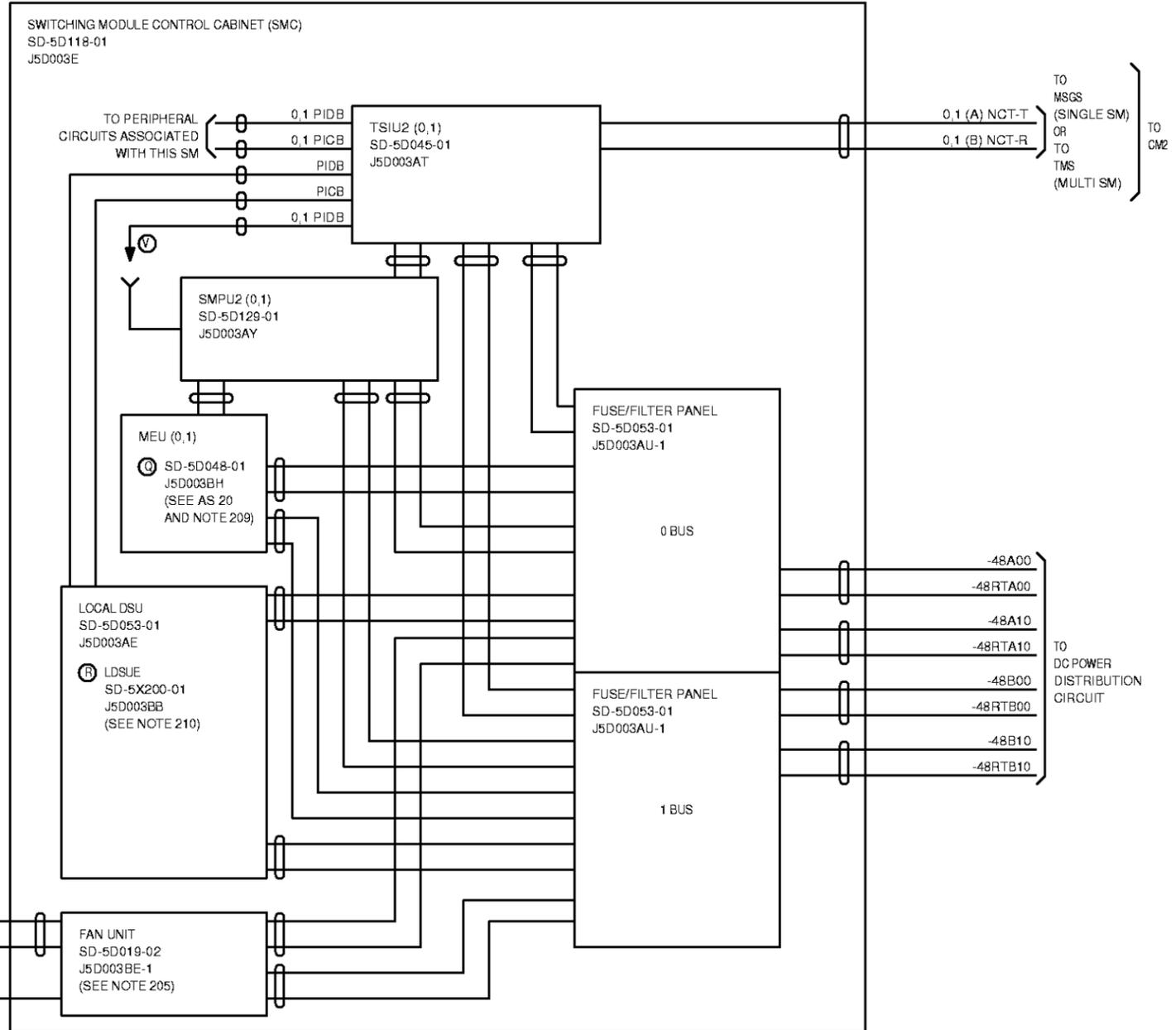
1. THE LDSU FUNCTION IS PROVIDED BY DSC PACKS EQUIPPED IN MCTU2.
2. FOR REMOTE OFFICE APPLICATIONS SEE SD-5D133-01.



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	C2	13B
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# AS 2

SWITCHING MODULE CABINET  
WITH TSIU2 AND SMPU2

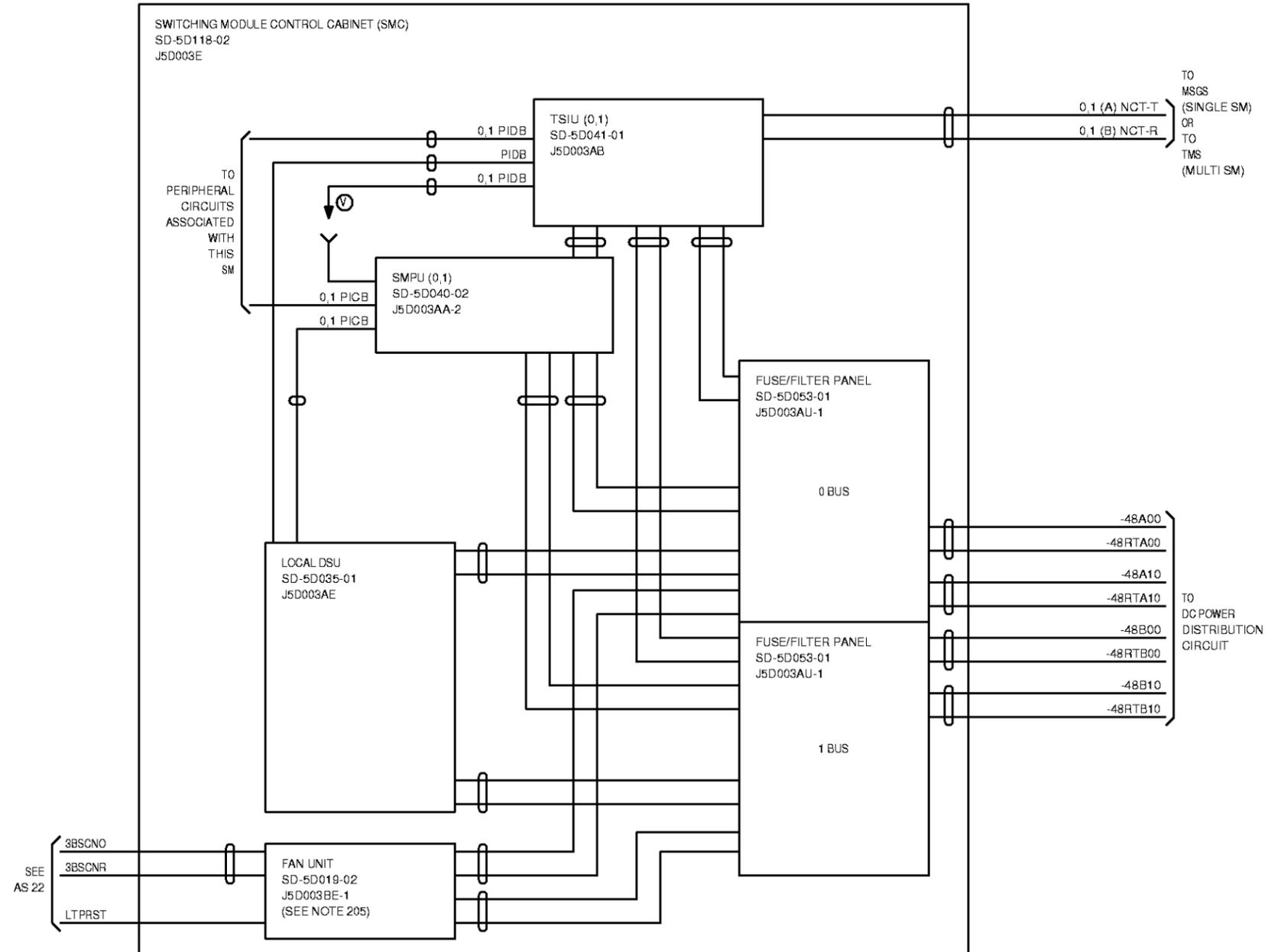


SEE AS 22  
3BSCNO  
3BSCNR  
LTPRST

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# AS 3

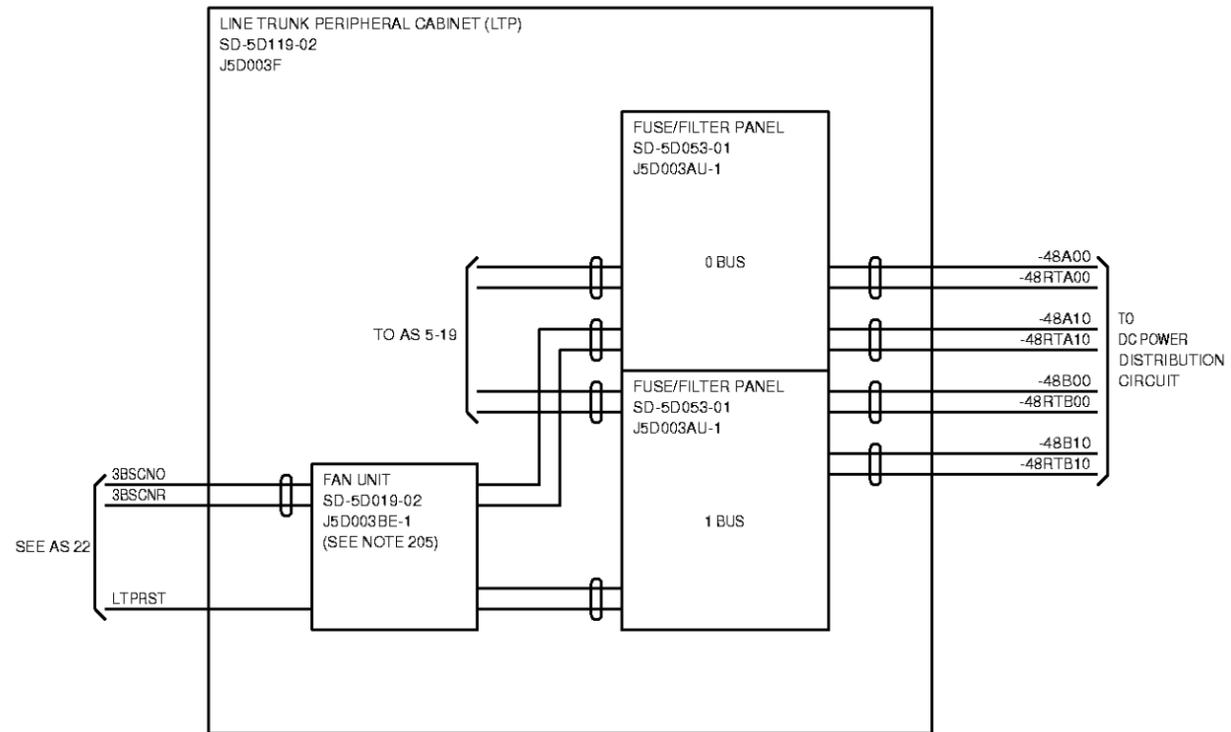
SWITCHING MODULE CABINET  
WITH TSIU AND SMPU



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	C2	13B
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# AS 4A

LINE TRUNK PERIPHERAL CABINET



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SHEET  
**B9**

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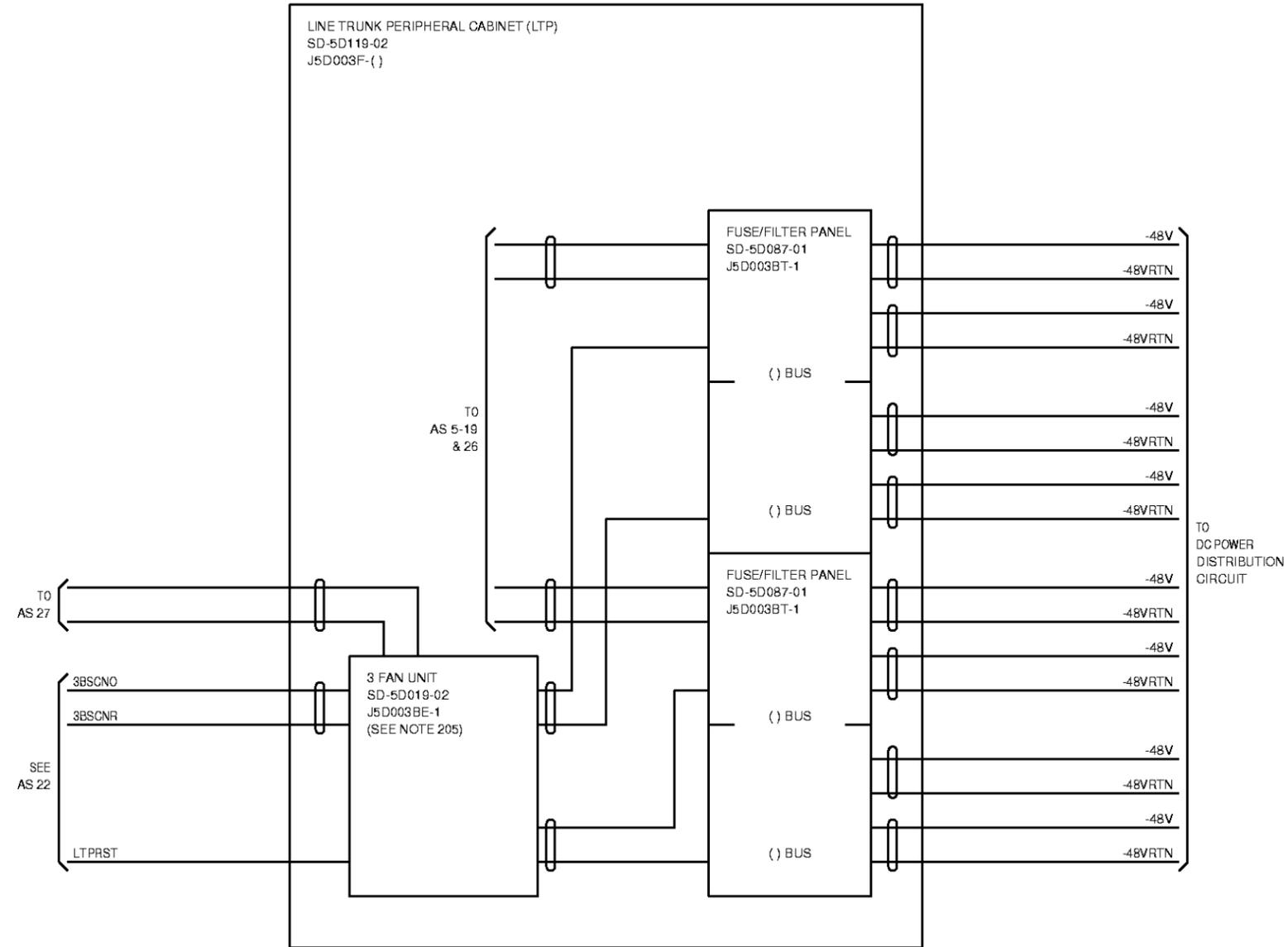


# AS 4C

LINE TRUNK PERIPHERAL CABINET

NOTE:

1. THIS LTP CONFIGURATION OF THE J5D003BT FUSE/FILTER PANELS AND J5D003BN 6 FAN UNIT IS REQUIRED WHEN HOUSING THE INTEGRATED SERVICES LINE UNIT (ISLU).



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SWITCHING MODULE APPLICATION

DWG SIZE  
**C2**

ISSUE  
**13B**

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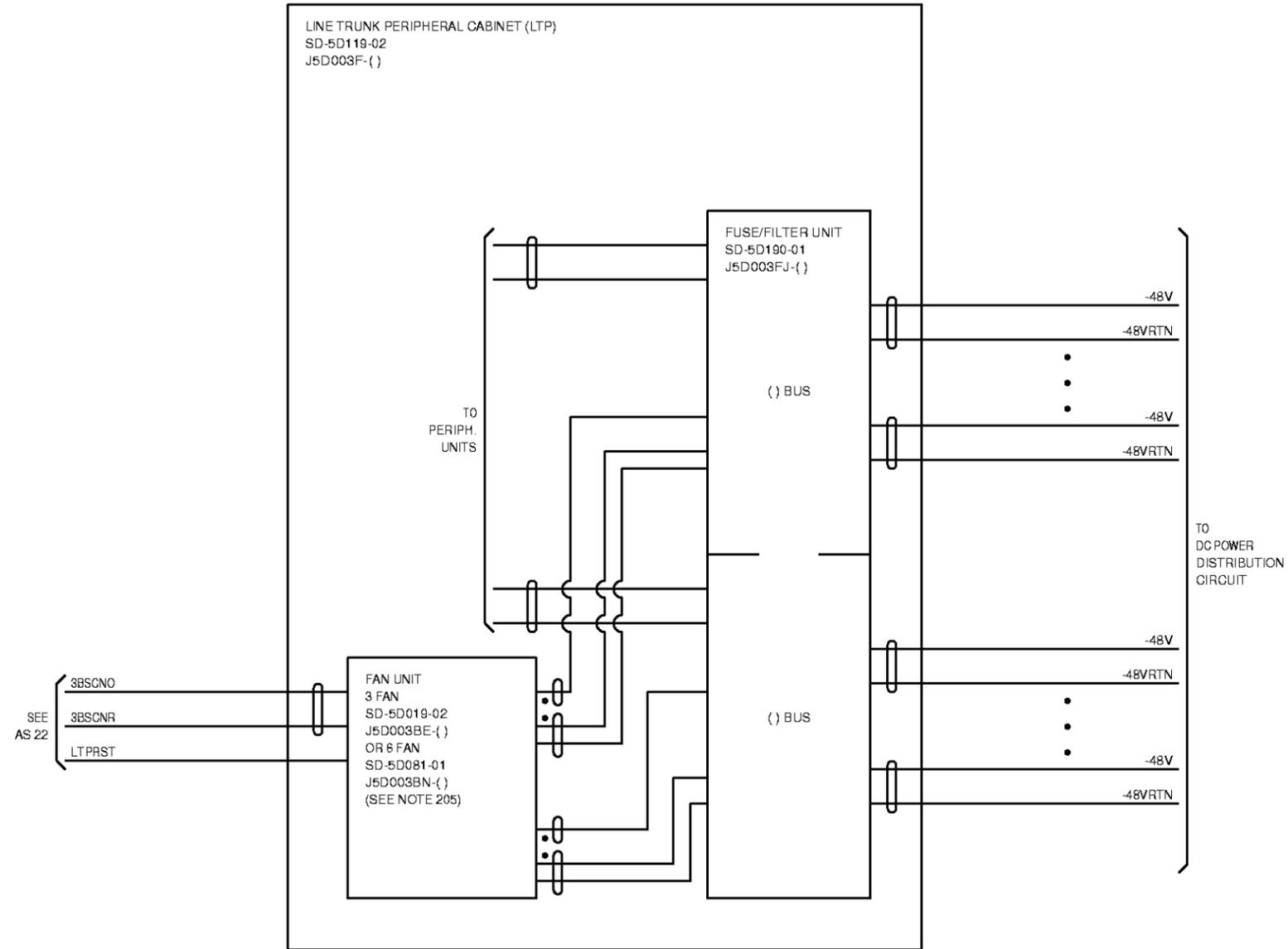
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SHEET  
**B11**

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# AS 4D

LINE TRUNK PERIPHERAL CABINET  
E/W J5D003FJ-{}  
FUSE/FILTER UNIT



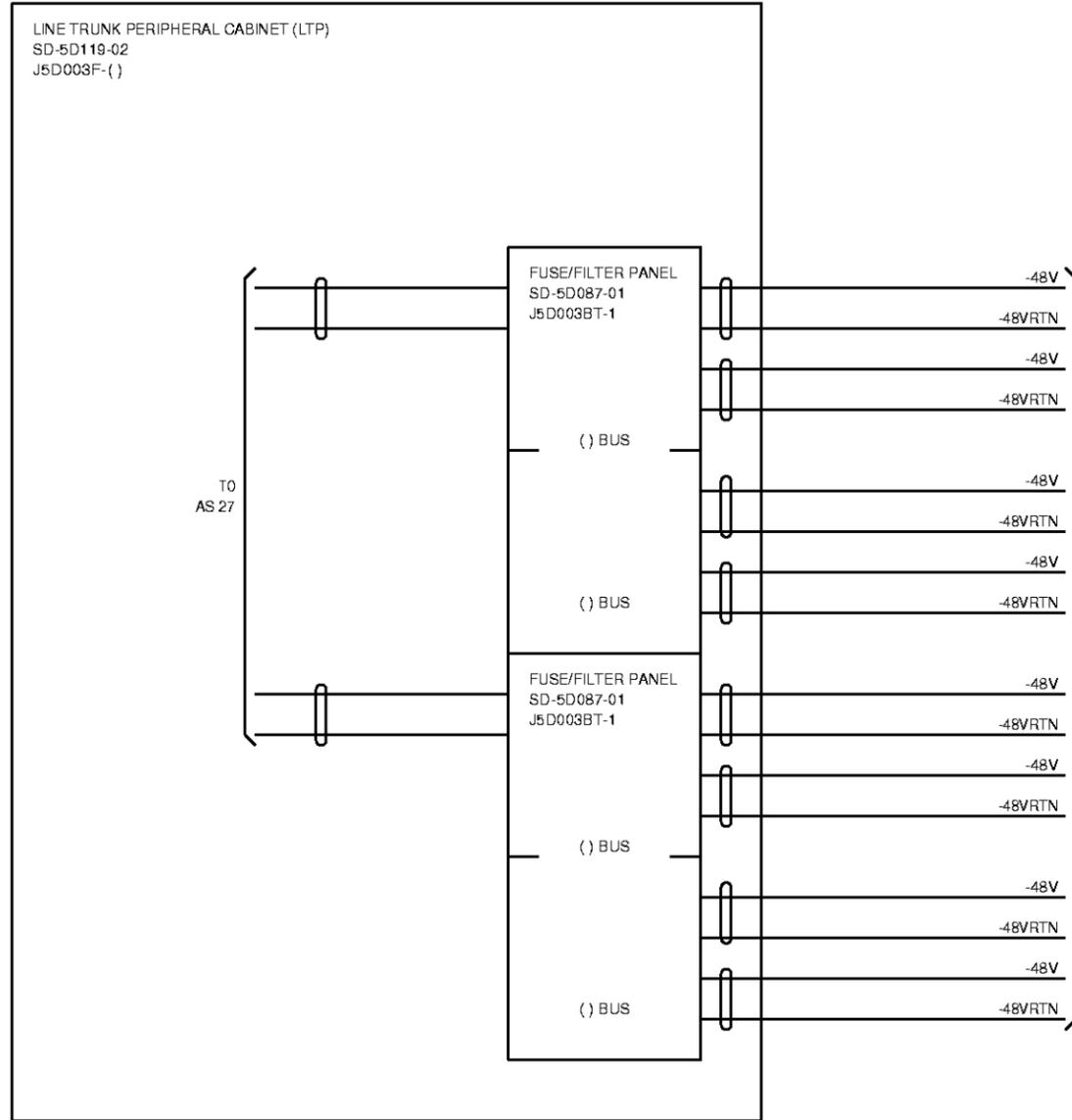
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B12

# AS 4E

LINE TRUNK PERIPHERAL CABINET

NOTE:

1. THIS LTP CONFIGURATION OF THE J5D003BT FUSE/FILTER PANELS AND NO 3 FAN UNIT IS REQUIRED WHEN HOUSING (2) INTEGRATED SERVICES LINE UNITS (ISLU).



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
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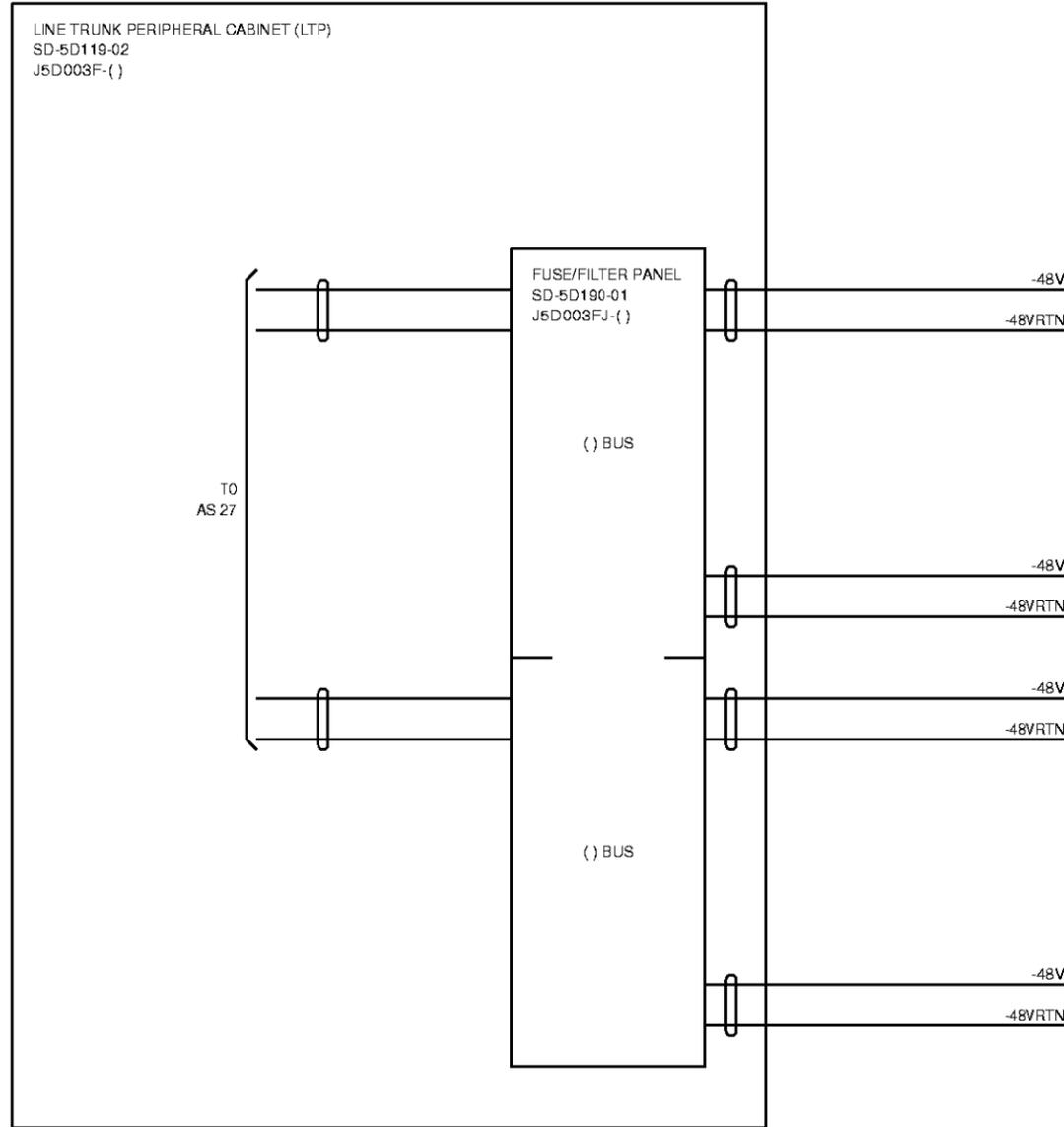
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# AS 4F

LINE TRUNK PERIPHERAL CABINET

NOTE:

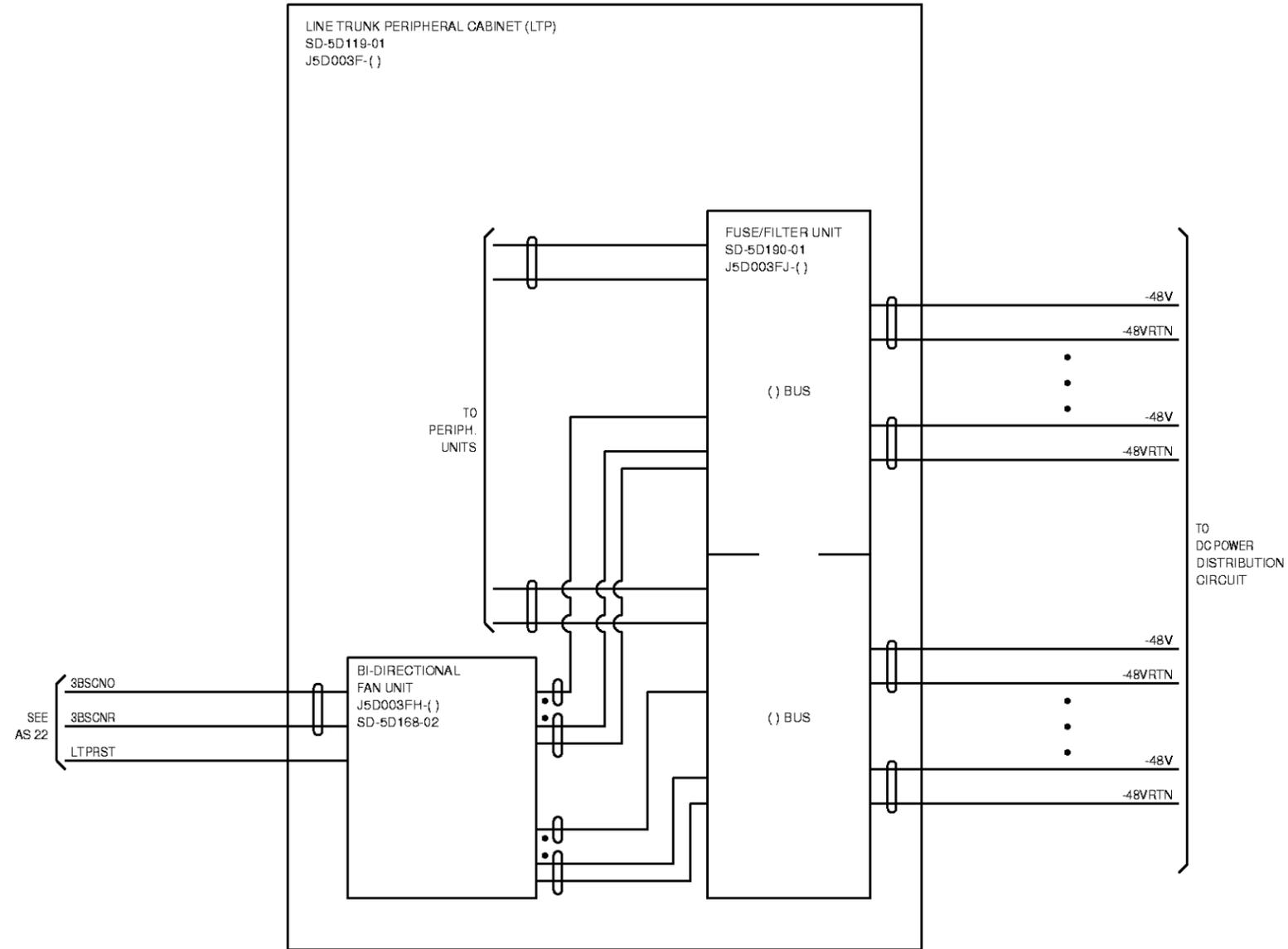
1. THIS LTP CONFIGURATION OF THE J5D003BT FUSE/FILTER PANELS AND J5D003BE 3 FAN UNIT IS REQUIRED WHEN HOUSING (2) INTEGRATED SERVICES LINE UNITS (ISLU).



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B14

# AS 4G

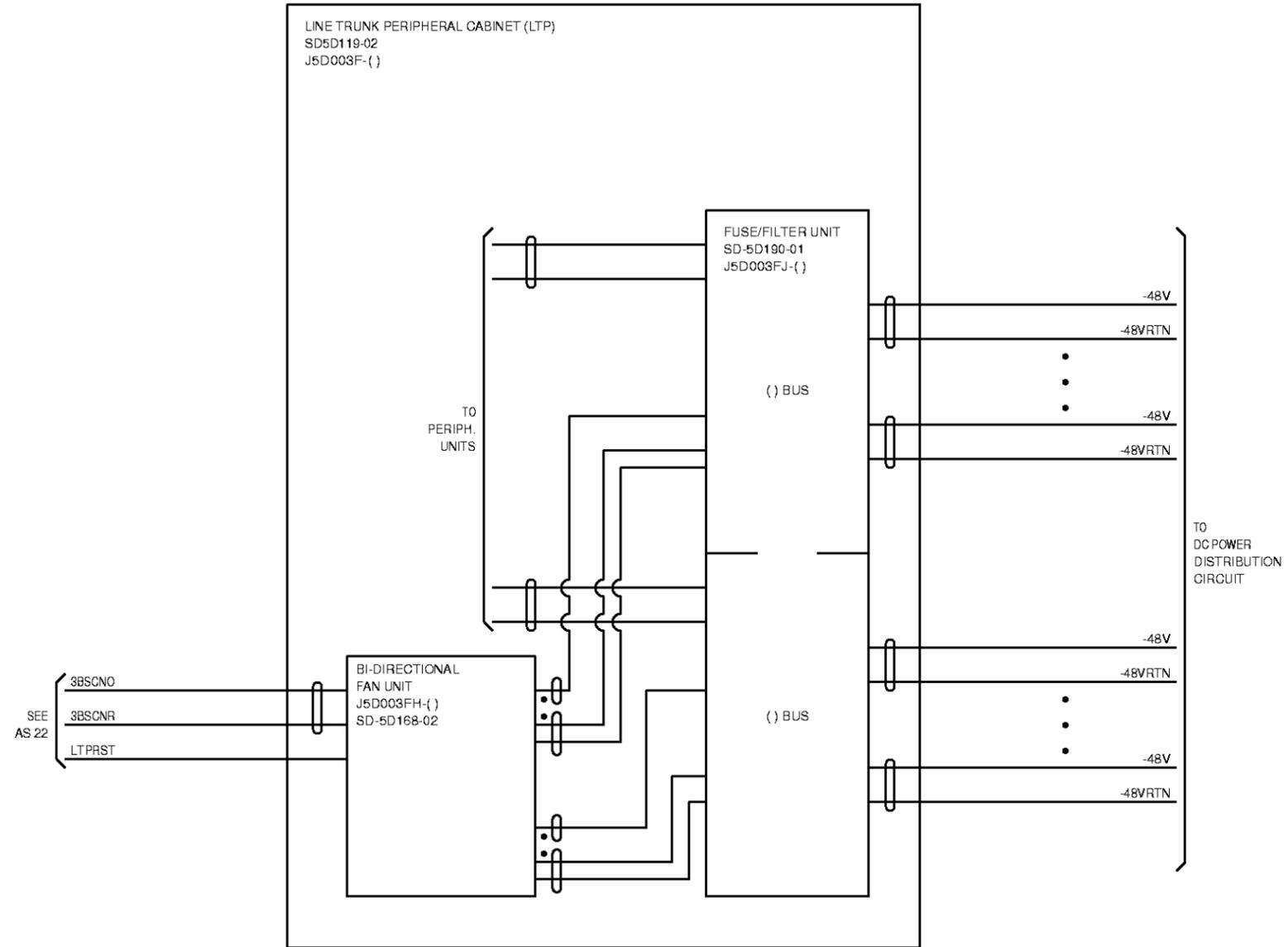
LINE TRUNK PERIPHERAL CABINET  
 E/W J5D003FJ-{}  
 FUSE/FILTER UNIT  
 &  
 J5D003FH-{}  
 FAN UNIT



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
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# AS 4H

21 INCH DEPTH STANDARD CABINET



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SWITCHING MODULE APPLICATION

DWG SIZE  
**C2**

ISSUE  
**13B**

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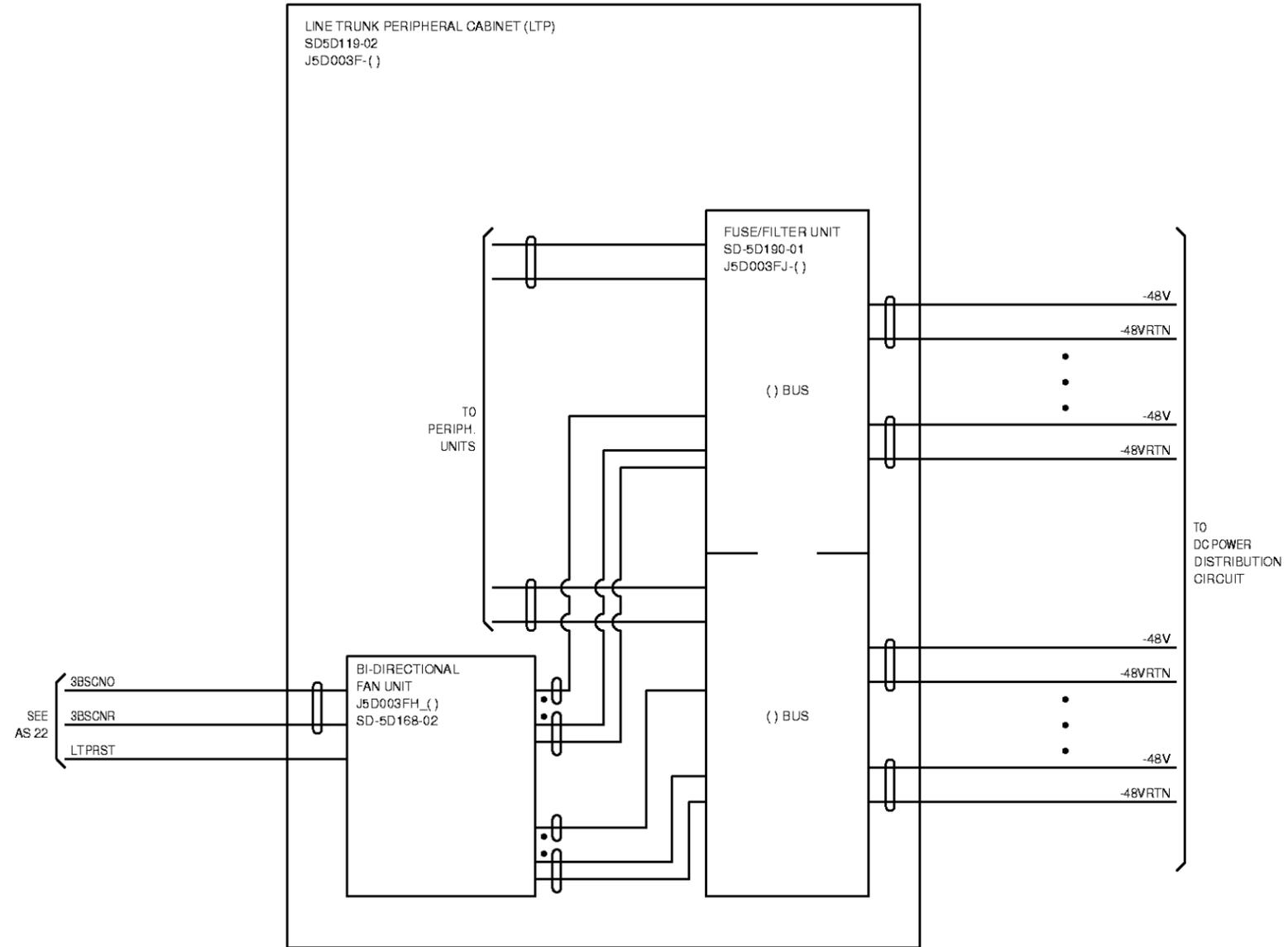
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SHEET  
**B15A**

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# AS 41

STANDARD 2000 CABINET

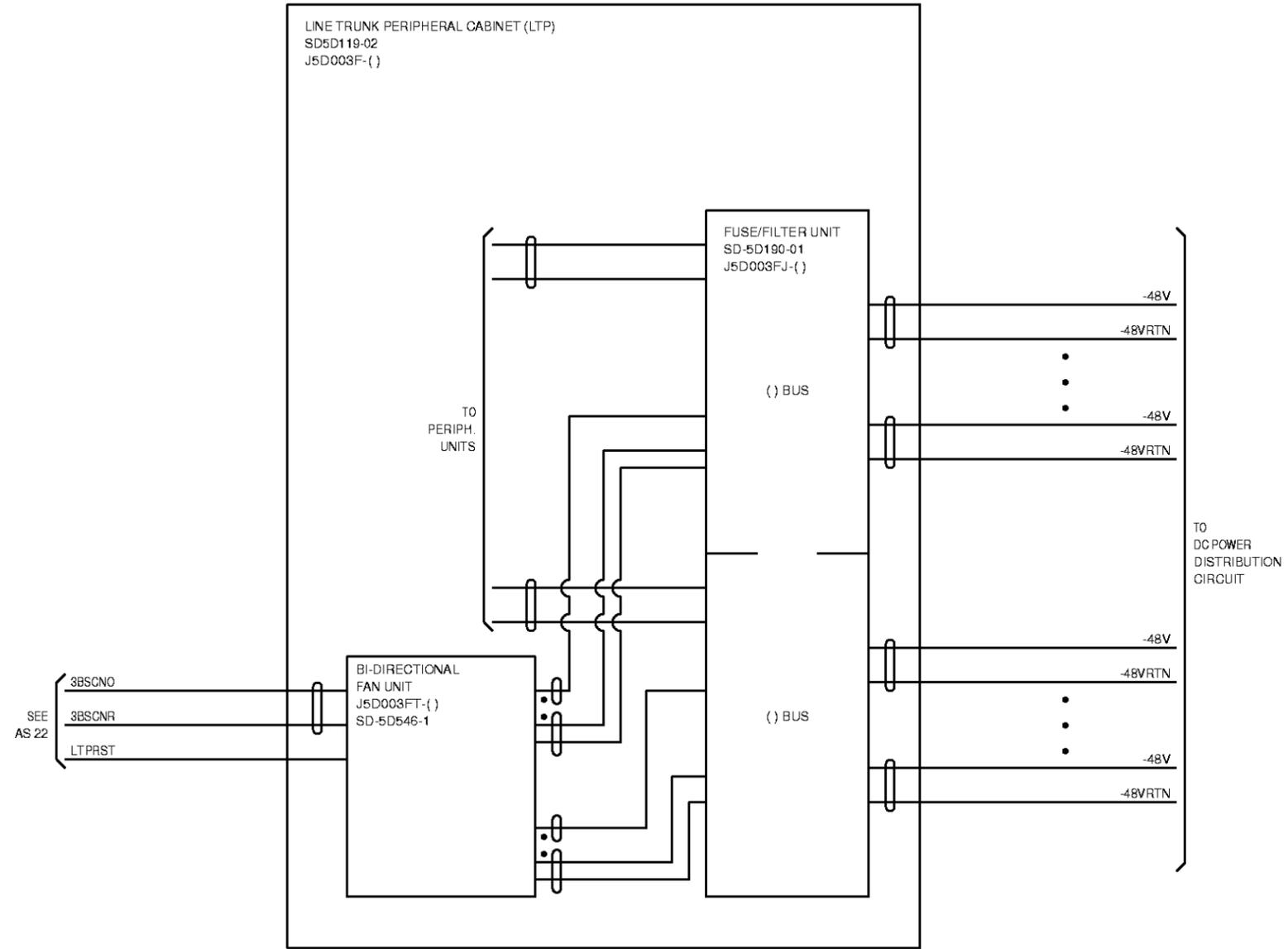


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
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# AS 4J

AIU GABINET



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B15C

# AS 5

TRUNK UNIT

DESCRIPTION

EACH TRUNK UNIT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES FOR TERMINATION OF UP TO 64 VOICE FREQUENCY TRUNK CIRCUITS. THESE TRUNKS MAY BE USED FOR INTEROFFICE TRUNKS AND/OR TRUNKS TO SWITCHBOARDS, OPERATOR POSITIONS AND ANNOUNCEMENT MACHINES.

CAPACITY

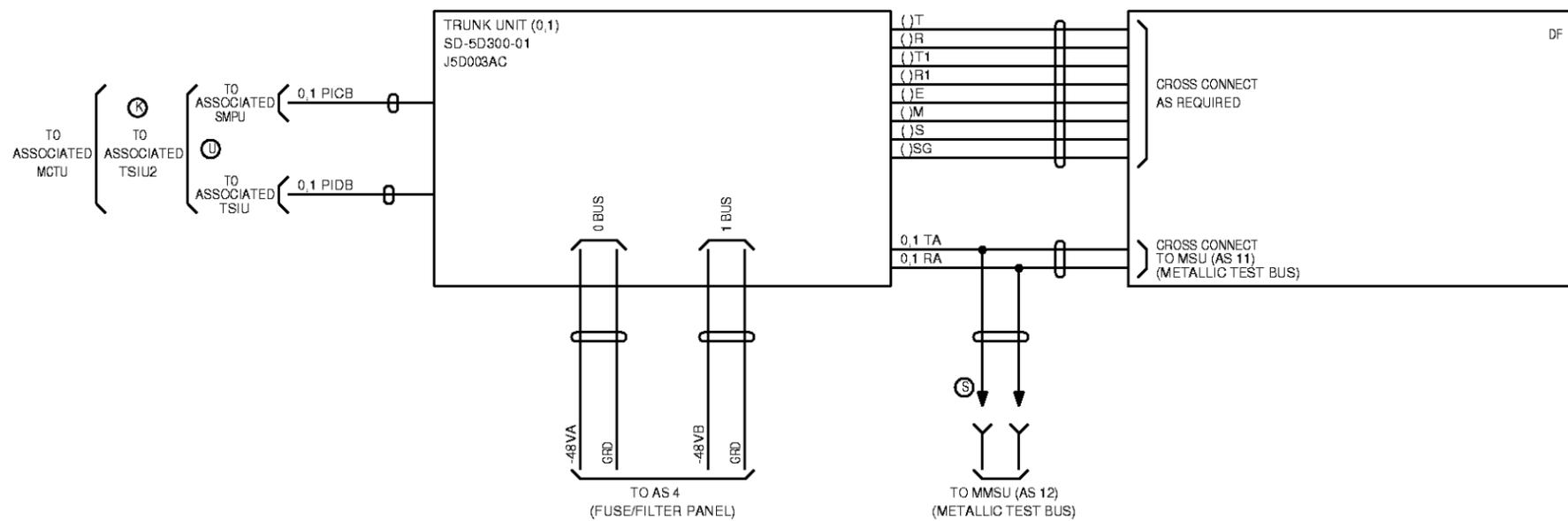
EACH UNIT CONTAINS TWO SIMPLEX SERVICE GROUPS CAPABLE OF TERMINATING 32 TRUNKS EACH.

FUSING REQUIREMENT

ONE 70D (5 AMP) FUSE PER POWER BUS PER UNIT. POWER BUS 0 CONNECTED TO SERVICE GROUP 0. POWER BUS 1 CONNECTED TO SERVICE GROUP 1.

SPECIFIC MOUNTING REQUIREMENTS

ANY AVAILABLE POSITION IN AN LTP CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B16

# AS 6

ANALOG TRUNK UNIT-EXPORT  
(ATUE)

DESCRIPTION

EACH ANALOG TRUNK UNIT EXPORT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES FOR TERMINATION OF UP TO 64 VOICE FREQUENCY TRUNK CIRCUITS. THESE TRUNKS MAY BE USED FOR INTEROFFICE TRUNKS AND/OR TRUNKS TO SWITCHBOARD, OPERATOR POSITIONS AND ANNOUNCEMENT MACHINES.

CAPACITY

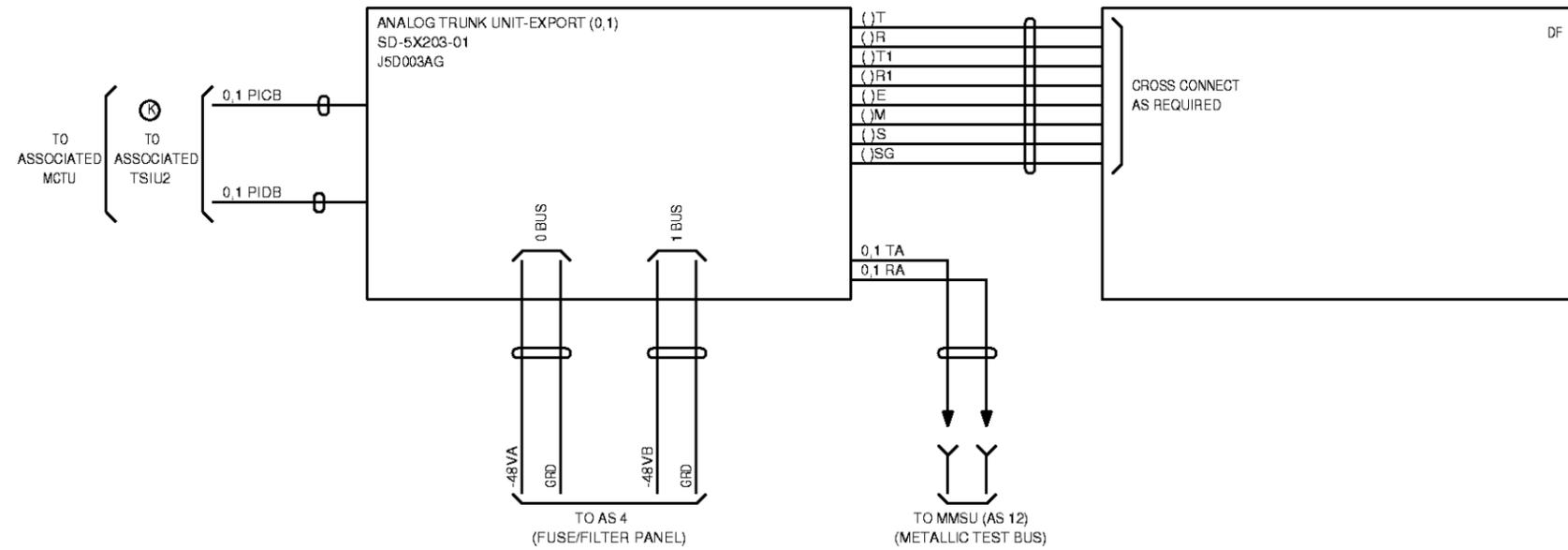
EACH UNIT CONTAINS TWO SIMPLEX SERVICE GROUPS CAPABLE OF TERMINATING 32 TRUNKS EACH.

FUSING REQUIREMENT

SEE SD-5X203-01 FOR FUSING REQUIREMENTS.

SPECIFIC MOUNTING REQUIREMENTS

ANY AVAILABLE POSITION IN AN LTP CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B17

# AS 7

DIGITAL LINE TRUNK UNIT  
(DLTU)

DESCRIPTION

EACH DLTU IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES FOR TERMINATION OF UP TO 10 T1 FACILITIES.

CAPACITY

EACH DLTU WILL ACCOMMODATE UP TO 10 T1 FACILITIES (240 TRUNKS).  
(SEE SD-5D007)

FUSING REQUIREMENT

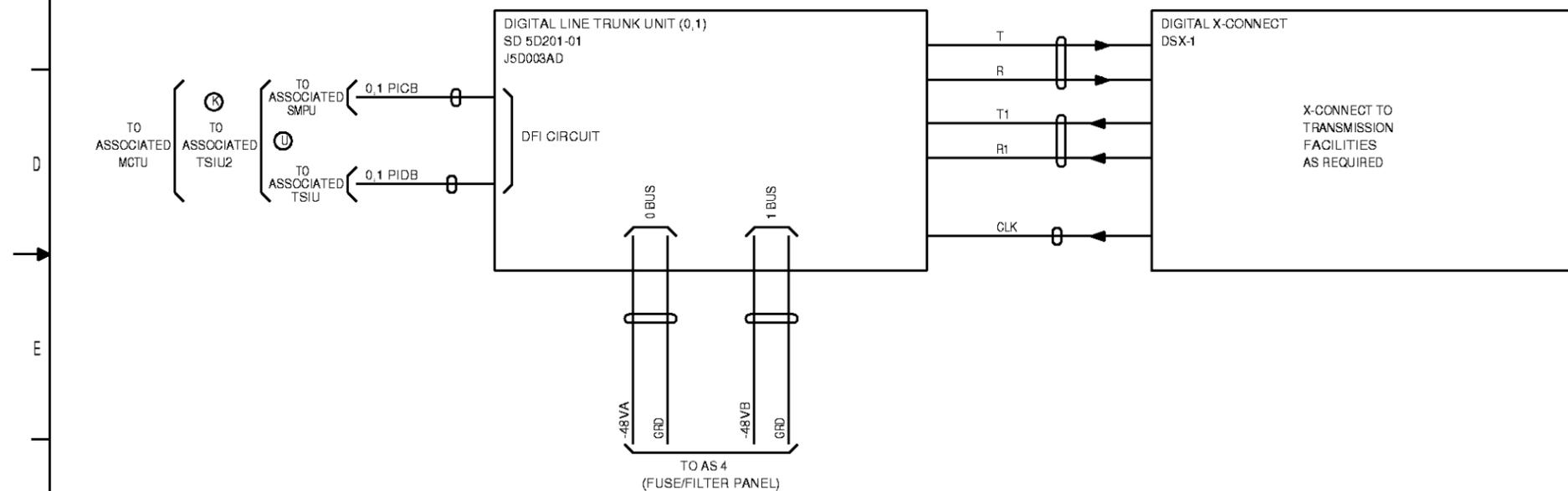
(SEE SD-5D201)

SPECIFIC MOUNTING REQUIREMENTS

THE RECOMMENDED PLACEMENT FOR THE DLTU IS IN ONE OF THE BOTTOM 2 EQUIPMENT POSITIONS IN AN LTP CABINET. THIS PLACEMENT MINIMIZES CABLE CONGESTION.

Ⓜ FOR RSM, SEE NOTE 213.

Ⓜ FOR SINGLE BAY TOLL SM, SEE NOTE 209.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B18

# AS 8

DIGITAL LINE TRUNK UNIT-EXPORT  
(DLTUE)

DESCRIPTION

EACH DLTUE EXPORT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES FOR TERMINATION OF UP TO 10 T1 FACILITIES.

CAPACITY

EACH DLTUE WILL ACCOMMODATE UP TO 10 T1 FACILITIES (240 TRUNKS).  
(SEE SD-5D007)

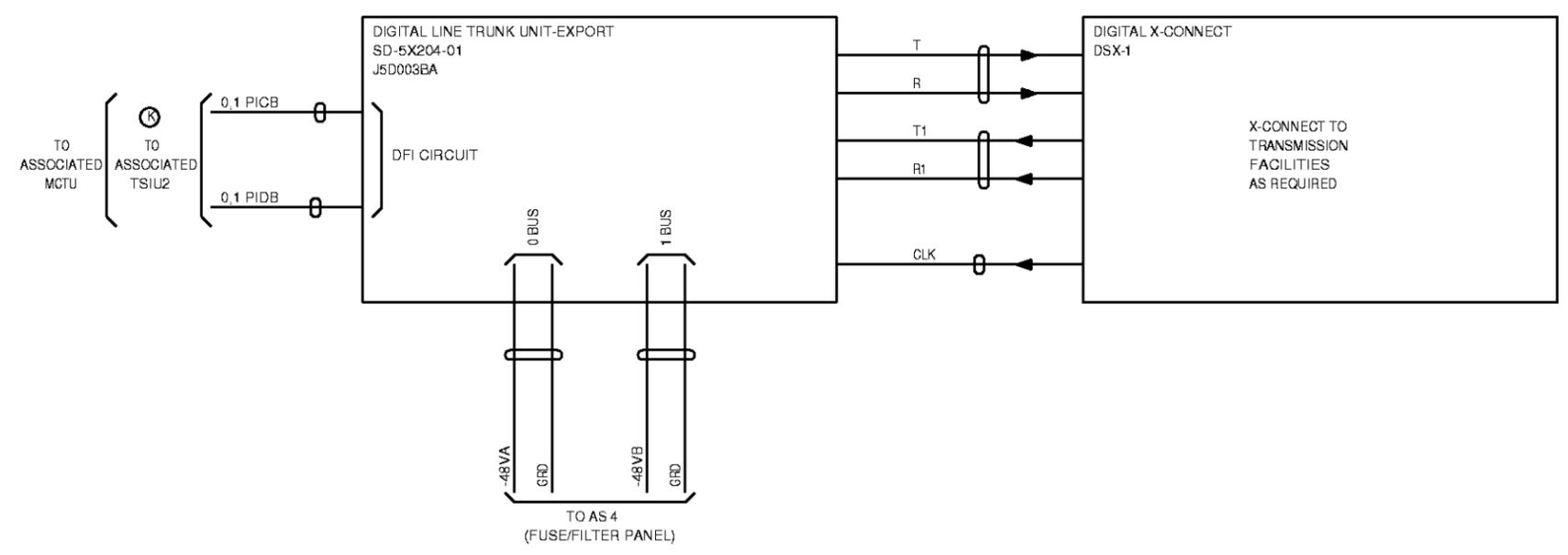
FUSING REQUIREMENT

(SEE SD-5X204-01)

SPECIFIC MOUNTING REQUIREMENTS

THE RECOMMENDED PLACEMENT FOR THE DLTUE IS IN ONE OF THE BOTTOM 2 EQUIPMENT POSITIONS IN AN LTP CABINET. THIS PLACEMENT MINIMIZES CABLE CONGESTION.

- Ⓜ FOR RSM, SEE NOTE 213.
- Ⓝ FOR SINGLE BAY TOLL SM, SEE NOTE 210.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B19

# AS 9

GLOBAL DIGITAL SERVICE UNIT  
(GDSU)

DESCRIPTION

EACH GLOBAL DSU IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES THE UNIVERSAL CONFERENCE AND TRANSMISSION TEST FACILITY FUNCTIONS.

CAPACITY

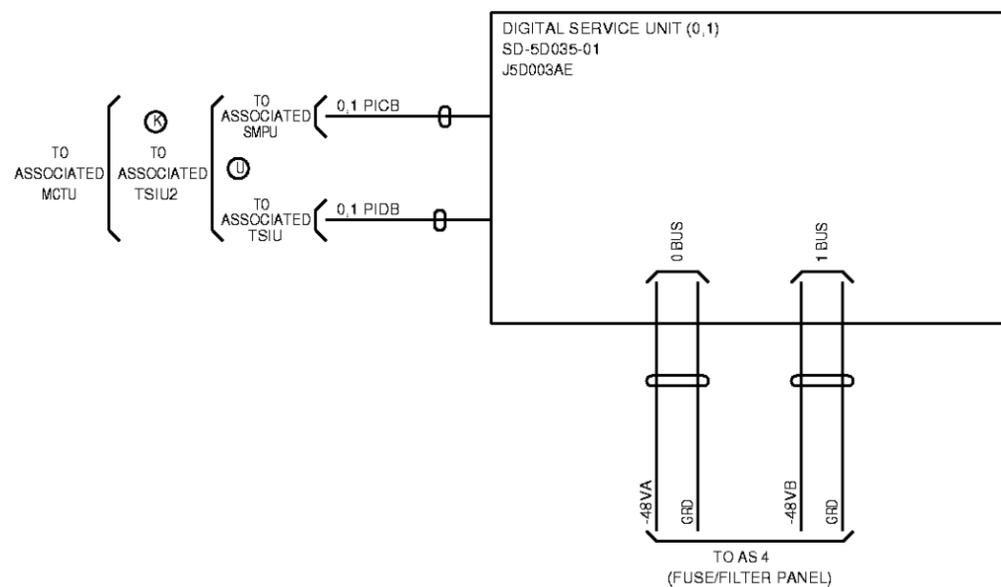
EACH GLOBAL DSU MAY CONTAIN A MAXIMUM OF 10 CONFERENCE CIRCUITS PER SERVICE GROUP OR 2 TRANSMISSION TEST FUNCTIONS PER SERVICE GROUP OR 1 TRANSMISSION TEST FUNCTION AND 8 CONFERENCE CIRCUITS PER SERVICE GROUP.

FUSING REQUIREMENT

TWO 70B (2 AMP) FUSES PER UNIT. POWER BUS 0 CONNECTED TO SERVICE GROUP 0. POWER BUS 1 CONNECTED TO SERVICE GROUP 1.

SPECIFIC MOUNTING REQUIREMENTS

ANY AVAILABLE POSITION IN AN LTP CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B20

# AS 10

GLOBAL DIGITAL SERVICE UNIT-EXPORT  
(GDSUE)

DESCRIPTION

EACH GLOBAL DSU-EXPORT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES THE UNIVERSAL CONFERENCE AND TRANSMISSION TEST FACILITY FUNCTIONS.

CAPACITY

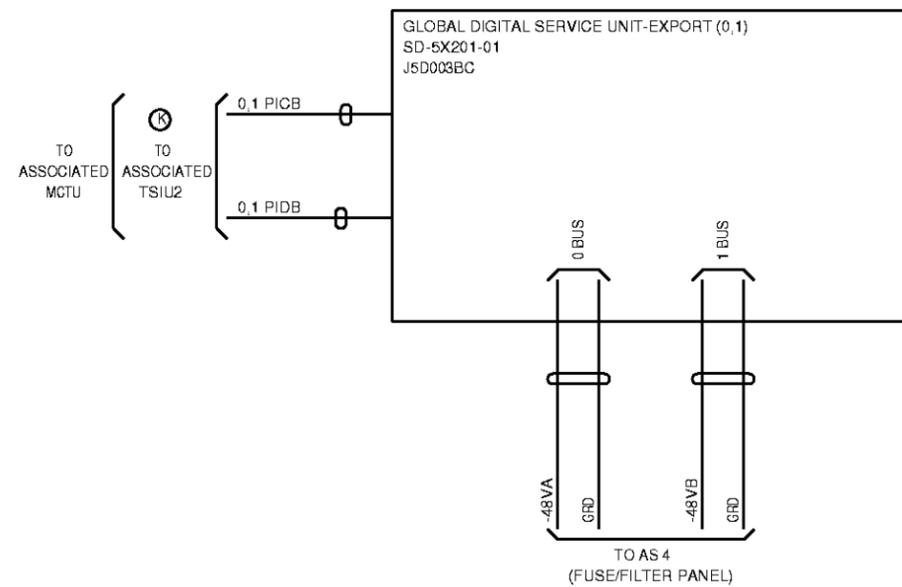
EACH GLOBAL DSU MAY CONTAIN A MAXIMUM OF 10 CONFERENCE CIRCUITS PER SERVICE GROUP OR 2 TRANSMISSION TEST FUNCTIONS PER SERVICE GROUP OR 1 TRANSMISSION TEST FUNCTION AND 8 CONFERENCE CIRCUITS PER SERVICE GROUP.

FUSING REQUIREMENT

SEE SD-5X201-01

SPECIFIC MOUNTING REQUIREMENTS

ANY AVAILABLE POSITION IN AN LTP CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B21

# AS 11

METALLIC SERVICE UNIT  
(MSU)

**NOTE:**

1. THE SD-5D033 WILL BE RATED 'A&M ONLY' UPON THE MANUFACTURE OF THE SD-5D015 (MMSU). SEE AS 12.

DESCRIPTION

EACH METALLIC SERVICE UNIT (MSU) CONSISTS OF TWO 8-1/2 INCH HIGH SHELVES. EACH SHELF IS A SERVICE GROUP HAVING SEPARATE POWER & PICB'S. THIS UNIT CAN BE EQUIPPED TO PROVIDE METALLIC ACCESS FUNCTIONS, SCAN & DISTRIBUTE FUNCTIONS, ALIT FUNCTIONS AND GDV COMPENSATION IN ANY COMBINATION.

CAPACITY

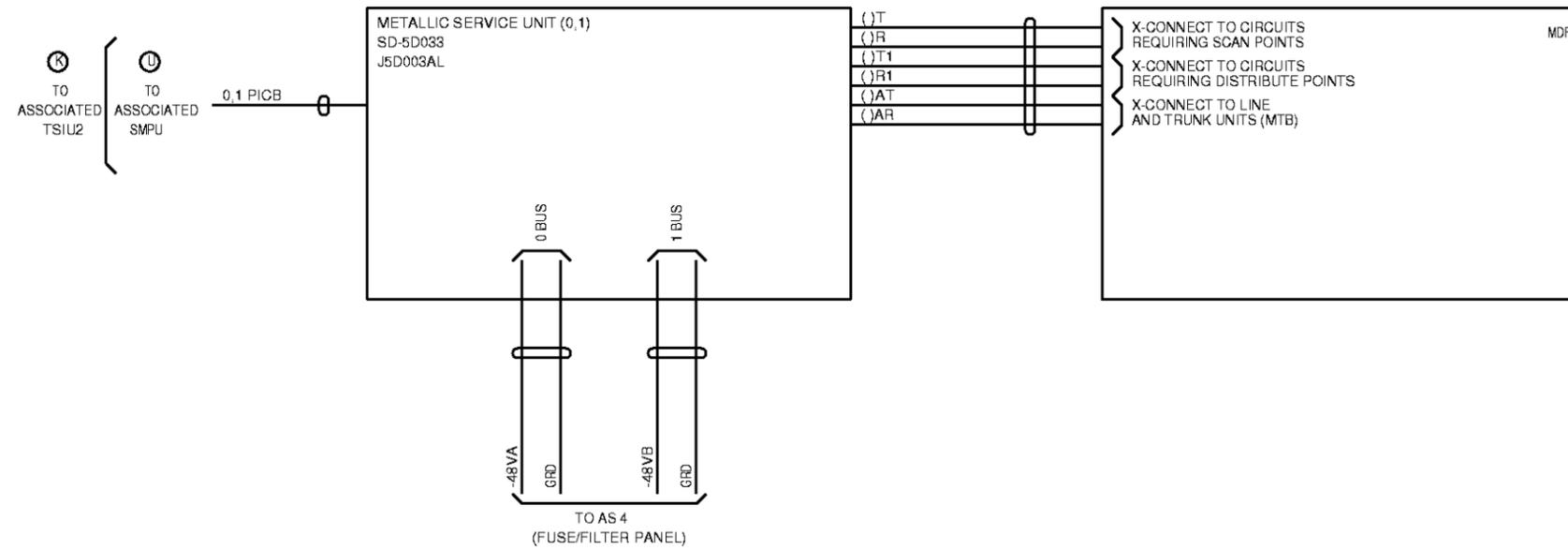
SEE SD-5D007-01

FUSING REQUIREMENT

SEE SD-5D033

SPECIFIC MOUNTING REQUIREMENTS

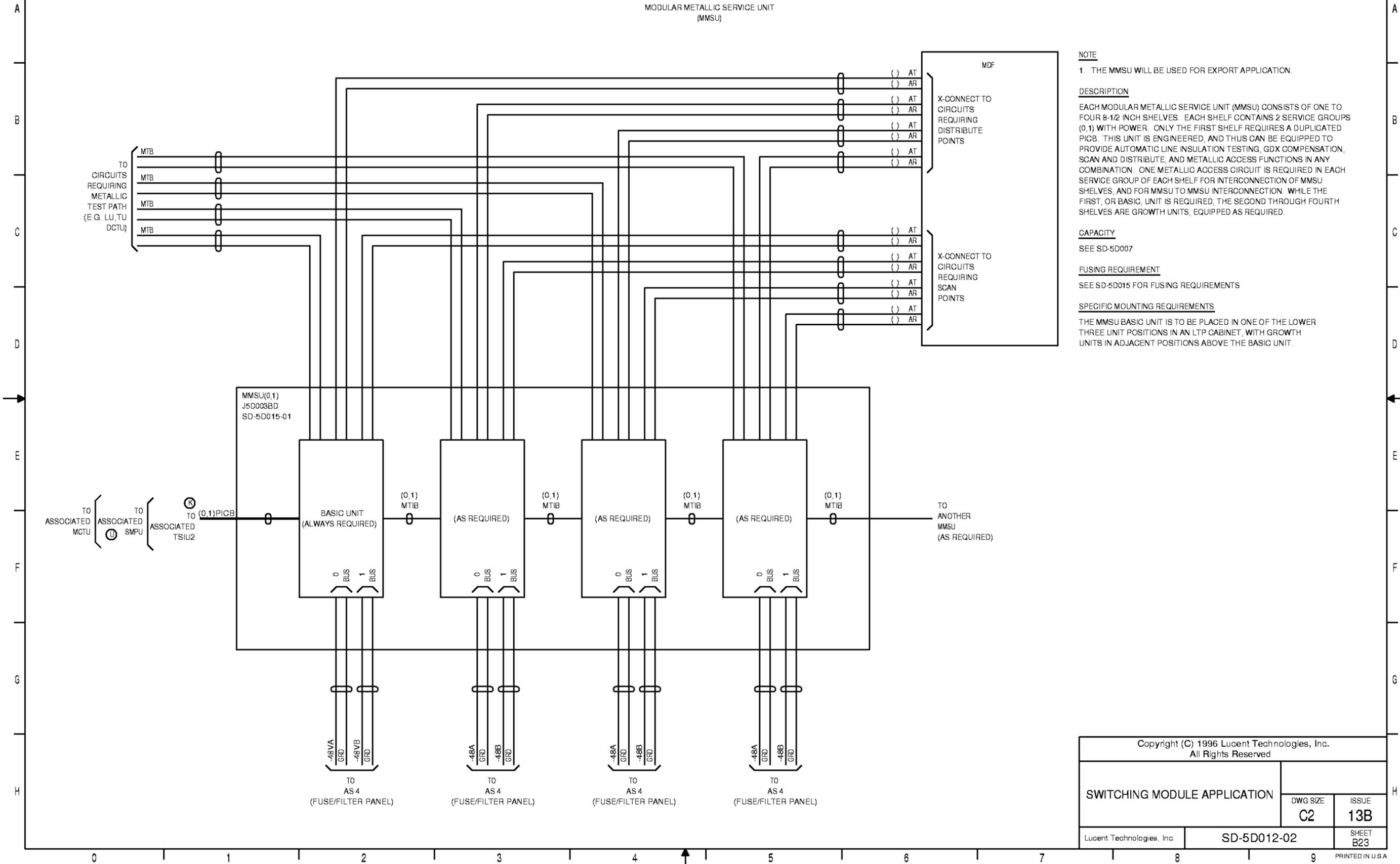
ANY AVAILABLE POSITION IN AN LTP CABINET.  
(2 CONSECUTIVE SHELVES)



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B22

# AS 12

MODULAR METALLIC SERVICE UNIT  
(MMSU)



**NOTE**  
1. THE MMSU WILL BE USED FOR EXPORT APPLICATION.

**DESCRIPTION**  
EACH MODULAR METALLIC SERVICE UNIT (MMSU) CONSISTS OF ONE TO FOUR 8-1/2 INCH SHELVES. EACH SHELF CONTAINS 2 SERVICE GROUPS (0,1) WITH POWER. ONLY THE FIRST SHELF REQUIRES A DUPLICATED PICB. THIS UNIT IS ENGINEERED, AND THUS CAN BE EQUIPPED TO PROVIDE AUTOMATIC LINE INSULATION TESTING, GDX COMPENSATION, SCAN AND DISTRIBUTE, AND METALLIC ACCESS FUNCTIONS IN ANY COMBINATION. ONE METALLIC ACCESS CIRCUIT IS REQUIRED IN EACH SERVICE GROUP OF EACH SHELF FOR INTERCONNECTION OF MMSU SHELVES, AND FOR MMSU TO MMSU INTERCONNECTION. WHILE THE FIRST, OR BASIC, UNIT IS REQUIRED, THE SECOND THROUGH FOURTH SHELVES ARE GROWTH UNITS, EQUIPPED AS REQUIRED.

**CAPACITY**  
SEE SD-5D007

**FUSING REQUIREMENT**  
SEE SD-5D015 FOR FUSING REQUIREMENTS

**SPECIFIC MOUNTING REQUIREMENTS**  
THE MMSU BASIC UNIT IS TO BE PLACED IN ONE OF THE LOWER THREE UNIT POSITIONS IN AN LTP CABINET, WITH GROWTH UNITS IN ADJACENT POSITIONS ABOVE THE BASIC UNIT.

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B23

# AS 13

LINE UNIT  
(LU)

**NOTES:**

1. THE SD-5D051 WILL BE RATED 'A&M ONLY' UPON THE MANUFACTURE OF THE SD-052-LU (AS 14).

**DESCRIPTION**

EACH LINE UNIT CONSISTS OF TWO 8-1/2 INCH HIGH SHELVES AND PROVIDES FOR TERMINATION OF UP TO 512 LINES. CONCENTRATION RATIOS OF 8:1, 6:1 AND 4.5:1 ARE AVAILABLE.

**CAPACITY**

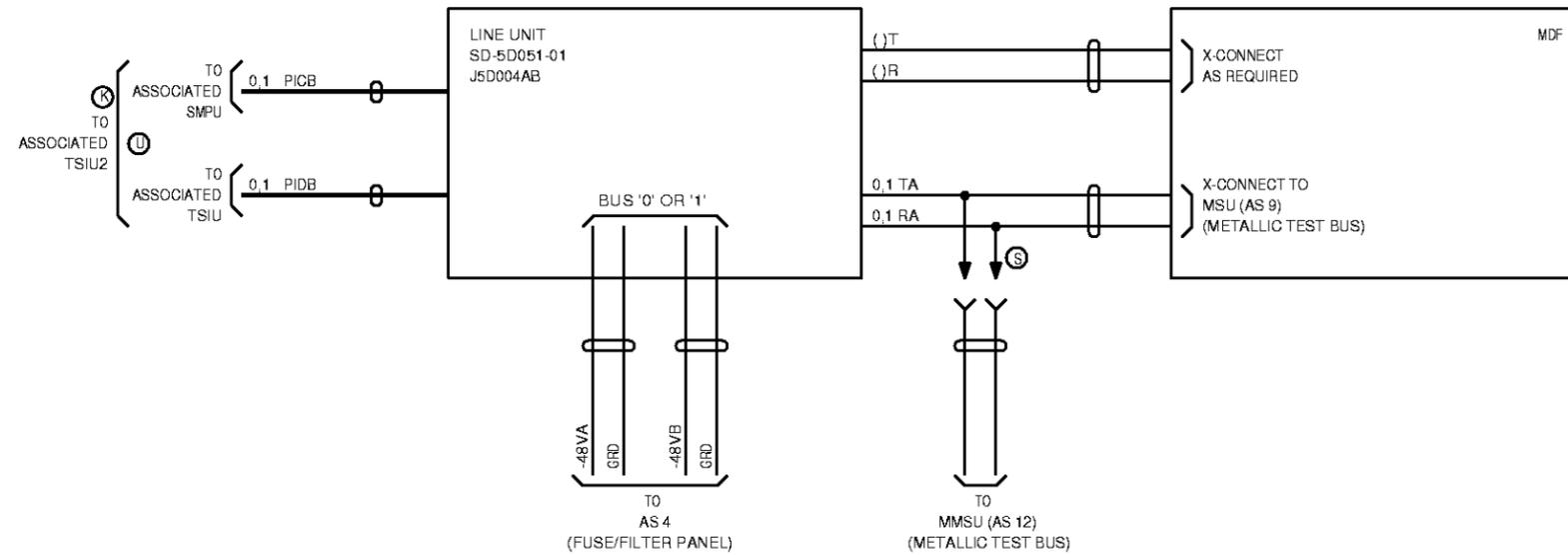
EACH LINE UNIT CAN TERMINATE UP TO 512 LINES AT AN 8:1 LCR OR 384 LINES AT A 6:1 LCR OR 256 LINES AT A 4.5:1 LCR.

**FUSING REQUIREMENTS**

SEE SD-5D051 FOR LU FUSING REQUIREMENTS. ALL FUSES ON SAME POWER BUS. EVEN NUMBERED LU'S ON A GIVEN SM CONNECT TO POWER BUS 0. ODD NUMBERED LU'S ON A GIVEN SM CONNECT TO POWER BUS 1.

**SPECIFIC MOUNTING REQUIREMENTS**

ANY AVAILABLE POSITION IN AN LTP CABINET (TWO CONSECUTIVE SHELVES).



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B24

# AS 14

LINE UNIT MODEL 2  
(LU2)

**NOTES:**

1. THE SD-5D052 LINE UNIT WILL SUPERCEDE THE SD-5D051 LINE UNIT. BOTH VERSIONS MAY BE EQUIPPED WITHIN ONE SWITCHING MODULE, WHICH MAY OCCUR IN GROWTH SITUATIONS.
2. THE SD-5D052-01 WILL BE USED FOR EXPORT APPLICATIONS.

**DESCRIPTION**

EACH LINE UNIT MODEL 2 CONSISTS OF TWO 8-1/2 INCH HIGH SHELVES AND PROVIDES FOR TERMINATION OF UP TO 512 LINES. CONCENTRATION RATIOS OF 8:1, 6:1 AND 4:1 ARE AVAILABLE.

**CAPACITY**

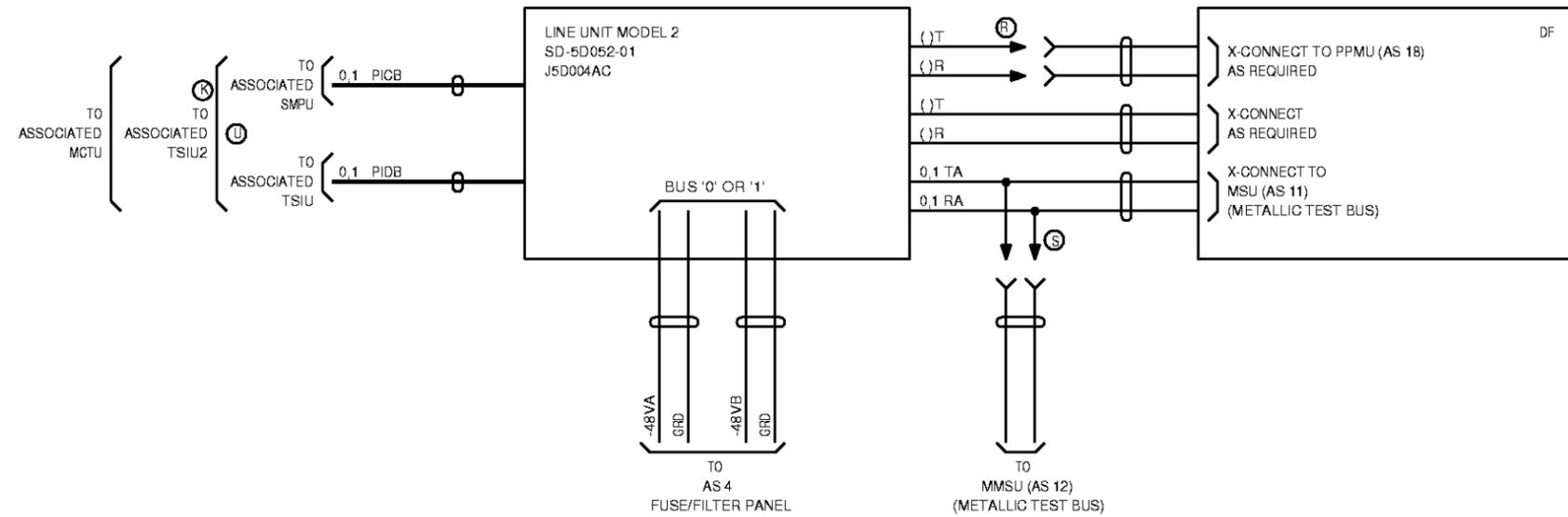
EACH LU2 CAN TERMINATE UP TO 512 LINES AT AN 8:1 LCR OR 364 LINES AT A 6:1 LCR OR 256 LINES AT A 4:1 LCR.

**FUSING REQUIREMENTS**

SEE SD-5D052 FOR LU FUSING REQUIREMENTS. ALL FUSES ON SAME POWER BUS. EVEN NUMBERED LU2'S ON A GIVEN SM CONNECT TO POWER BUS 0. ODD NUMBERED LU2'S ON A GIVEN SM CONNECT TO POWER BUS 1.

**SPECIFIC MOUNTING REQUIREMENTS**

ANY AVAILABLE POSITION IN AN LTP CABINET (TWO CONSECUTIVE SHELVES).

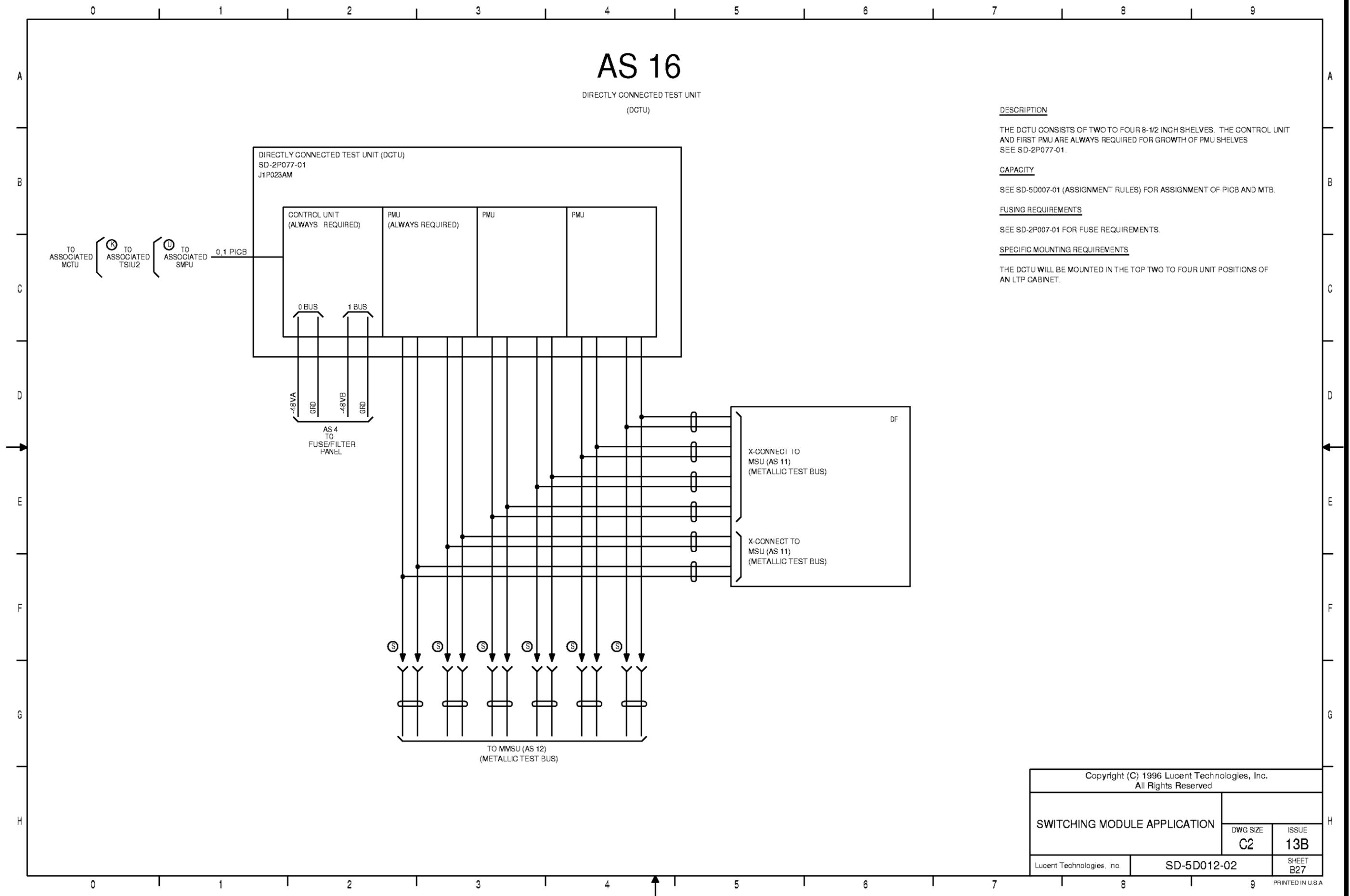


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B25



# AS 16

DIRECTLY CONNECTED TEST UNIT  
(DCTU)



DESCRIPTION

THE DCTU CONSISTS OF TWO TO FOUR 8-1/2 INCH SHELVES. THE CONTROL UNIT AND FIRST PMU ARE ALWAYS REQUIRED FOR GROWTH OF PMU SHELVES. SEE SD-2P077-01.

CAPACITY

SEE SD-5D007-01 (ASSIGNMENT RULES) FOR ASSIGNMENT OF PICB AND MTB.

FUSING REQUIREMENTS

SEE SD-2P007-01 FOR FUSE REQUIREMENTS.

SPECIFIC MOUNTING REQUIREMENTS

THE DCTU WILL BE MOUNTED IN THE TOP TWO TO FOUR UNIT POSITIONS OF AN LTP CABINET.

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B27

# AS 17

FACILITIES INTERFACE UNIT  
(FIU)

DESCRIPTION

EACH FACILITIES INTERFACE UNIT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES INTERCONNECTION FOR A RANGE OF 4 TO 20 DFIS IN THE DLTU. THIS UNIT IS EQUIPPED IN THE RSM.

A DUPLICATED FACILITY INTERFACE CONTROL BUS (FICB) AND A DUPLICATED FACILITY INTERFACE DATA BUS (FIDB) ARE REQUIRED FOR EACH DFI IN THE FIU. THESE REPLACE THE PICB AND PIDB NORMALLY ASSIGNED TO DFIS.

FUSING REQUIREMENT

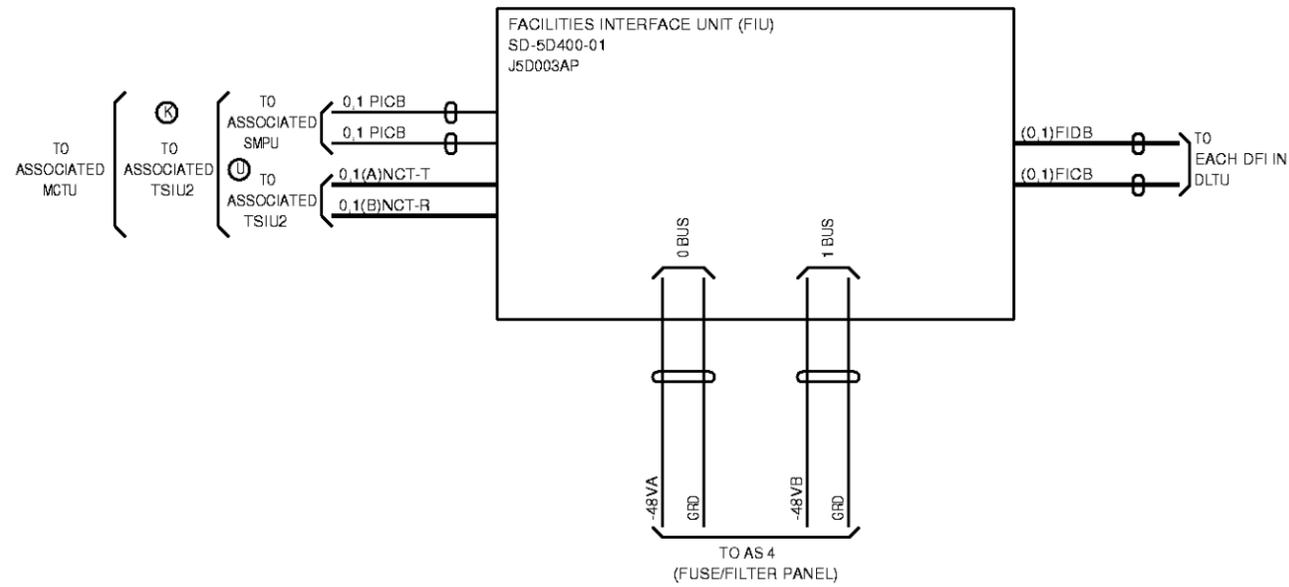
SEE SD-5D400-01 FOR FUSING REQUIREMENTS.

SPECIFIC MOUNTING REQUIREMENTS

THE FIU SHALL BE LOCATED IN THE POSITION DIRECTLY ABOVE THE TWO DLTU POSITIONS IN THE BAY 0 LTP OF AN RSM.

SEE NOTE 208.

PROVISION FOR THE FIU-DLTU CONFIGURATION IN BAY 0 OF AN SM IS RECOMMENDED IN ENGINEERING A MODULE WHICH IS INTENDED TO BE CONVERTER TO AN RSM.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B28

# AS 18

PERIODIC PULSE METERING UNIT  
(PPMU)

DESCRIPTION

EACH PPMU CONSISTS OF ONE 8-1/2 INCH HIGH SHELF. THE SHELF IS ONE SERVICE GROUP, AND REQUIRES ONE DUPLICATED PICB. THE PPMU PROVIDES SUBSCRIBER LINES WITH 12KHZ OR 16KHZ TONE PULSING OR BATTERY REVERSAL PULSING.

CAPACITY

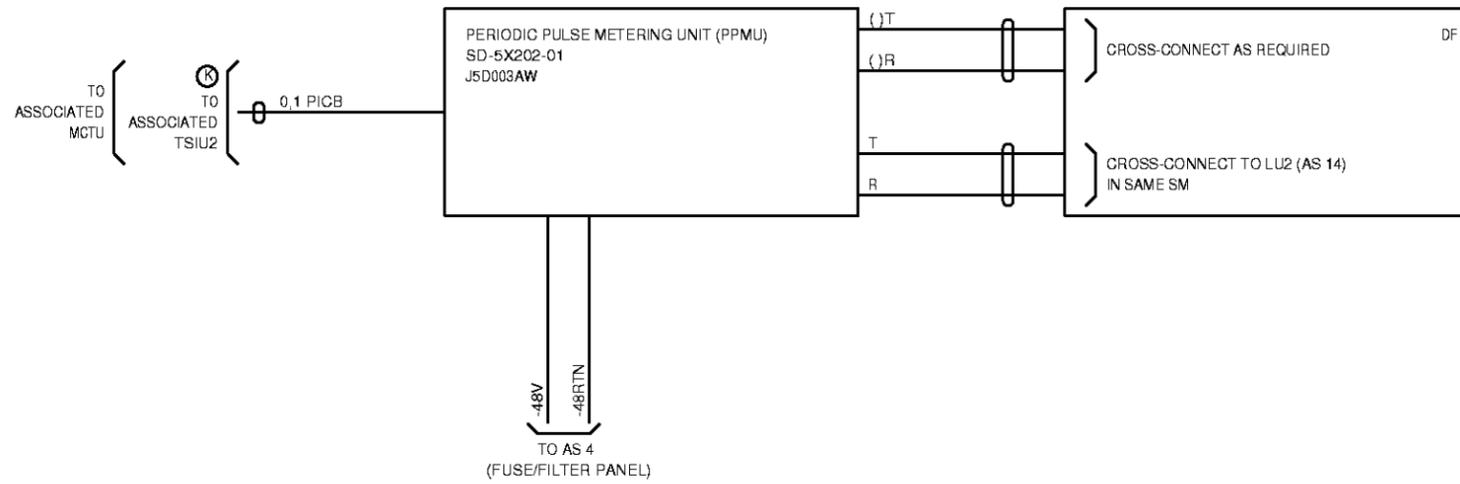
THE PPMU SERVES UP TO 64 SUBSCRIBER LINES, ASSOCIATED WITH UP TO 4 LU'S.

FUSING REQUIREMENTS

SEE SD-5X202-01 FOR PPMU FUSING REQUIREMENTS.

SPECIFIC MOUNTING REQUIREMENTS

ANY AVAILABLE POSITION IN AN LTP CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B29

# AS 19

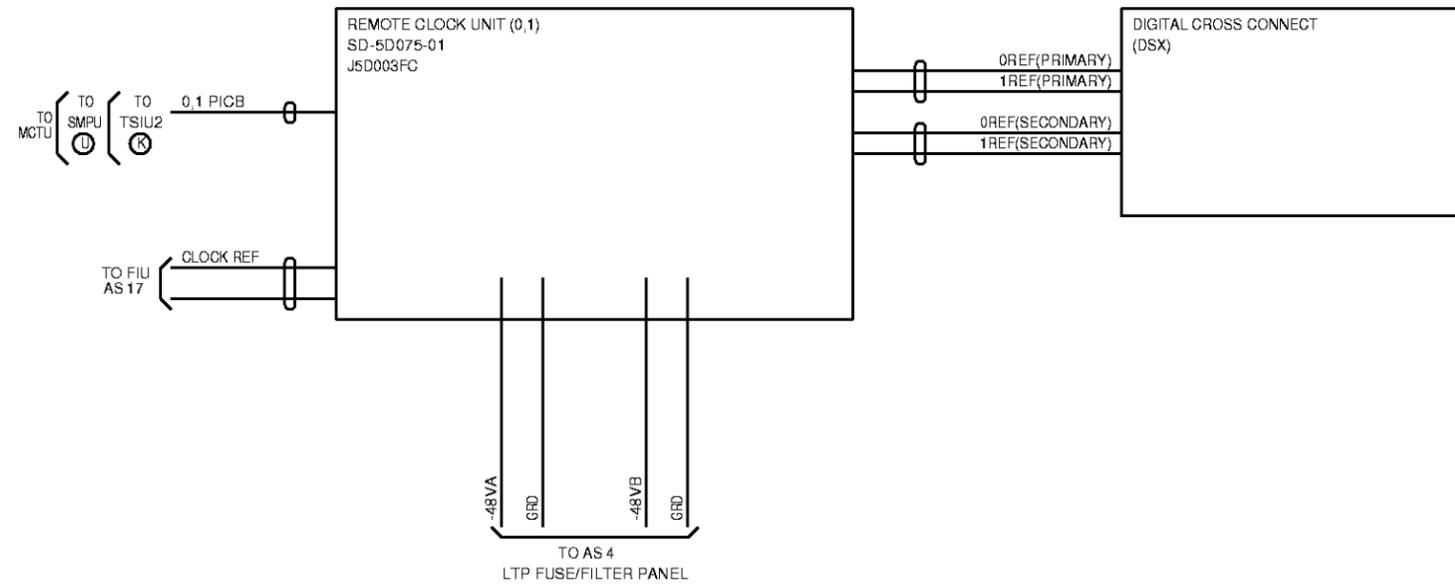
REMOTE CLOCK UNIT  
(RCU)

DESCRIPTION

THE REMOTE CLOCK UNIT IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES A STRATUM 3 CLOCK FOR AN RSM. THE RCU IS AN OPTION, TO BE EQUIPPED IN THE MULTI-MODULE RSM, OR IN THE RSM THAT WILL TERMINATE DIGITAL TRUNKS.

SPECIFIC MOUNTING REQUIREMENTS

WHEN REQUIRED, THE RCU MUST BE PLACED IN THE UNIT POSITION DIRECTLY ABOVE THE FIU IN BAY 0 OF THE RSM. PROVISION FOR THIS UNIT SHALL BE MADE AT THE TIME THE RSM IS ENGINEERED IF MULTI-RSM OR DIGITAL TRUNK TERMINATION IS ANTICIPATED.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B30

# AS 20

MEMORY EXPANSION UNIT  
(MEU)

**DESCRIPTION**

THE MEMORY EXPANSION UNIT IS AN 8-1/2 INCH HIGH UNIT CAPABLE OF HOUSING MEMORY PLANES FOR THE INTERFACE MODULE. IT IS REQUIRED TO BE EQUIPPED IN THE SMC IN EITHER OF THE FOLLOWING CASES:

1. SM MEMORY EXCEEDS 5 MEGABYTES WITH TN28'S (1 MEGABYTE PLANES).
2. SM MEMORY EXCEEDS 10 MEGABYTES WITH TN56'S (2 MEGABYTE PLANES).

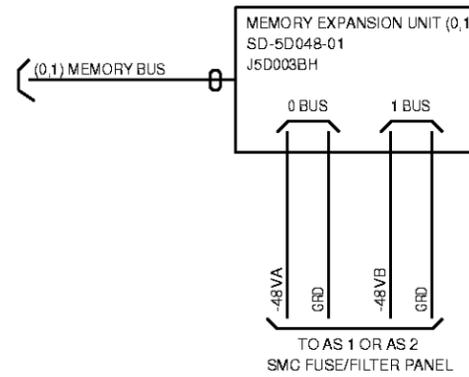
THE MEU CONSISTS OF A 0 SIDE AND A 1 SIDE, CORRESPONDING TO THE DUPLICATED TSU/IMPU, WITH EACH SIDE BEING THE MIRROR IMAGE OF THE OTHER.

**CAPACITY**

THE MEU CAN PHYSICALLY HOUSE 20 MEMORY PLANES. (I.E. 10 DUPLICATED PLANES).

**SPECIFIC MOUNTING REQUIREMENTS**

THE MEU SHALL BE EQUIPPED, WHEN REQUIRED, IN THE SMC CABINET UNIT POSITION DIRECTLY BELOW THE SMPJ2 OR MCTU.

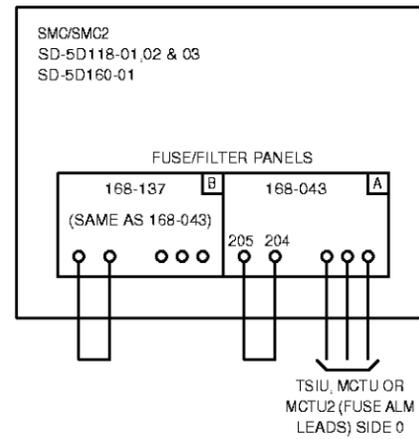


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B31

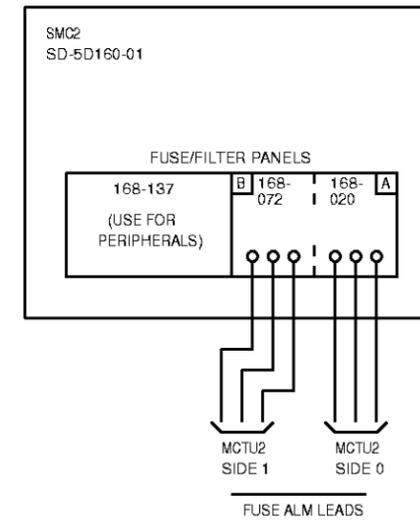
# AS 21A

SWITCHING MODULE FUSE ALARM  
INTERCONNECTION

SINGLE BAY SM



OPTIONAL SMC2 CONFIGURATION

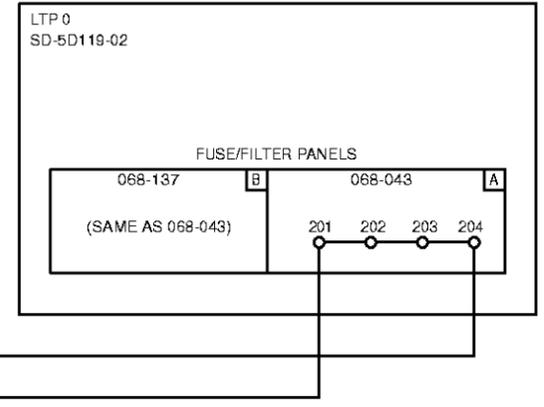
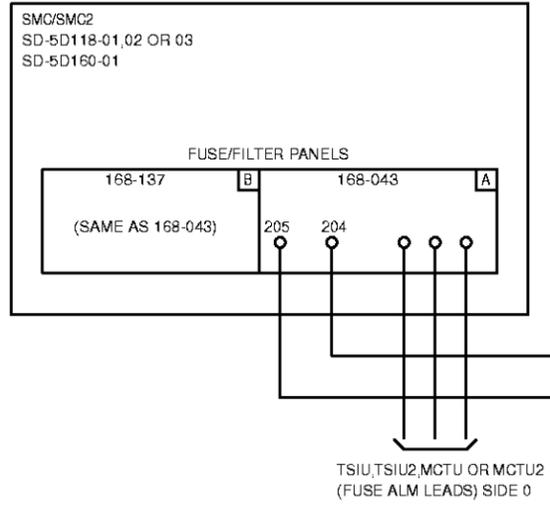
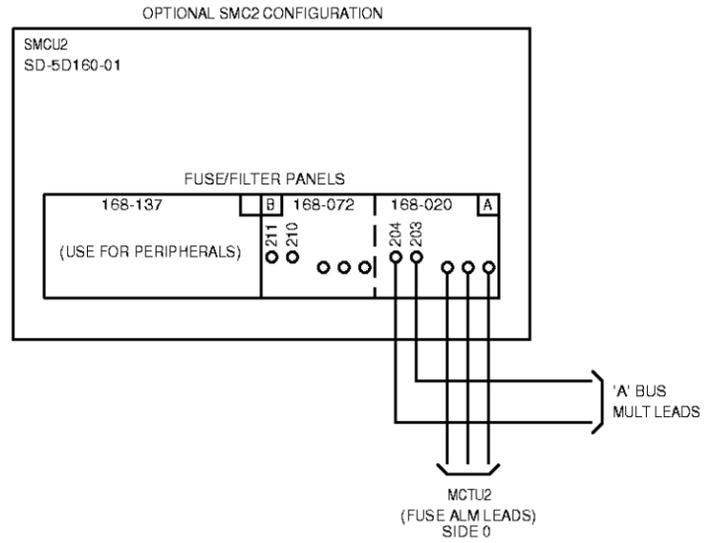


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B32

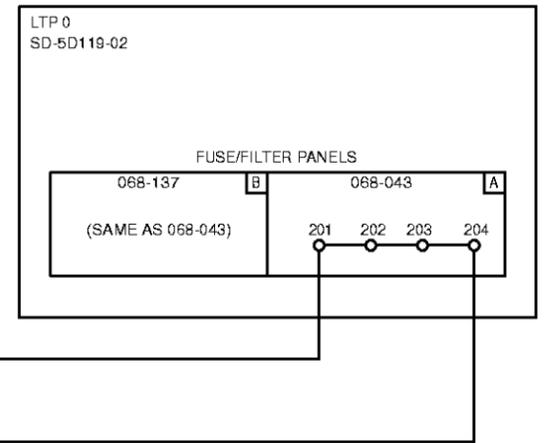
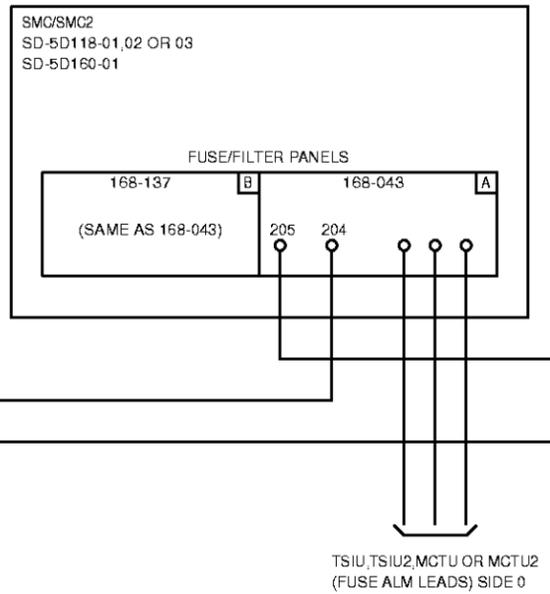
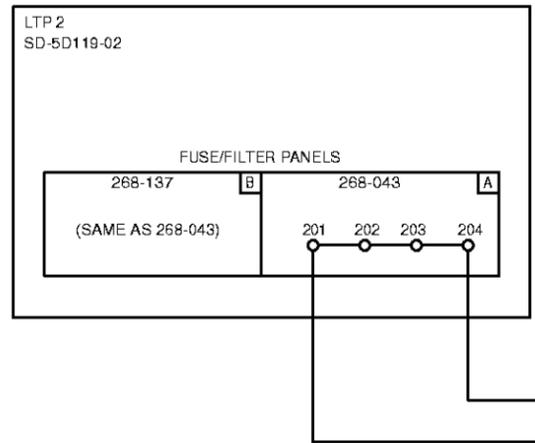
PRINTED IN U.S.A.

# AS 21B

INTER BAY FUSE ALARM LEADS



FOR ONE-LTP CONFIGURATION:

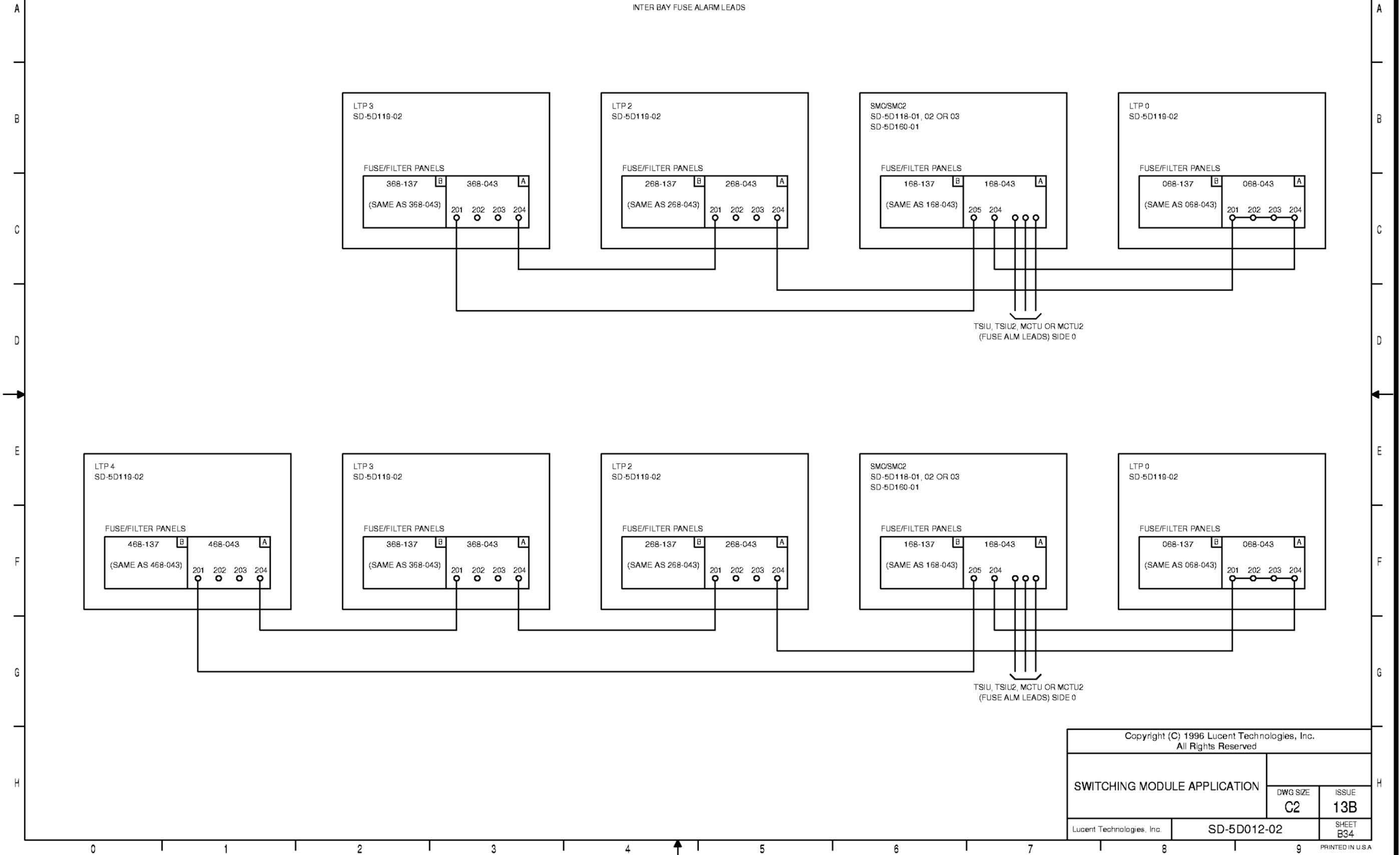


FOR TWO-LTP CONFIGURATION:

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B33

# AS 21C

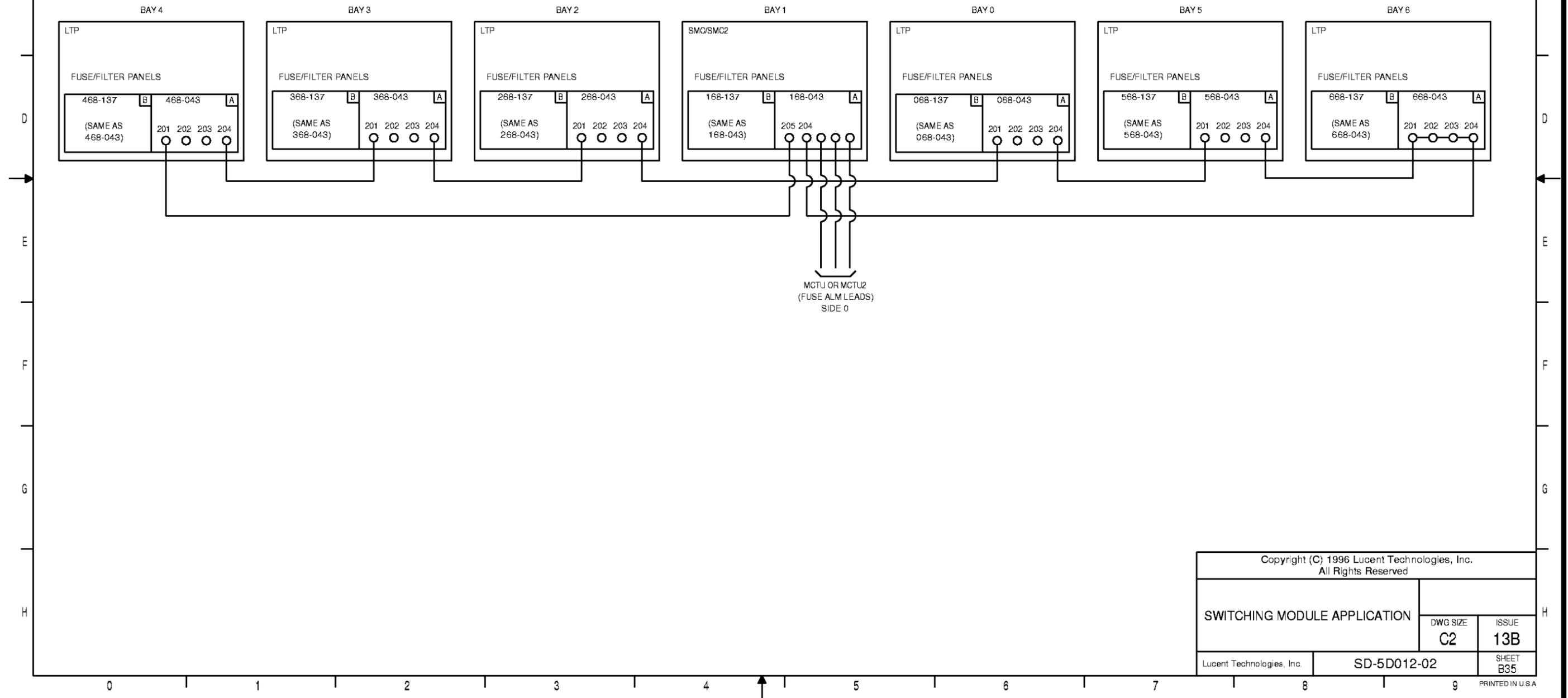
INTER BAY FUSE ALARM LEADS



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B34

# AS 21D

EXPORT ONLY  
6 LTP INTER BAY FUSE ALARM LEADS

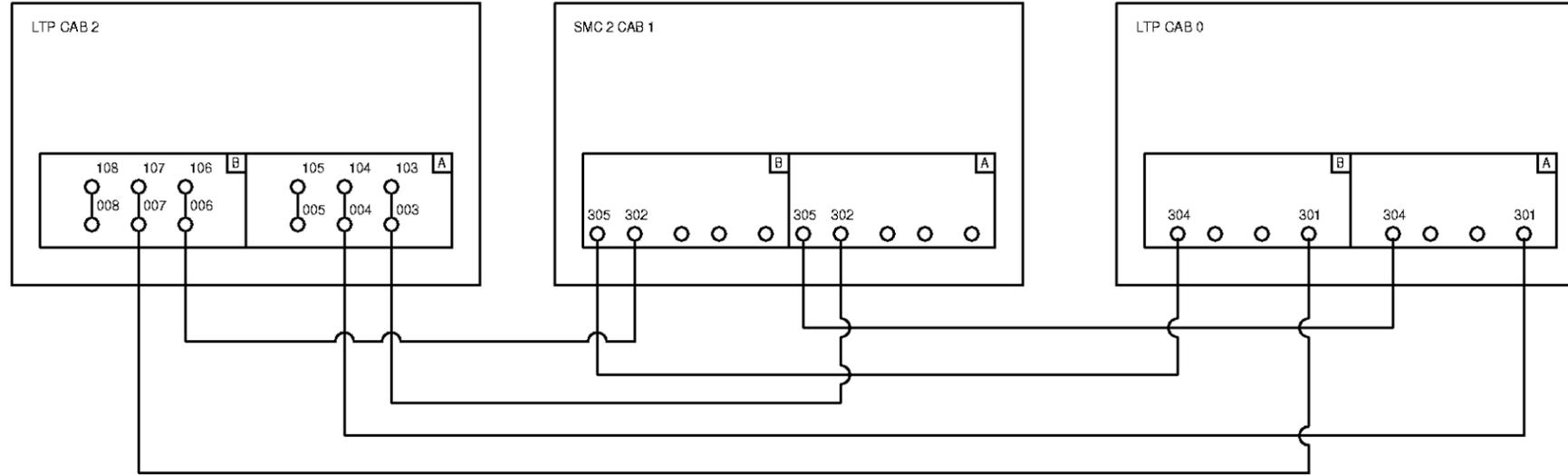


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B35

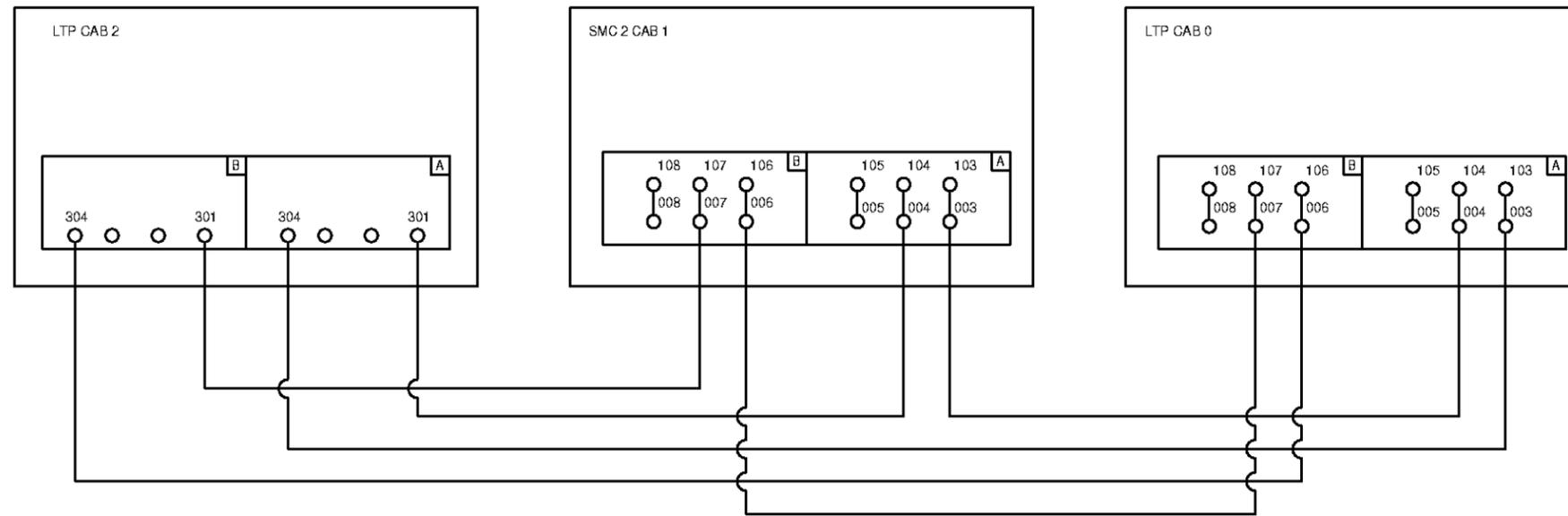
# AS 21E

INTER CABINET FUSE ALARM LEADS  
(F/F UNIT J5D003AU/BT TO J5D003FJ)

LTP EQUIPPED WITH J5D003FJ-( ) F/F UNIT



SMC2 EQUIPPED WITH J5D003FJ-( ) F/F UNIT

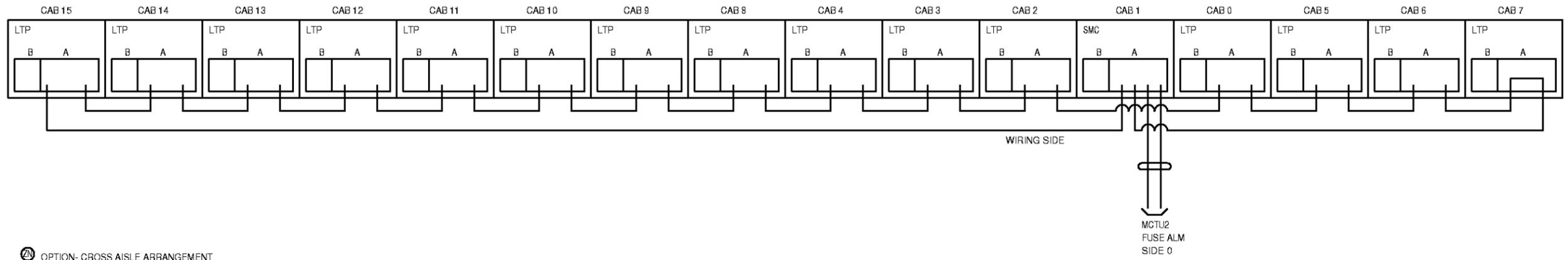


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B36

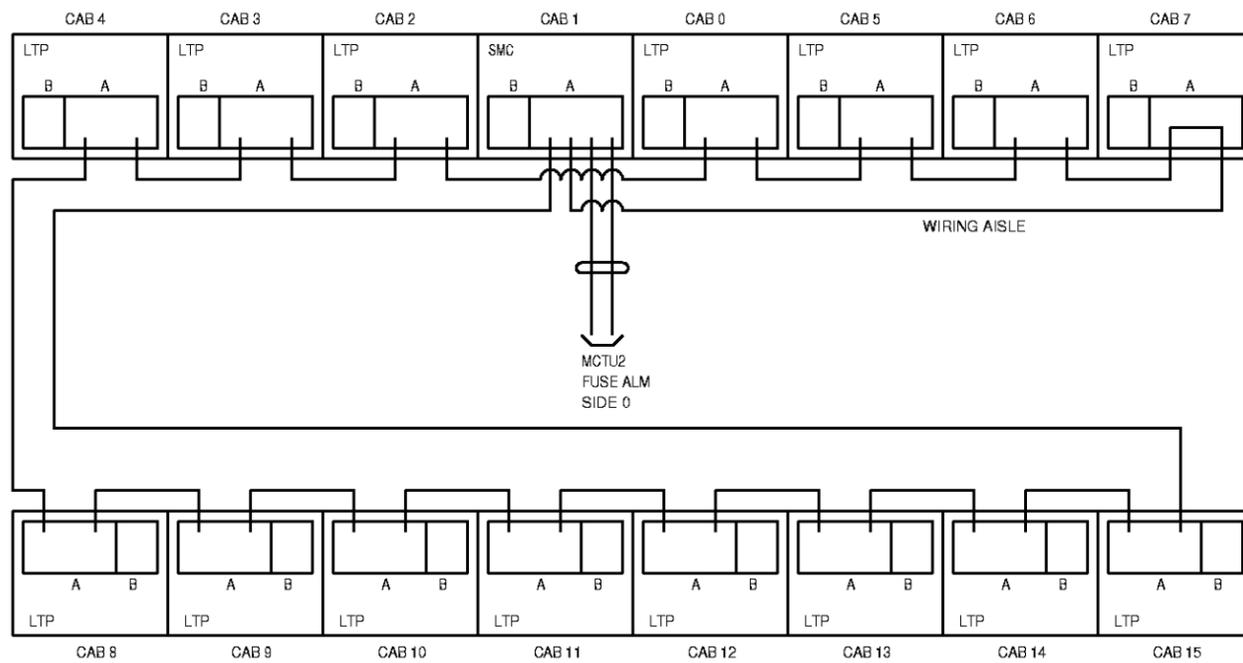
# AS 21F

INTER CABINET FUSE ALARM LEADS  
(INTERNATIONAL ONLY APPLICATION)

OPTION- SINGLE LINE-UP



OPTION- CROSS AISLE ARRANGEMENT



NOTES:  
1. "B" SIDE SIMILAR TO "A" EXCEPT IT GOES TO MCTU2 SIDE 1 FUSE ALARM.

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SWITCHING MODULE APPLICATION	DWG SIZE <b>C2</b>	ISSUE <b>13B</b>
Lucent Technologies, Inc.	SD-5D012-02	SHEET B37

# AS 22A

INTER BAY FAN UNIT ALARM SCAN/DISTRIBUTE CONNECTIONS

NOTES:

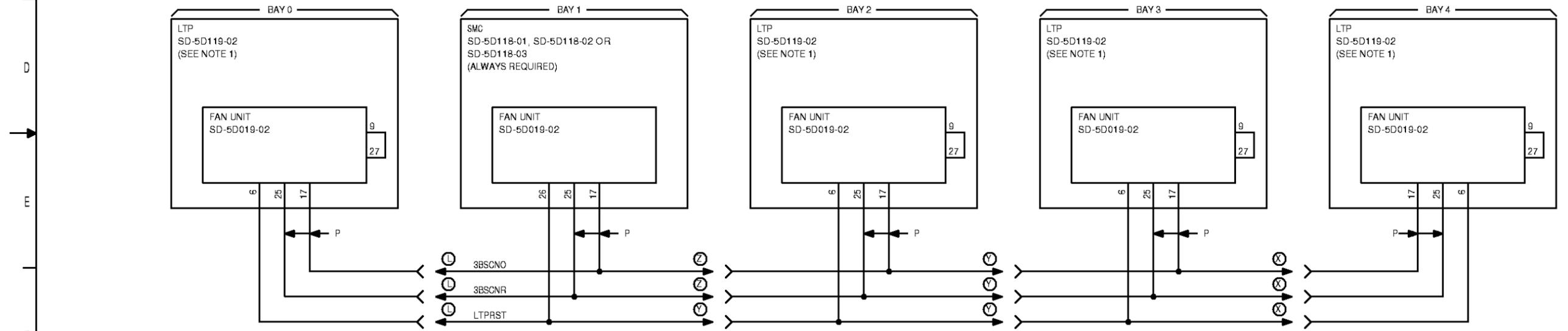
1. THE WIRING OPTIONS (Z, Y, X) ARE CUMULATIVE, DEPENDENT UPON THE NUMBER OF LTP CABINETS REQUIRED WITHIN THE SWITCHING MODULE;

FOR 1 LTP USE OPTION L.

FOR 2 LTP'S USE OPTIONS L AND Z.

FOR 3 LTP'S USE OPTIONS L, Z AND Y.

FOR 4 LTP'S USE OPTIONS L, Z, Y AND X.



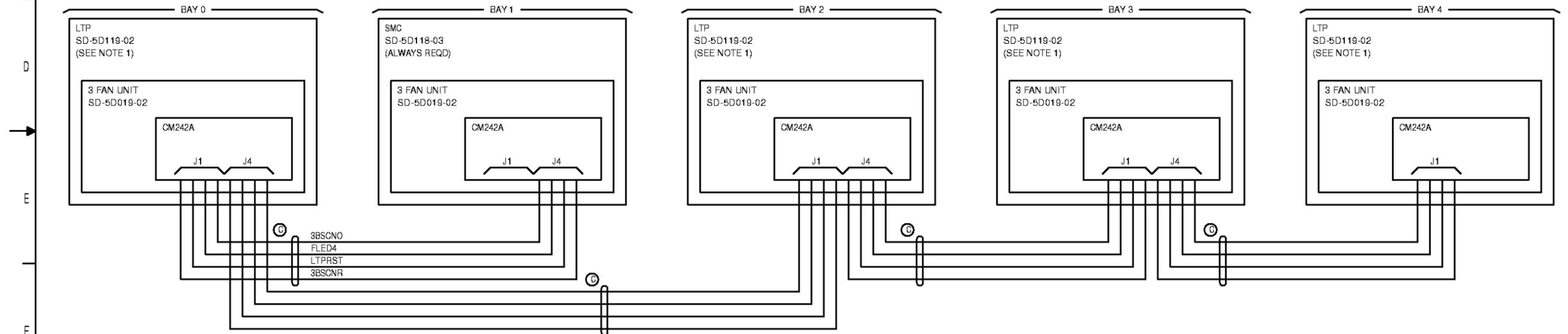
Copyright (C) 1996 Lucent Technologies, Inc. All Rights Reserved		
SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B38

# AS 22B

INTER CABINET 3 FAN UNIT ALARM SCAN/DISTRIBUTE CONNECTIONS  
(3 FAN UNIT E/W CONNECTORIZED ALARM BOARD)

NOTE:

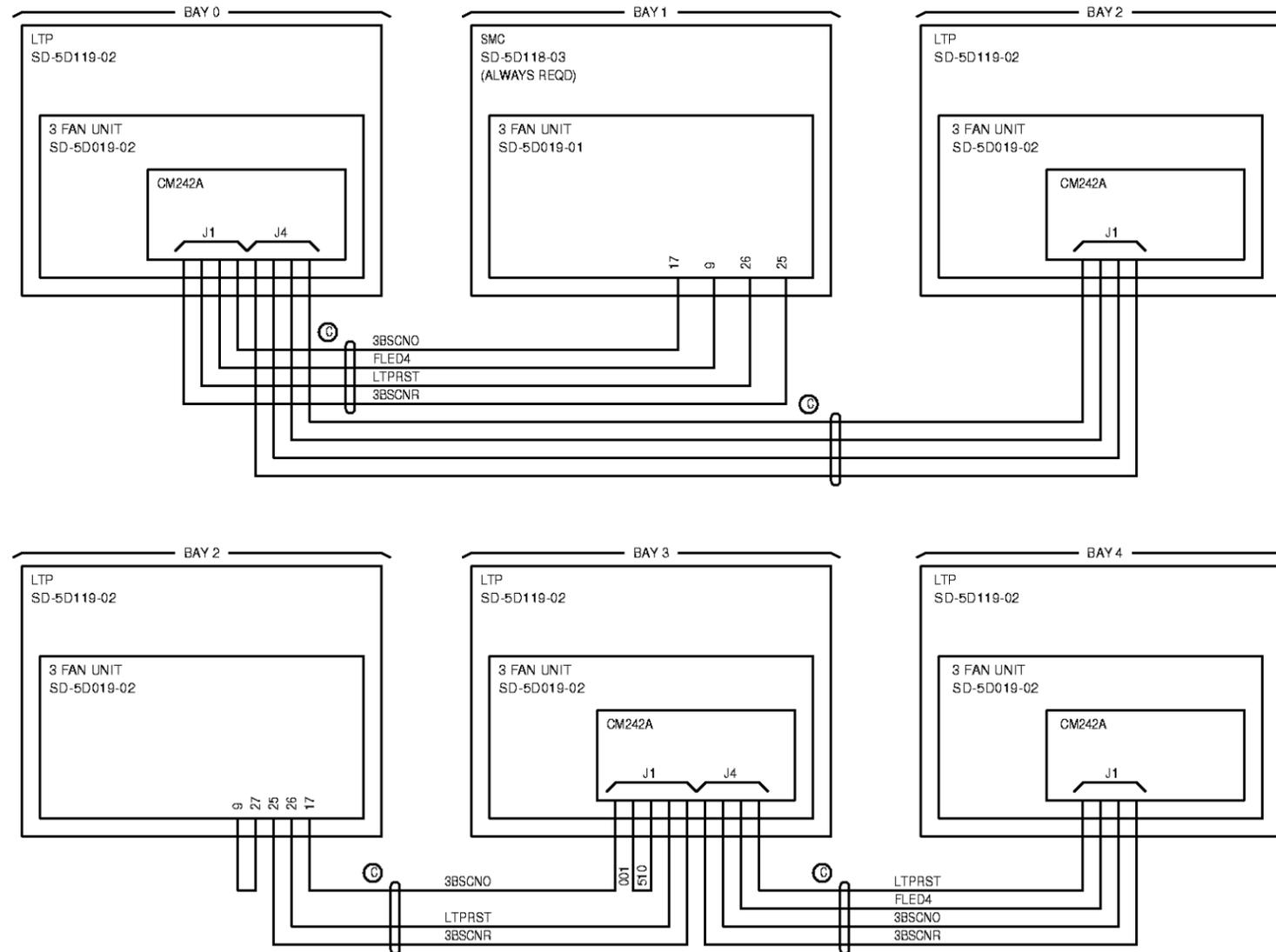
1. THE CABLING OPTION  $\text{\textcircled{C}}$  IS CUMULATIVE, DEPENDENT UPON THE NUMBER OF LTP CABINETS REQUIRED WITHIN THE SM.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B39

# AS 22C

INTER CABINET ALARM SCAN/DISTRIBUTE CONNECTION VARIATION  
(CONNECTORIZED ALARM BOARD TO WIREWRAP ALARM BOARD)

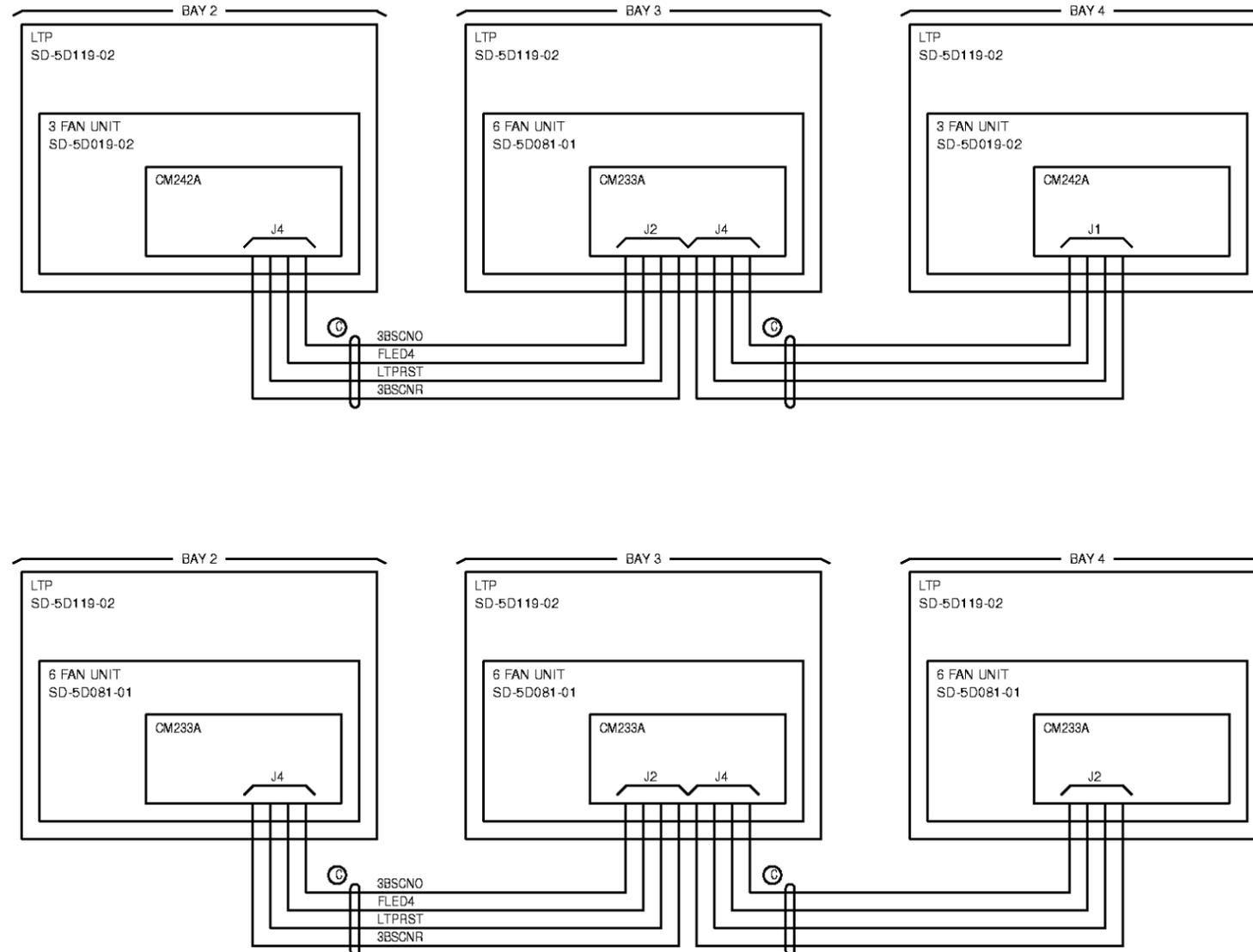


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B40

# AS 22D

INTER CABINET ALARM SCAN/DISTRIBUTE CONNECTION VARIATIONS

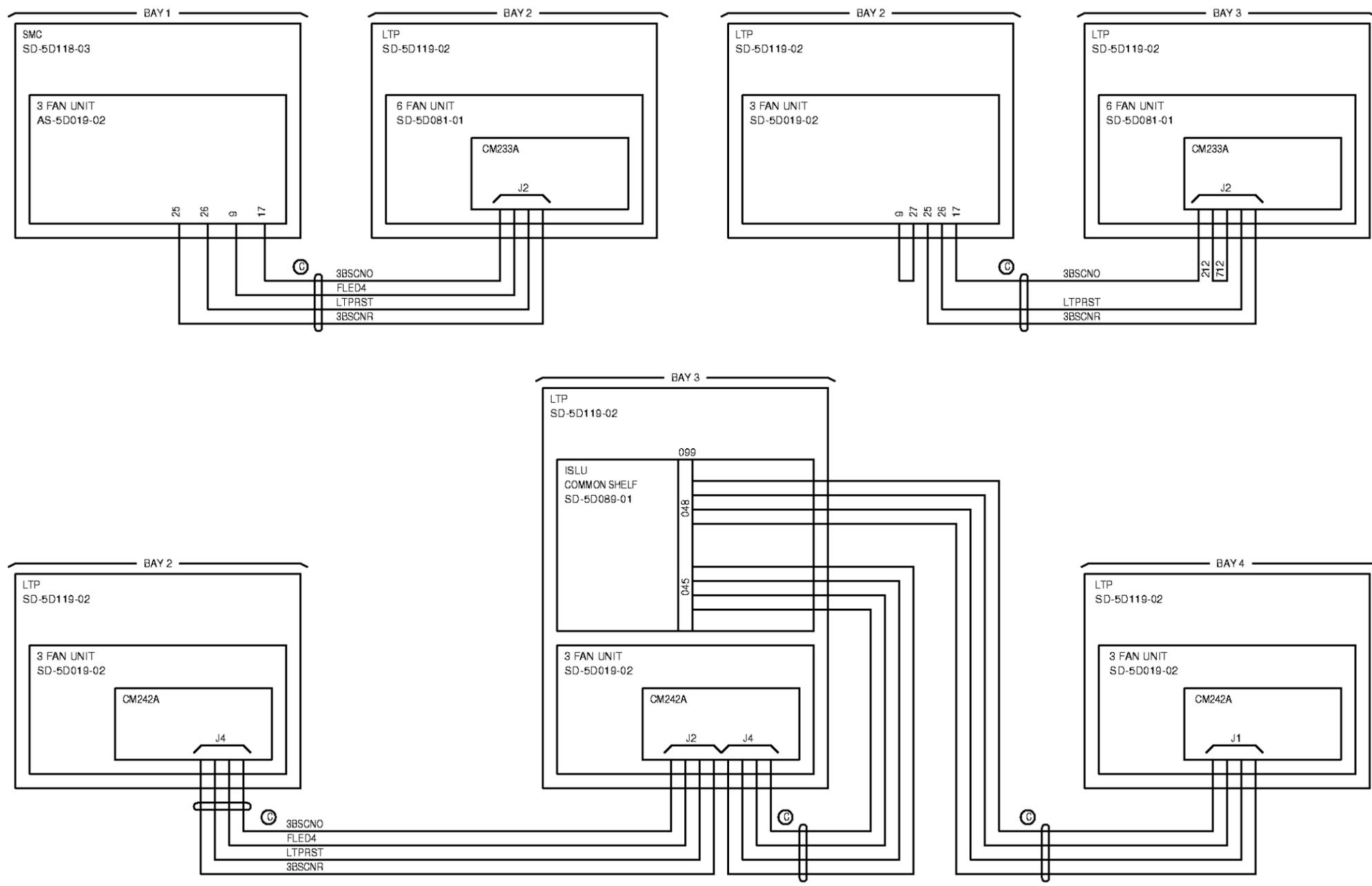
1. (3 FAN UNITS TO 6 FAN UNITS)
2. (6 FAN UNITS TO 3 FAN UNITS)



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B41

# AS 22E

INTER CABINET ALARM SCAN/DISTRIBUTE CONNECTION VARIATION  
 1. (3 FAN UNITS (WIREWRAPE ALARM BOARDS) TO 6 FAN UNITS)  
 2. (3 FAN UNIT TO ISLU CABINET)



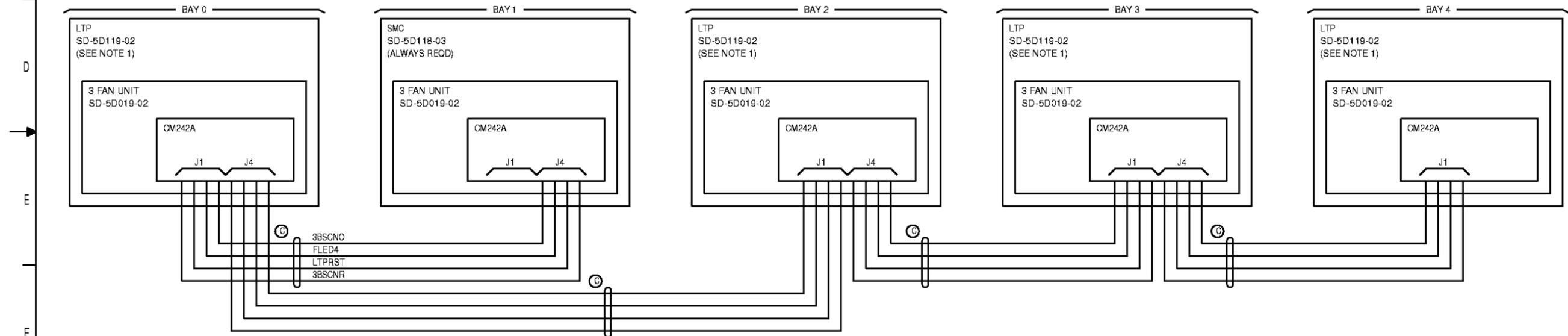
Copyright (C) 1996 Lucent Technologies, Inc. All Rights Reserved		
SWITCHING MODULE APPLICATION	DWG SIZE <b>C2</b>	ISSUE <b>13B</b>
Lucent Technologies, Inc.	SD-5D012-02	SHEET B42

# AS 22F

INTER CABINET FAN UNIT ALARM SCAN/DISTRIBUTE CONNECTIONS  
 (3 FAN UNIT E/W CONNECTORIZED ALARM BOARD)  
 (SMC CABINET IS E/W 6 FAN UNIT)

NOTE:

1. THE CABLING OPTION  $\text{\textcircled{C}}$  IS CUMULATIVE, DEPENDENT UPON THE NUMBER OF LTP CABINETS REQUIRED WITHIN THE SM.



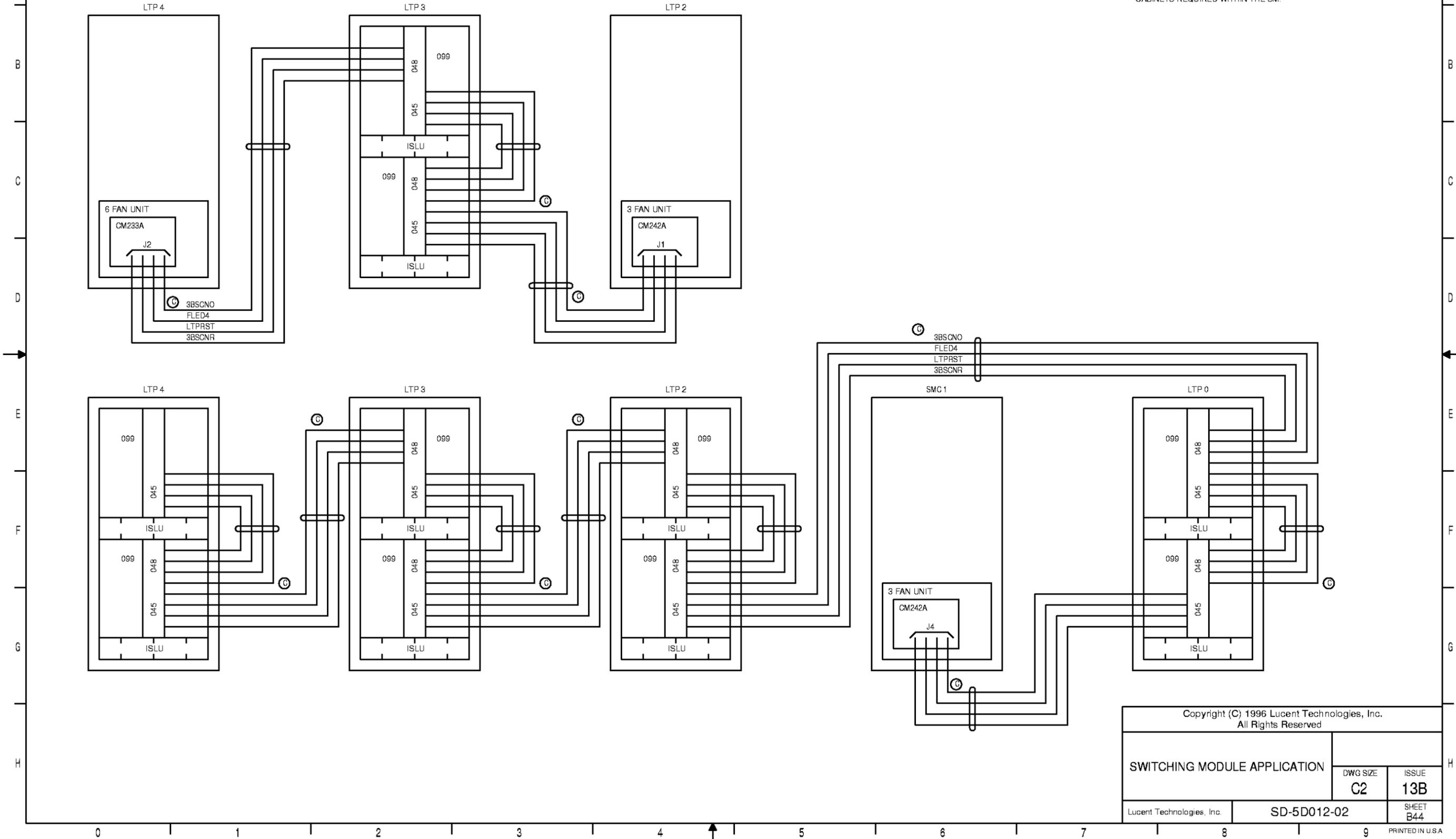
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B43

# AS 22G

INTER CABINET FAN UNIT ALARM SCAN/DISTRIBUTE CONNECTIONS  
 ((2) ISLUS IN A CABINET WITH NO FAN UNIT & (2) ISLUS IN A CABINET  
 CONNECTED TO A CABINET WITH FAN UNIT)

NOTES:

1. THE CABLING OPTION (C) IS CUMULATIVE, DEPENDENT UPON THE NUMBER OF LTP CABINETS REQUIRED WITHIN THE SM.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B44

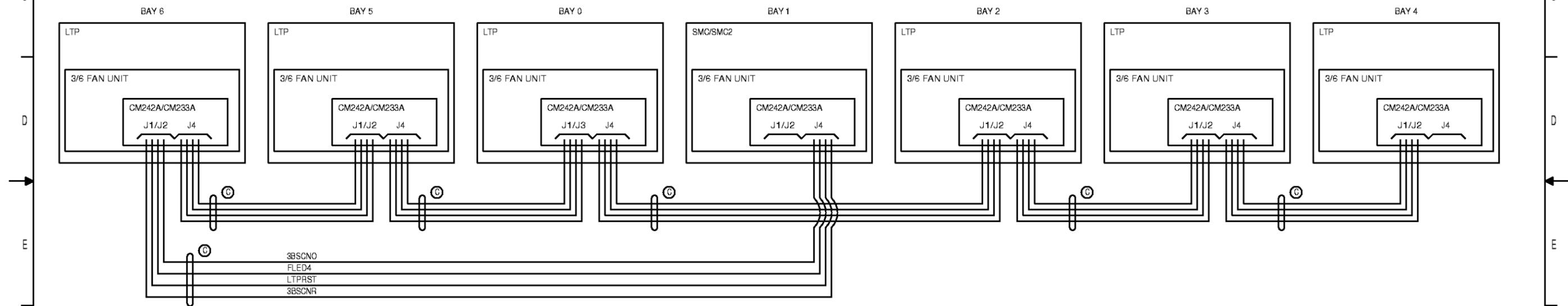
PRINTED IN U.S.A.

# AS 22H

EXPORT ONLY  
 INTER CABINET FAN UNIT ALARM SCAN/DISTRIBUTE CONNECTIONS  
 FOR LTP CABINETS 5 & 6

NOTE:

1. THE CABLING OPTION (C) IS CUMULATIVE, DEPENDENT UPON THE NUMBER OF LTP CABINETS REQUIRED WITHIN THE SM.
2. FAN UNIT CONNECTORS:  
 3 FAN UNIT USES CIRCUIT MODULE CM242A AND CONNECTORS J1 & J4  
 6 FAN UNIT USES CIRCUIT MODULE CM233A AND CONNECTORS J2 & J4

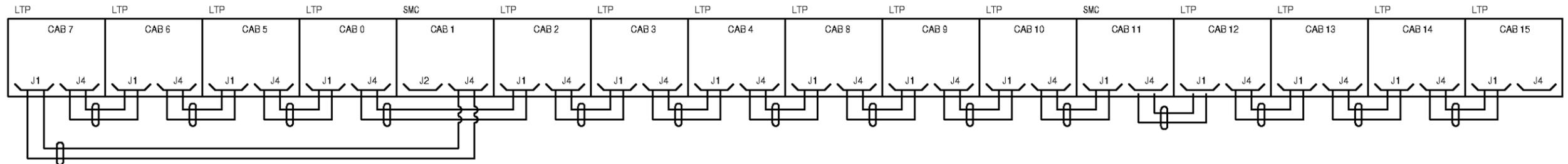


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B45

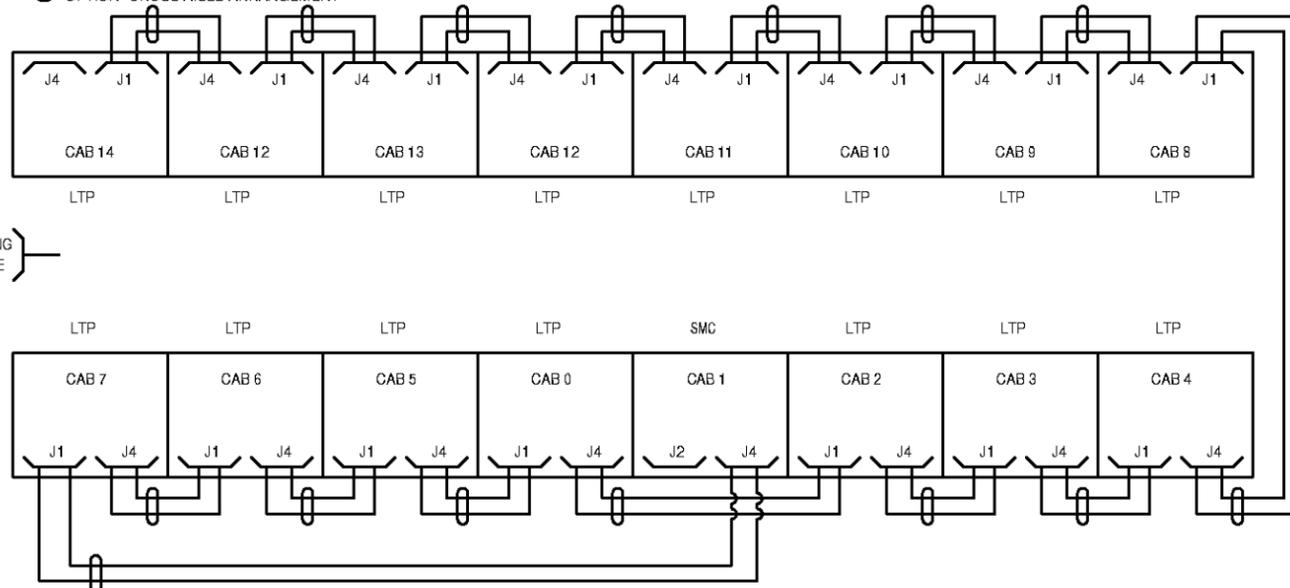
# AS 22J

INTER CABINET FAN ALARM SCAN/DISTRIBUTE  
 CONNECTIONS EW CONNECTORIZED ALARM BOARDS  
 (INTERNATIONAL ONLY APPLICATION)

21 OPTION- SINGLE LINE-UP



22 OPTION- CROSS AISLE ARRANGEMENT



NOTES:

- CONNECTOR "J1" MAYBE CONNECTOR "J2" IF A 6 FAN UNIT WITH CM233A ALARM CARD IS USED.
- ALARM CABLE MULTS ARE DONE ON WIRING SIDE OF THE CABINETS.

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B46

# AS 23A

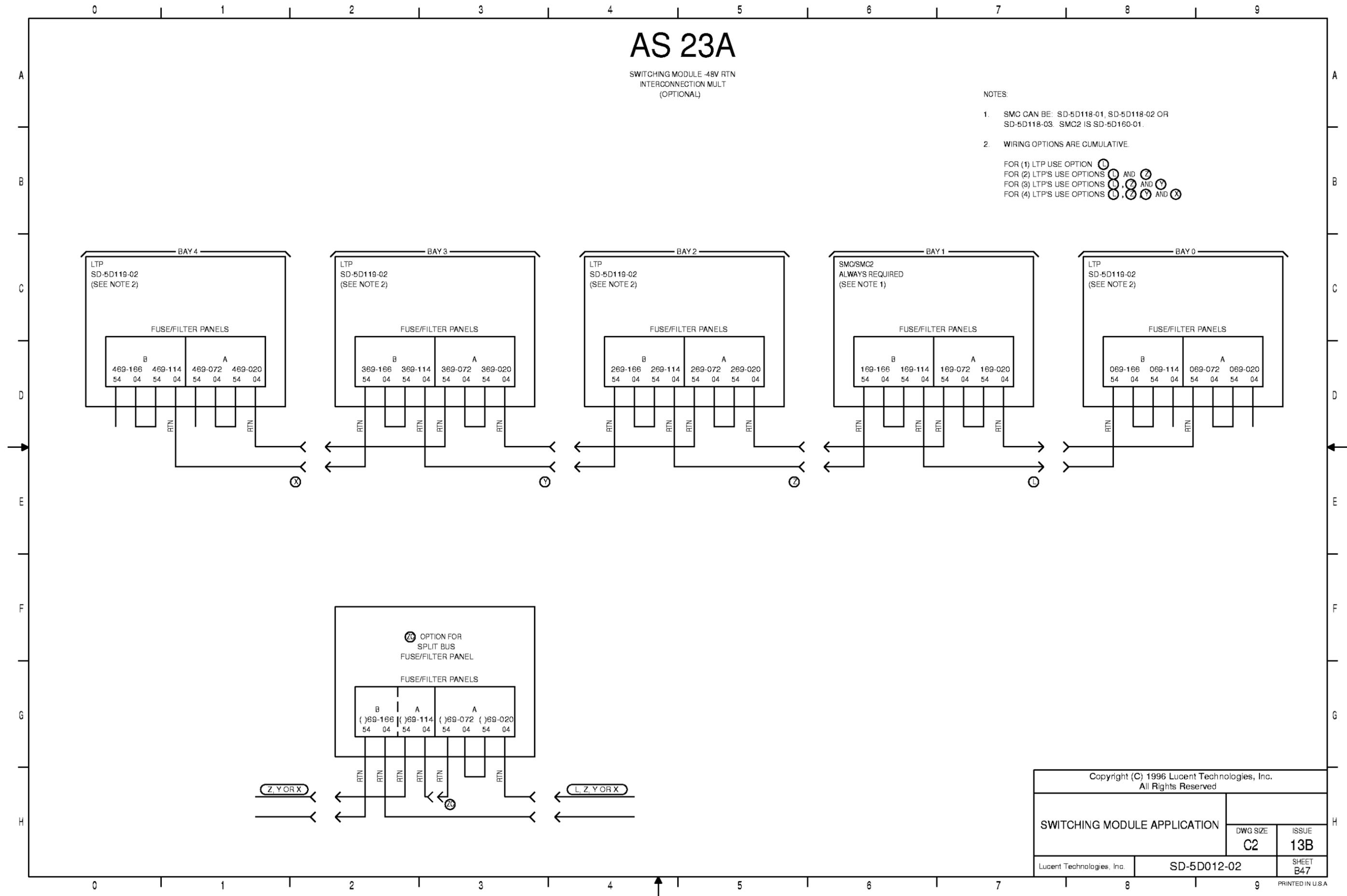
SWITCHING MODULE -48V RTN  
INTERCONNECTION MULT  
(OPTIONAL)

NOTES:

1. SMC CAN BE: SD-5D118-01, SD-5D118-02 OR SD-5D118-03. SMC2 IS SD-5D160-01.

2. WIRING OPTIONS ARE CUMULATIVE.

FOR (1) LTP USE OPTION (L)  
FOR (2) LTP'S USE OPTIONS (L AND Z)  
FOR (3) LTP'S USE OPTIONS (L, Z AND Y)  
FOR (4) LTP'S USE OPTIONS (L, Z, Y AND X)



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B47

# AS 23B

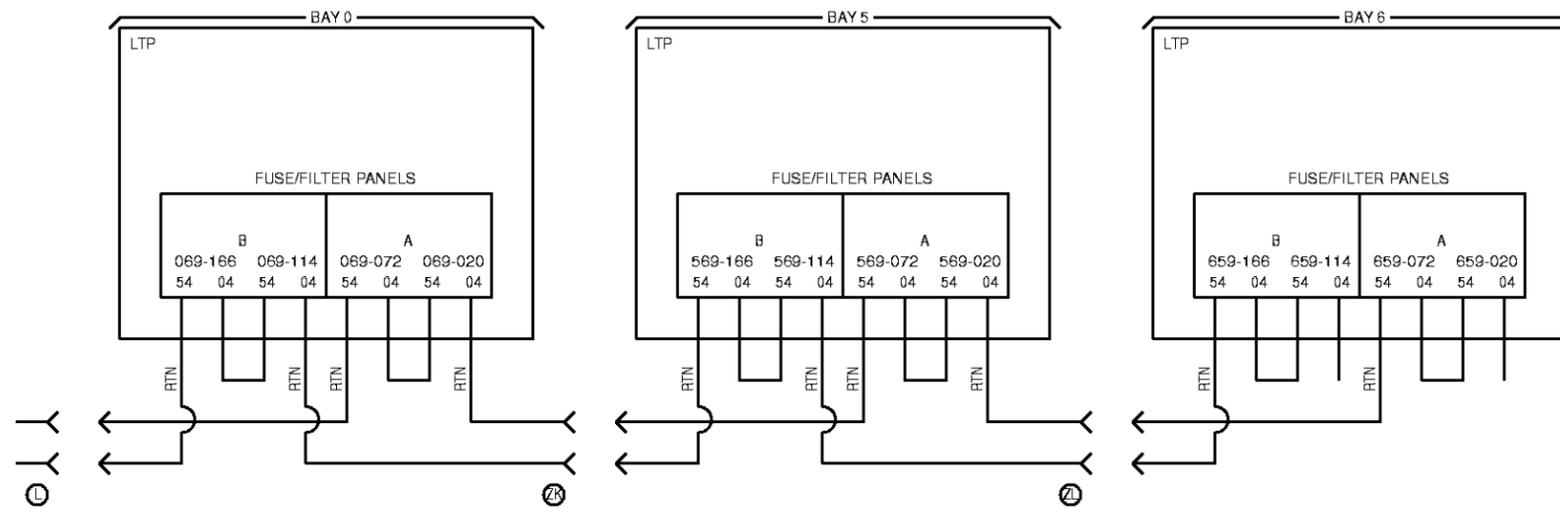
EXPORT ONLY  
-48V RTN INTERCONNECTION  
MULT FOR BAY 5 & 6  
(OPTIONAL)

NOTES:

1. WIRING OPTIONS ARE CUMULATIVE.

FOR (5) LTP'S USE OPTIONS L, Z, Y, X, AND ZK

FOR (6) LTP'S USE OPTIONS L, Z, Y, X, ZK, AND ZL



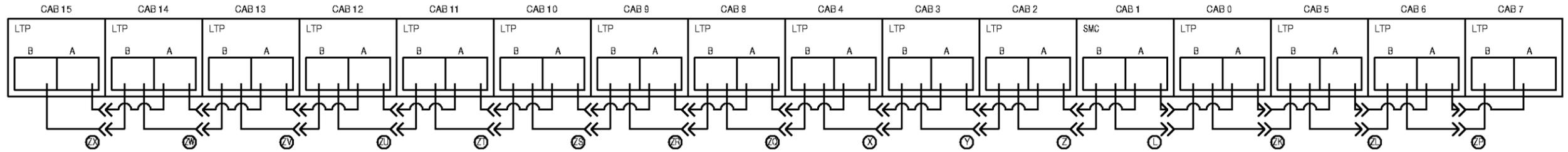
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B48

# AS 23C

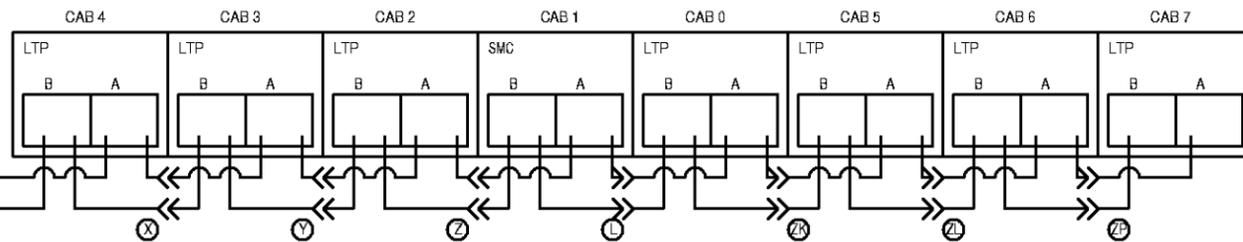
-48V RTN INTERCONNECTION MULT  
FOR CABINETS 7 THRU 15  
(INTERNATIONAL ONLY APPLICATION)  
(OPTIONAL)

NOTE:  
1. WIRING OPTIONS (Z) THRU (Z) ARE  
CUMULATIVE FOR LTP CABINET 8  
THRU CABINET 15 RESPECTIVELY.

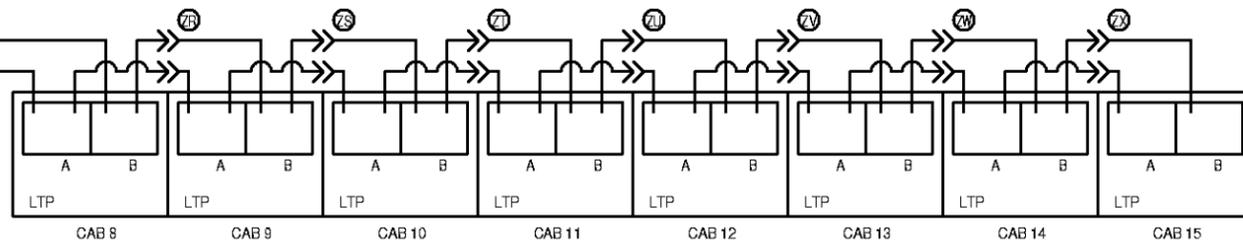
(Z) OPTION- SINGLE LINE-UP



(Z) OPTION- CROSS AISLE ARRANGEMENT



WIRING AISLE



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B49

# AS 24

ALARM/STATUS CIRCUIT

DESCRIPTION

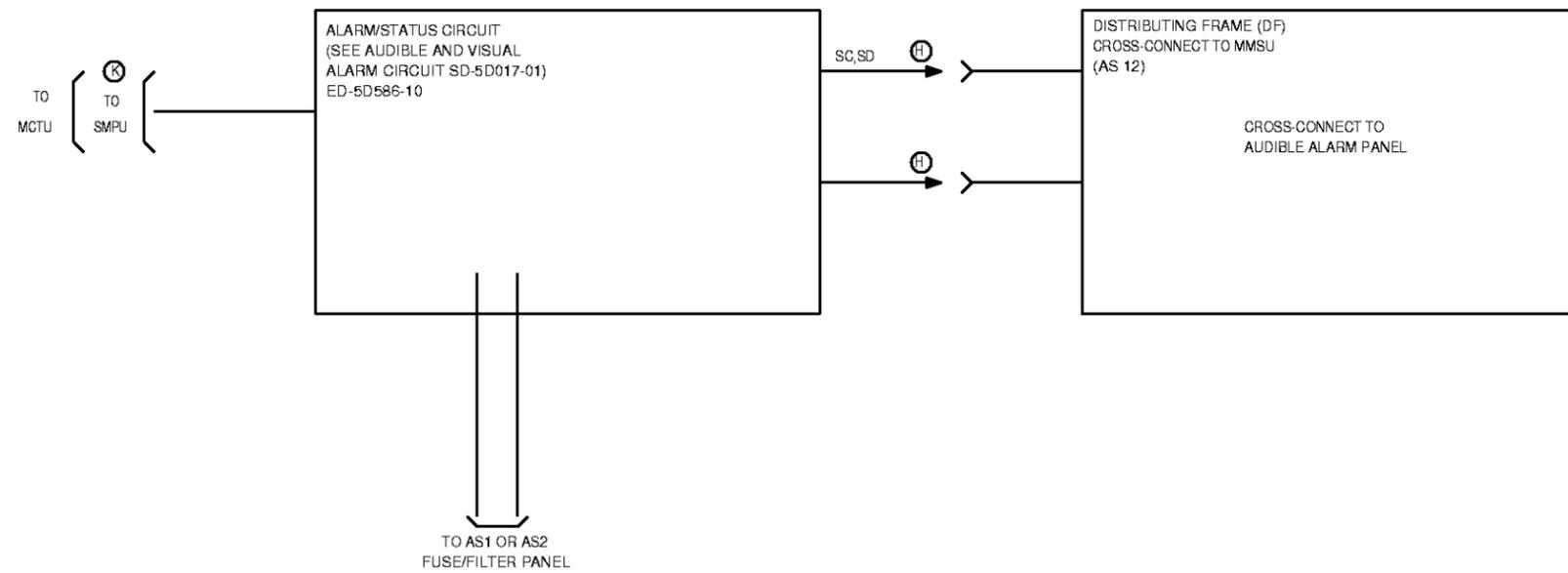
THE ALARM/STATUS CIRCUIT CONSISTS OF UP TO TWO CIRCUIT MODULES AND IS USED IN MMRSM APPLICATIONS. IT PROVIDES THE CRAFT INTERVENTION KEY WHICH ALLOWS THE RM TO BE BROUGHT UP LOCALLY. IT ALSO PROVIDES SIGNALING TO THE AUDIBLE ALARM IN THE OFFICE.

FUSING REQUIREMENT

THE ALARM/STATUS CIRCUIT IS POWERED FROM THE ABS POWER SOURCE. IT DOES NOT USE SMC CABINET FUSES. SEE SD-5D017-01.

SPECIFIC MOUNTING REQUIREMENTS

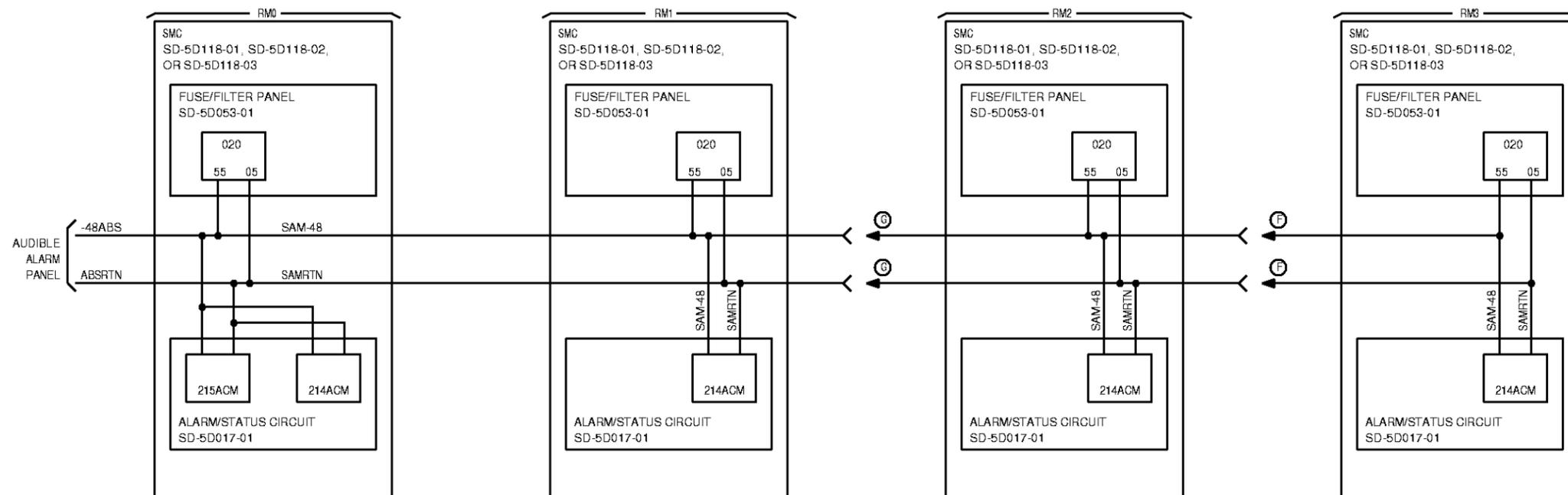
THE ALARM/STATUS CIRCUIT IS MOUNTED IN THE BEZEL OF THE SMC CABINET.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B50

# AS 25

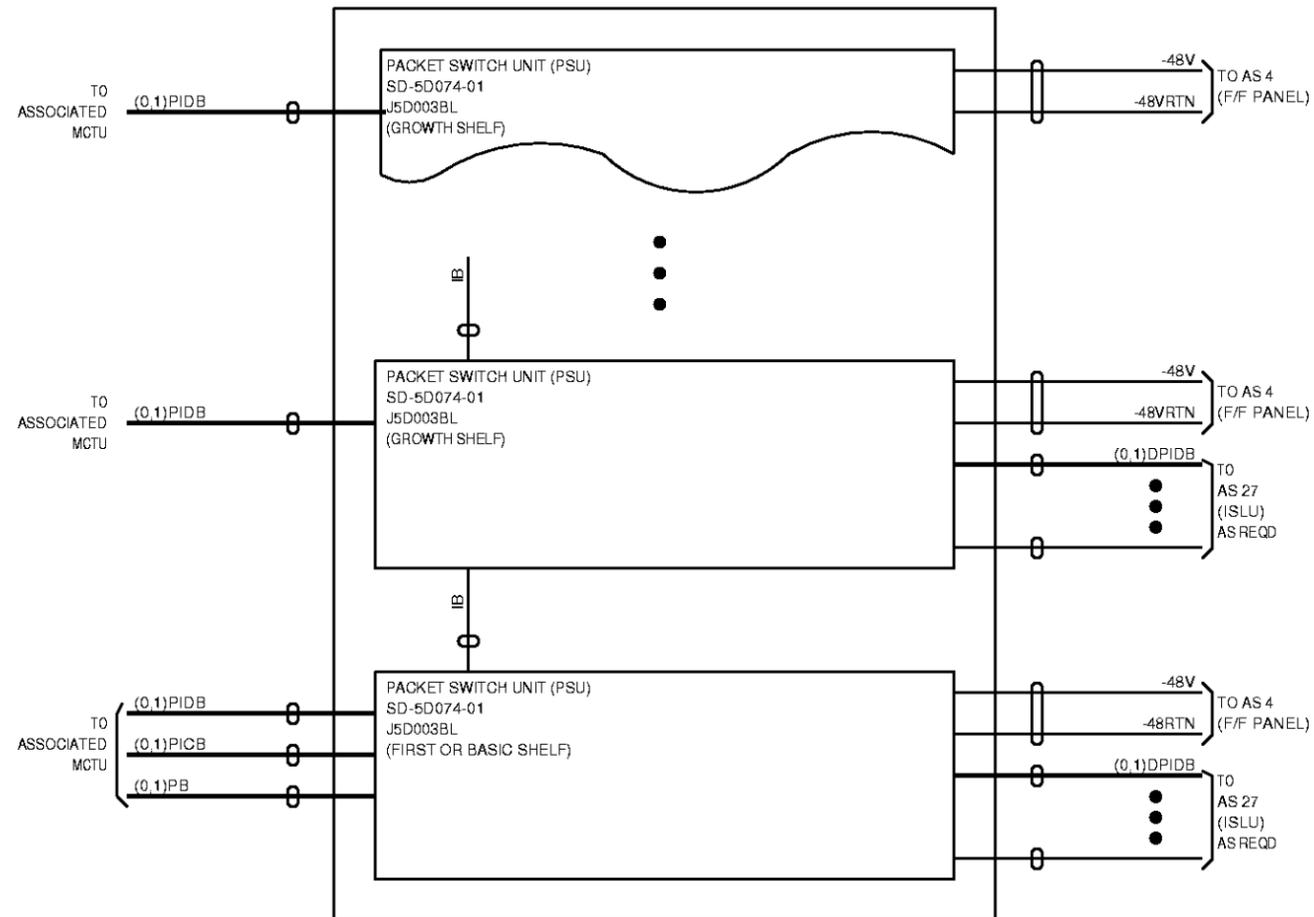
MULTI-MODULE RSM  
ALARM/STATUS CIRCUIT INTERCONNECTIONS



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B51

# AS 26

PACKET SWITCH UNIT (PSU) INTERCONNECTION



**NOTES:**

1. IN VERY SPECIFIC EXPORT TOLL APPLICATION A SINGLE SHELF OF PSU (BASIC SHELF) WITH TWO PH16 PROTOCOL HANDLER PACKS EQUIPPED ONLY AT LOCATIONS 40 & 46 MAY BE MOUNTED IN A SINGLE BAY SM AT VERTICAL EQL 53. THIS APPLICATION PRECLUDES ANY PSU GROWTH. (SEE NOTE 210).

**DESCRIPTION**

EACH PACKET SWITCH UNIT IS AN 8-1/2 INCH HIGH SHELF WHICH IS GROWABLE TO A TOTAL OF FIVE SHELVES. THE FIRST SHELF OR BASIC SHELF REQUIRES A DUPLICATED PIDB, PICB AND PACKET BUS (PB). THE SECOND THROUGH FIFTH SHELVES ARE GROWTH SHELVES EQUIPPED WITH DUPLICATED PIDB'S. EACH SHELF'S DPB'S ARE ENGINEERED AS REQUIRED.

**CAPACITY**

EACH SHELF OF PSU CAN SERVE UP TO 240 DIGITAL SUBSCRIBER LINES (DSL'S) WHEN EQUIPPED WITH PH16 PROTOCOL HANDLER CIRCUIT PACKS AND N + 1 SPARING STRATEGY.

**FUSING REQUIREMENTS**

SEE SD-5D074-01 FOR FUSING REQUIREMENTS.

**SPECIFIC MOUNTING REQUIREMENTS**

THE RECOMMENDED MOUNTING IS AS FOLLOWS - THE PSU BASIC SHELF SHALL BE MOUNTED IN THE LOWEST UNIT POSITION OF AN LTP CABINET. THE GROWTH SHELVES SHALL BE MOUNTED IN ADJACENT POSITIONS ABOVE THE BASIC SHELF. (SEE NOTE 1).

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B52

# AS 27

INTEGRATED SERVICES LINE UNIT (ISLU)

NOTE:

- IN APPLICATIONS WHERE TWO ISLU'S ARE PUT IN A LTP CABINET, THE PLENUM IS NOT REQUIRED. THE MOUNTING EQLS ARE SET TO THE MIDDLE OF THE COMMON SHELF OF EACH ISLU. THE MOUNTING EQLS ARE 32 AND 62.

DESCRIPTION

ISLU IS A (2) SHELF UNIT CONSISTING OF (1) 8 1/2 INCH STANDARD SHELF J5D004AG AND THE OTHER IS A 21 1/4 INCH (4) DRAWER UNIT J5D004AH.

CAPACITY

EACH ISLU CAN TERMINATE A MAXIMUM OF 512 LINES AT A 1:1 LINE CONCENTRATION RATIO. THE MAXIMUM NUMBER OF LINE PER CARD TYPE AR 1:1 IS:

- 'T' CARDS - 512 LINES
- 'U' CARDS VERSION 1 - 240 LINES
- 'U' CARDS - 496 LINES
- 'Z' CARDS - 496 LINES

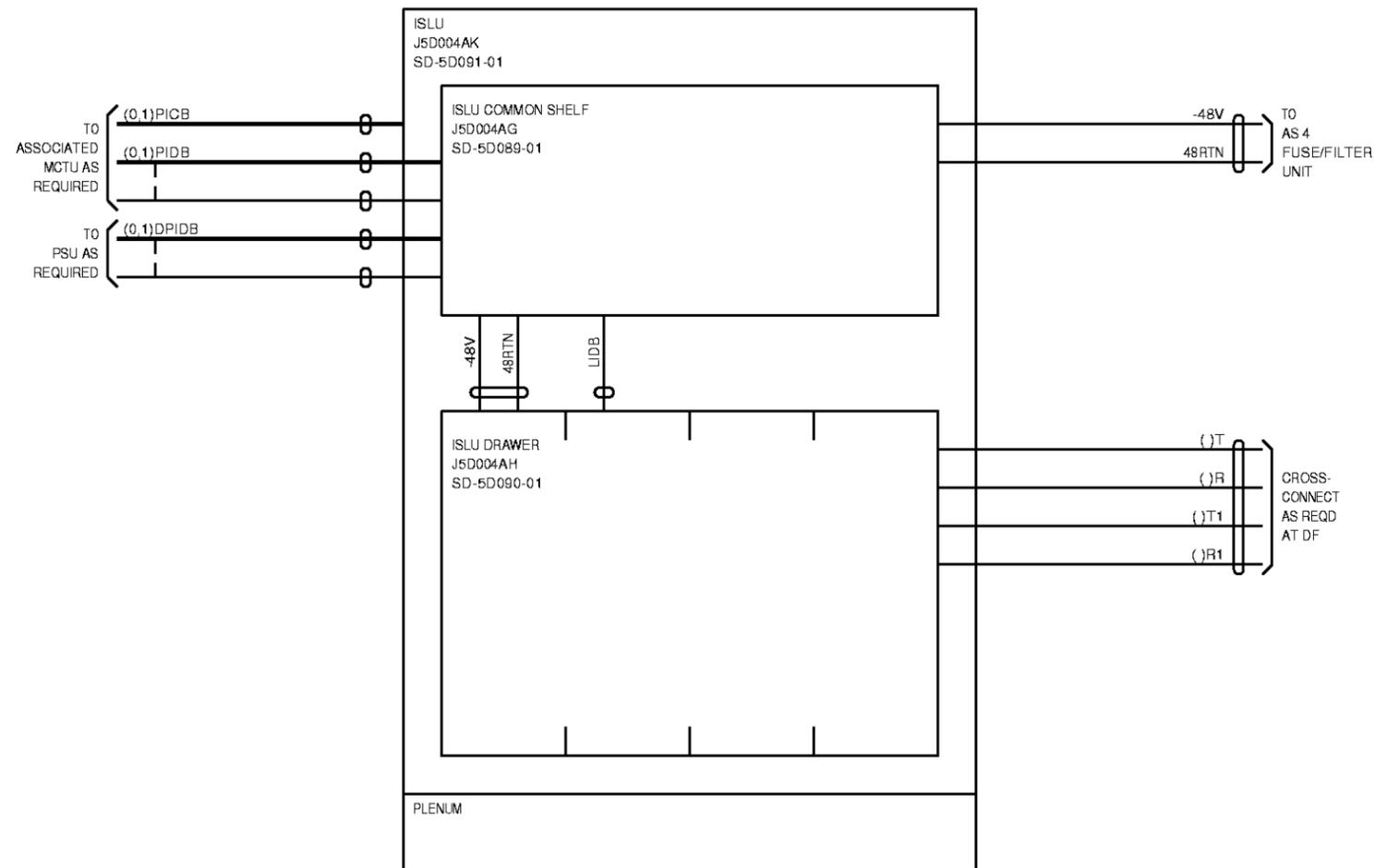
THE CONCENTRATION RATIO IS ENGINEERABLE.

FUSING REQUIREMENTS

SEE SD-5D091-01 FOR FUSING REQUIREMENTS IN GENERAL. ISLU REQUIRES THE J5D003BT FUSE/FILTER UNIT WITH ALL FUSING TO A GIVEN ISLU OFF THE SAME POWER BUS. EVEN NUMBERED ISLU'S WITHIN A GIVEN SM SHALL BE CONNECTED TO BUS 0 AND ODD NUMBERED ISLU'S WITHIN A GIVEN SM SHALL BE CONNECTED TO BUS 1.

SPECIFIC MOUNTING REQUIREMENTS

IT IS A REQUIREMENT THAT A 4 1/4 INCH PLENUM BE MOUNTED DIRECTLY BELOW ISLU. THE RECOMMENDED MOUNTING LOCATION FOR ISLU IS THE TOP OF THE FRAME VERTICAL EQL 36. (SEE NOTE 1).



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B53

# AS 28

DIGITAL SERVICE UNIT 2  
(DSU2)  
SD-5D092-01  
J5D003EA-C1

**DESCRIPTION**

DSU2 IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES SWITCHING SERVICES SUCH AS TONE GENERATION AND TOUCH-TONE DECODING.

DSU2 ALSO ALLOWS OPTIONAL FEATURES LIKE RECORDED ANNOUNCEMENT (RAF).

**CAPACITY**

EACH DSU2 HAS (4) SERVICE GROUPS WHICH CAN BE EQUIPPED AS FOLLOWS:

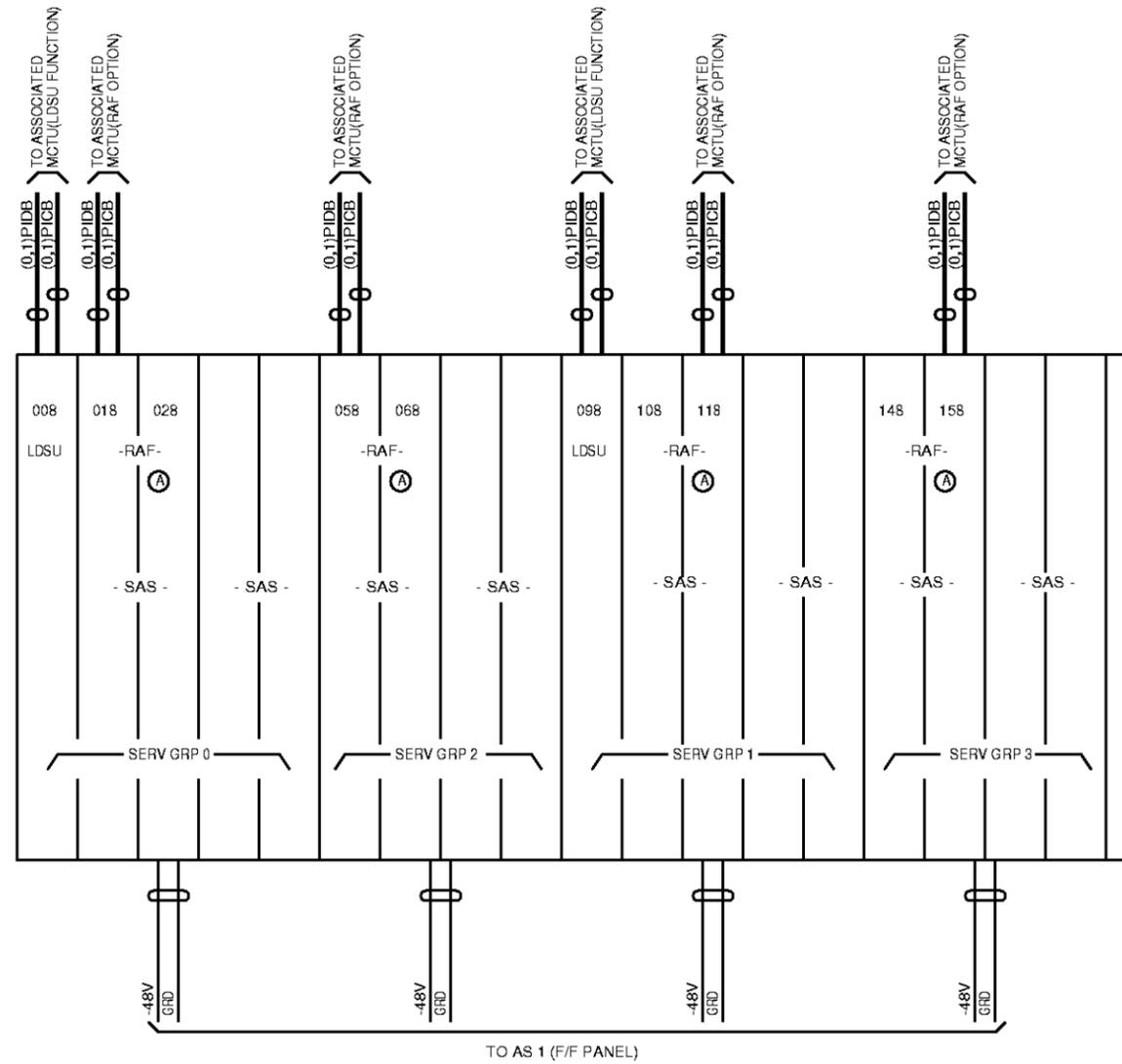
1. LDSU FUNCTION SERVICE GROUPS 0 & 1.
2. RAF OPTION A FOR OSPS CAN BE EQUIPPED IN SERVICE GROUP 0, 1, 2, & 3 (4 MAX., 2 MIN.).
3. SAS OPTION FOR OSPS CAN BE EQUIPPED IN SERVICE GROUPS 0, 1, 2 & 3 OR ACROSS SERVICE GROUPS (8 MAX., 2 MIN.).

**FUSING REQUIREMENTS**

SEE SD-5D092-01.

**SPECIFIC MOUNTING REQUIREMENTS**

1. DSU2 MOUNTS IN THE SMC CABINET DIRECTLY ABOVE THE MCTU.
2. A SECOND DSU2 MAY BE MOUNTED WITHIN AN SM TO PROVIDE ADDITIONAL RAF CAPACITY. THIS SECOND DSU IS TREATED LIKE ANY OTHER PERIPHERAL.



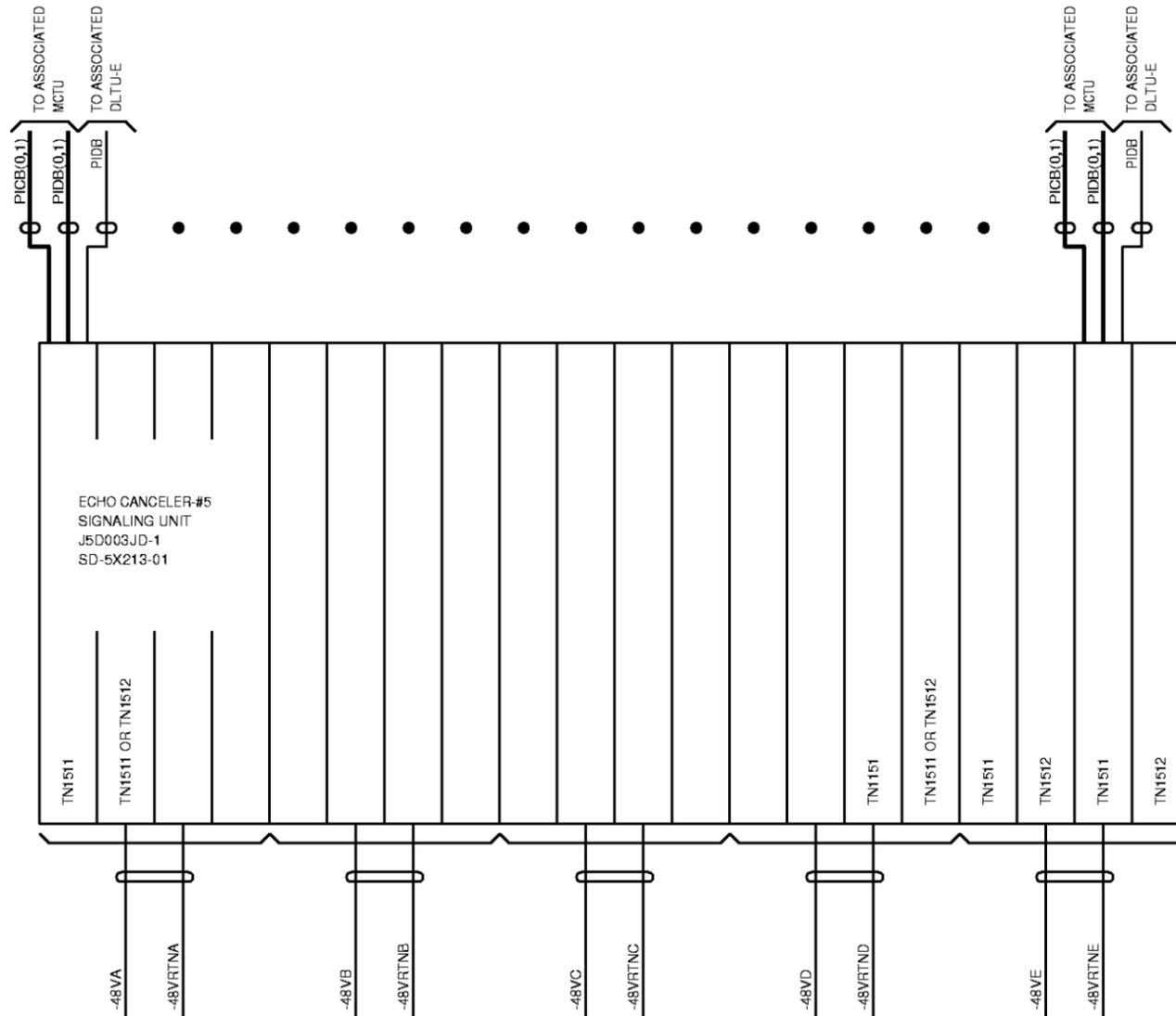
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B54

# AS 29

ECHO CANCELER-#5 SIGNALING UNIT (ECSU)

A  
B  
C  
D  
E  
F  
G  
H

0 1 2 3 4 5 6 7 8 9



DESCRIPTION

EACH ECHO CANCELER-#5 SIGNALING UNIT (ECSU) IS AN 8-1/2 INCH HIGH SHELF WHICH PROVIDES EITHER 32 OR 64 ms OF ECHO CANCELING ON TRUNKS AND SUPPORTS CCITT #5 SIGNALING.

CAPACITY

EACH ECSU CAN HOLD UP TO - (16) TN1511 PACKS WHICH PROVIDES 32 ms OF ECHO CANCELING OR (10) PAIRS OF PACKS (1)TN1511 AND (1)TN1512 WHICH TOGETHER PROVIDE 64 MS OF ECHO CANCELING. THE ECHO CANCELING CAPACITY CAN NOT BE MIXED.

FUSING REQUIREMENTS

SEE SD-5D400-01 FOR FUSING REQUIREMENTS.

SPECIFIC MOUNTING REQUIREMENTS

THE ECSU SHALL BE MOUNTED DIRECTLY BELOW ITS ASSOCIATED DLTU-E. PIDB/PICB CABLING ALWAYS COMES FROM THE SLOT WITH A TN1511 PACK IN IT.

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B55

0 1 2 3 4 5 6 7 8 9

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# AS 30

LINE UNIT MODEL 3  
(LU3)

**NOTES:**

1. LINE UNIT MODEL 3 REQUIRES THAT ALL 14 FUSES BE ON THE SAME POWER FEEDER '0' OR '1' OF THE FUSE/FILTER UNIT (THUS BEING ON THE SAME POWER BUS 'A' OR 'B'). IN A GIVEN SM THE EVEN NUMBERED LU3'S ARE CONNECTED TO POWER BUS 'A' AND THE ODD NUMBERED LU3'S ARE CONNECTED TO POWER BUS 'B'.
2. THE SD-5D180-01 LINE UNIT AND THE SD-5D051-01, SD-5D052-01, SD-5D052-02, OR SD-5X205-01 LINE UNITS MAY BE EQUIPPED WITHIN ONE SWITCHING MODULE (SM), WHICH IS POSSIBLE IN GROWTH SITUATIONS.
3. THE SD-5D180-01 LINE UNIT WILL BE USED FOR BOTH DOMESTIC AND EXPORT APPLICATIONS.

**DESCRIPTION**

EACH LINE UNIT MODEL 3 CONSISTS OF TWO 8-1/2 INCH HIGH SHELVES AND PROVIDES FOR TERMINATION OF UP TO 640 LINES. CONCENTRATION RATIOS OF 10:1, 8:1, 6:1 AND 4:1 ARE AVAILABLE.

**CAPACITY**

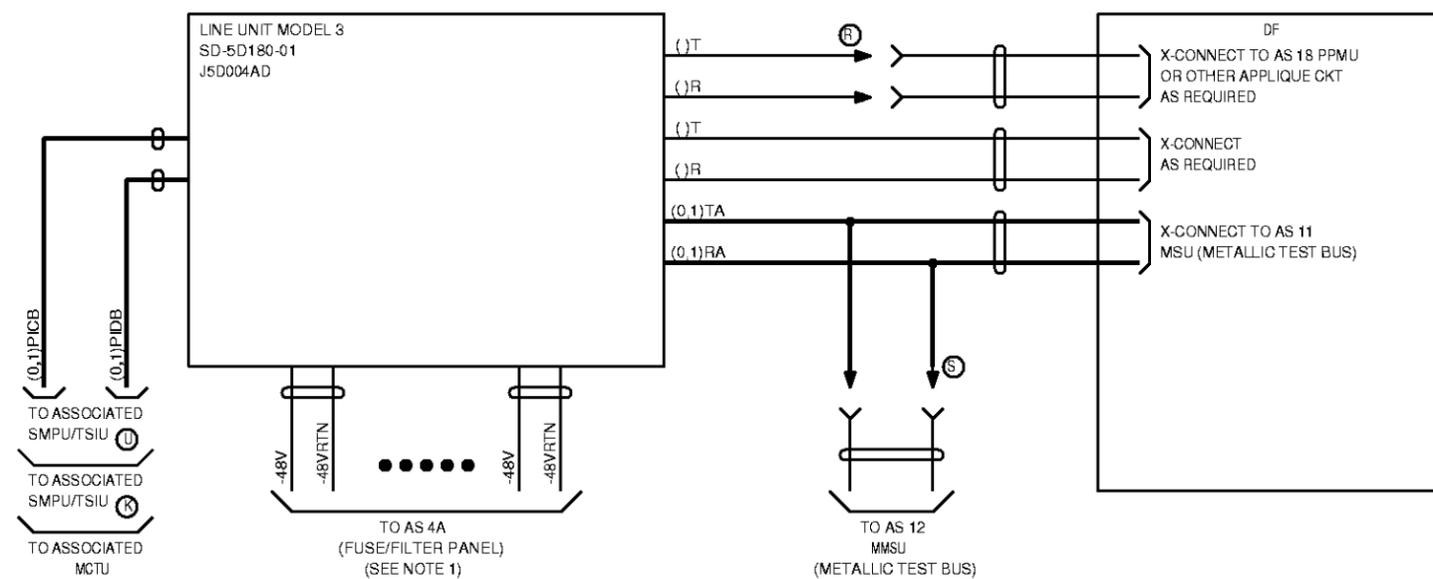
EACH LINE UNIT MODEL 3(LU3) CAN TERMINATE UP TO 640 LINES AT A 10:1 LCR, OR 512 LINES AT AN 8:1 LCR, OR 384 LINES AT A 6:1 LCR, OR 256 LINES AT A 4:1 LCR.

**FUSING REQUIREMENTS**

SEE SD-5D180-01 FOR LINE UNIT MODEL 3 FUSING REQUIREMENTS.

**SPECIFIC MOUNTING REQUIREMENTS**

ANY AVAILABLE POSITION IN AN LTP CABINET (TWO CONSECUTIVE SHELVES).

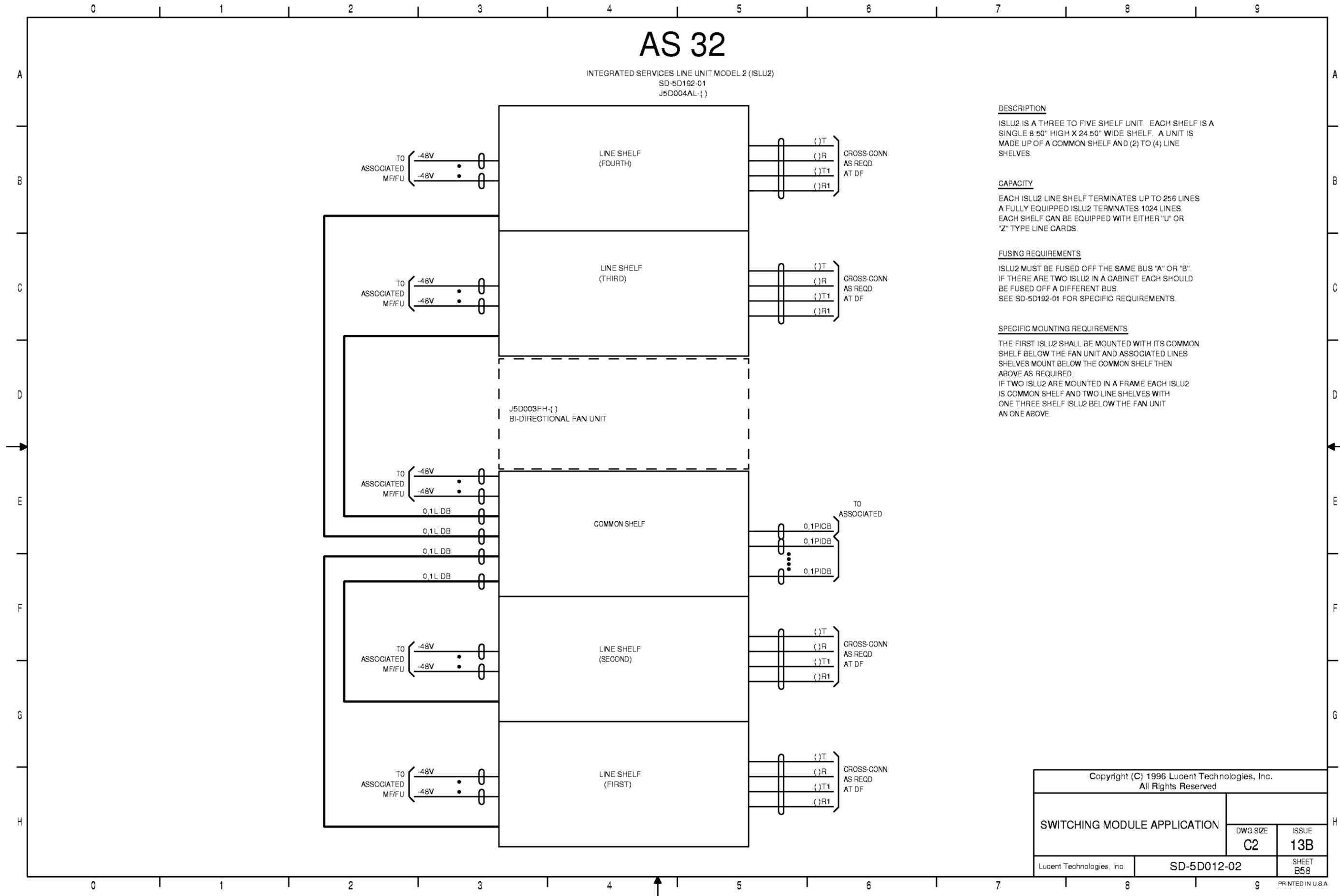


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B56



# AS 32

INTEGRATED SERVICES LINE UNIT MODEL 2 (ISLU2)  
SD-5D192-01  
J5D004AL-({})



**DESCRIPTION**

ISLU2 IS A THREE TO FIVE SHELF UNIT. EACH SHELF IS A SINGLE 8.50" HIGH X 24.50" WIDE SHELF. A UNIT IS MADE UP OF A COMMON SHELF AND (2) TO (4) LINE SHELVES.

**CAPACITY**

EACH ISLU2 LINE SHELF TERMINATES UP TO 256 LINES. A FULLY EQUIPPED ISLU2 TERMINATES 1024 LINES. EACH SHELF CAN BE EQUIPPED WITH EITHER "U" OR "Z" TYPE LINE CARDS.

**FUSING REQUIREMENTS**

ISLU2 MUST BE FUSED OFF THE SAME BUS "A" OR "B". IF THERE ARE TWO ISLU2 IN A CABINET EACH SHOULD BE FUSED OFF A DIFFERENT BUS. SEE SD-5D192-01 FOR SPECIFIC REQUIREMENTS.

**SPECIFIC MOUNTING REQUIREMENTS**

THE FIRST ISLU2 SHALL BE MOUNTED WITH ITS COMMON SHELF BELOW THE FAN UNIT AND ASSOCIATED LINES SHELVES MOUNT BELOW THE COMMON SHELF THEN ABOVE AS REQUIRED. IF TWO ISLU2 ARE MOUNTED IN A FRAME EACH ISLU2 IS COMMON SHELF AND TWO LINE SHELVES WITH ONE THREE SHELF ISLU2 BELOW THE FAN UNIT AND ONE ABOVE.

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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B58

# AS 33

INTEGRATED DIGITAL CARRIER UNIT (IDCU)  
SD-5D301-01  
J5D003FL-{}

**DESCRIPTION**

IDCU IS A SINGLE 8.50 HIGH X 23.00 WIDE UNIT WHICH CONVERTS DS 1'S TO PIDB'S OR TO DPIDB'S. THIS IS A DUPLEX UNIT.

**CAPACITY**

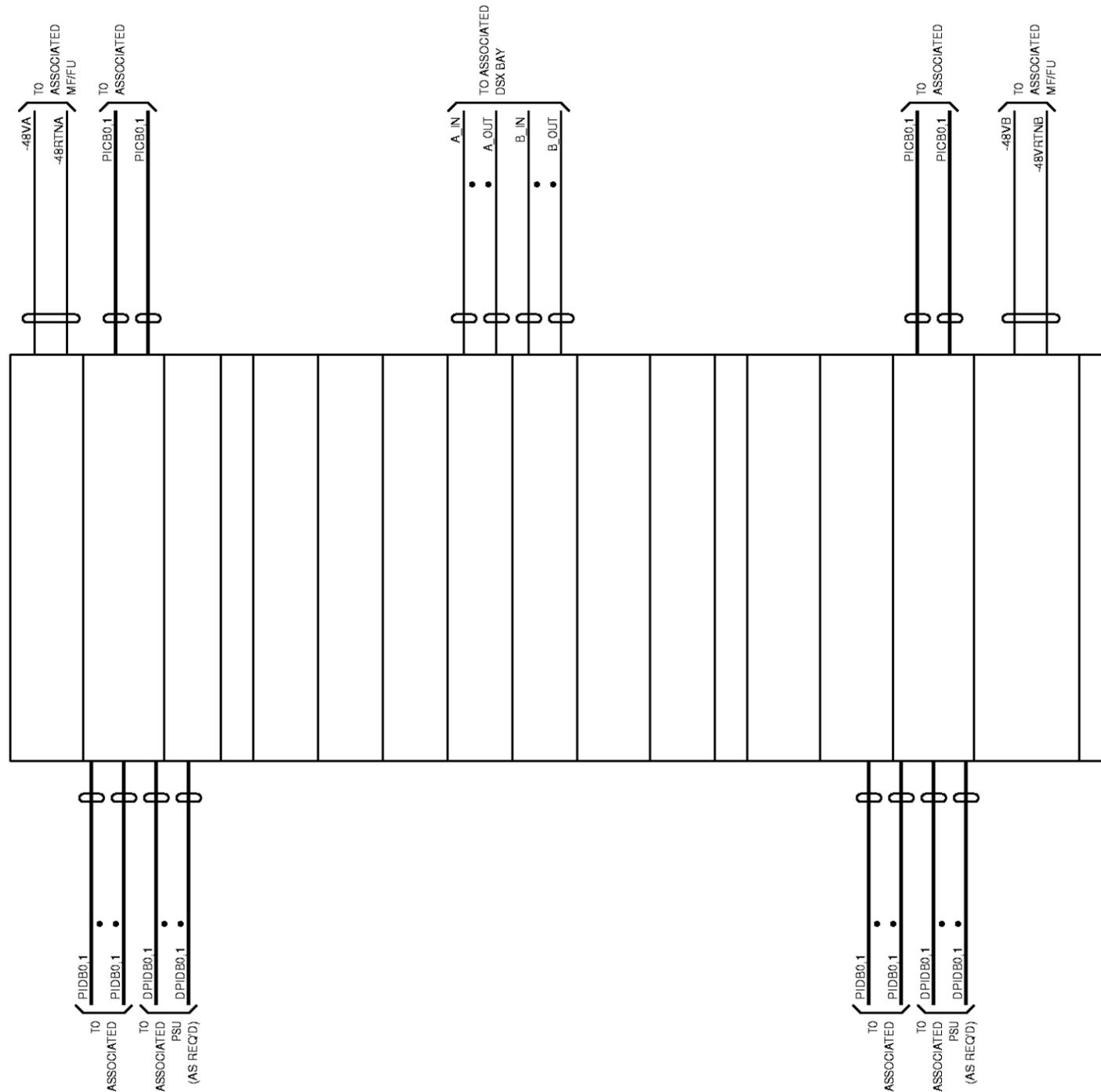
IDCU CAN TERMINATE (31) REMOTE TERMINALS AND A MAXIMUM OF 40 DS 1'S  
(2) LOOP SIDE INTERFACE PACKS ARE REQD PER 20 DS1'S (MAX 4)  
(2) ELECTRICAL LINE INTERFACE PACKS ARE REQD FOR THE SECOND 20 DS1'S AND PIDB PORTS 9-15.

**FUSING REQUIREMENTS**

IDCU SHOULD HAVE ONE FUSE ON EACH BUS PER SD-5D301-01.

**SPECIFIC MOUNTING REQUIREMENTS**

IDCU CAN MOUNT IN ANY SHELF LOCATION OF A LTP CABINET EQUIPPED WITH A 6 FAN BI-DIRECTIONAL FAN UNIT.



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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET B59

# AS 34

COMMUNICATION MODULE MODEL 2C (CM2C)  
 FOR SMALL OFFICE APPLICATIONS  
 SD-5D513-01  
 J5D020AJ-(-)

DESCRIPTION

CM2C IS A TWO SHELF UNIT. EACH SHELF 8 1/2" HIGH X 23.00" WIDE WHICH WILL BE USED IN SMALL OFFICE APPLICATIONS ONLY.

CAPACITY

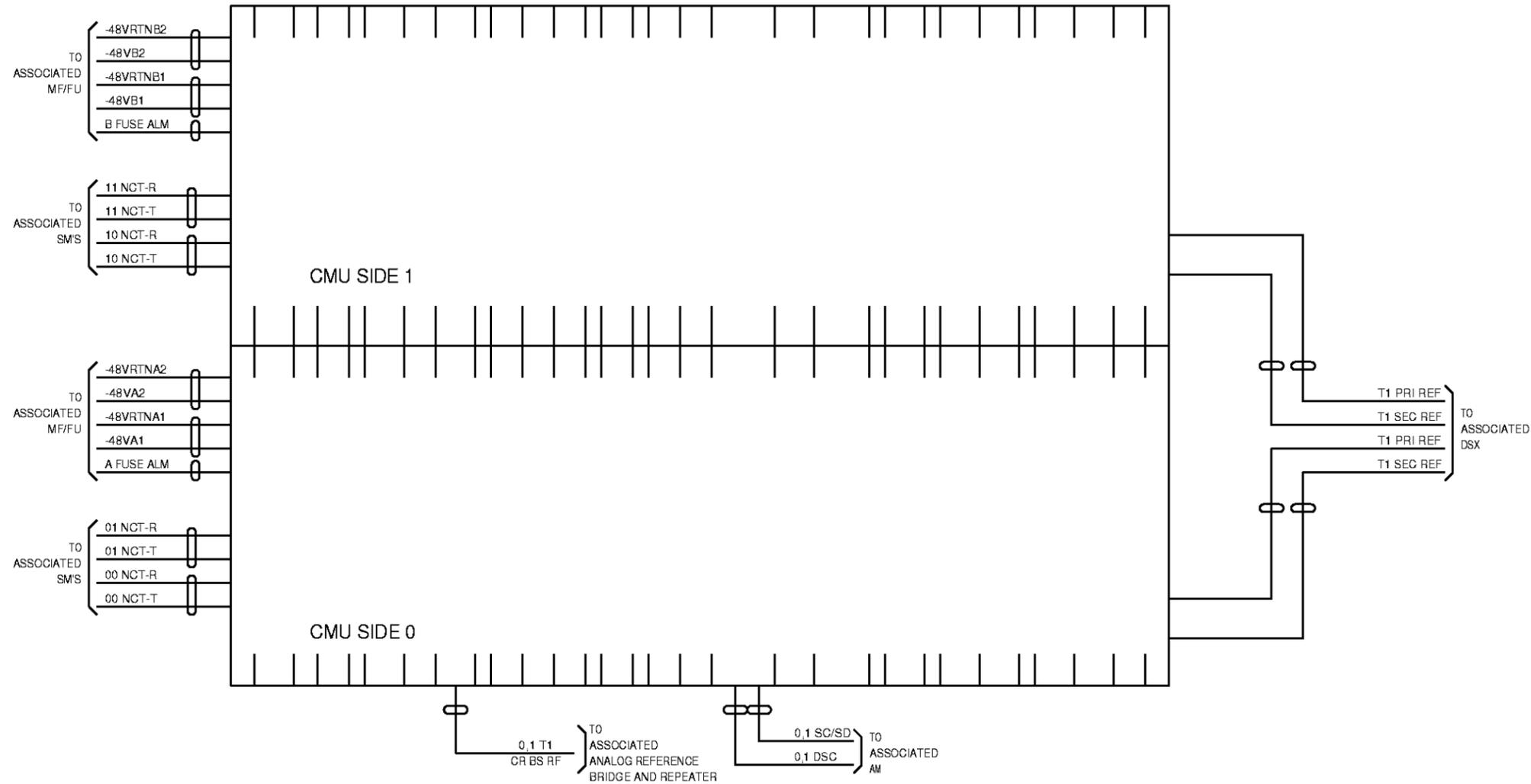
THIS CM IS CAPABLE OF SUPPORTING TWO CLASSIC SM.

FUSING REQUIREMENTS

THIS CM REQUIRES (4) FUSES. ONE EACH ON A DIFFERENT POWER FEED.

SPECIFIC MOUNTING REQUIREMENTS

CM2C MAY BE MOUNTED IN EITHER A SMC OR LTP CABINET EQUIPPED WITH A BI-DIRECTIONAL FAN UNIT. IT MUST BE MOUNTED DIRECTLY ABOVE THE FAN UNIT AND IN THE CABINET DIRECTLY TO THE LEFT OF THE SMALL OFFICES ADMINISTRATIVE MODULE (AM).



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# AS 35

ACCESS INTERFACE UNIT (AIU)  
SD-8G000-01  
J8G000AA(-)

**DESCRIPTION**

AIU IS A DOUBLE HIGH UNIT (17.00" X 8.62" DEEP).  
A CABINET WILL EITHER HAVE (3) OR (6) AIU SHELVES.

**CAPACITY**

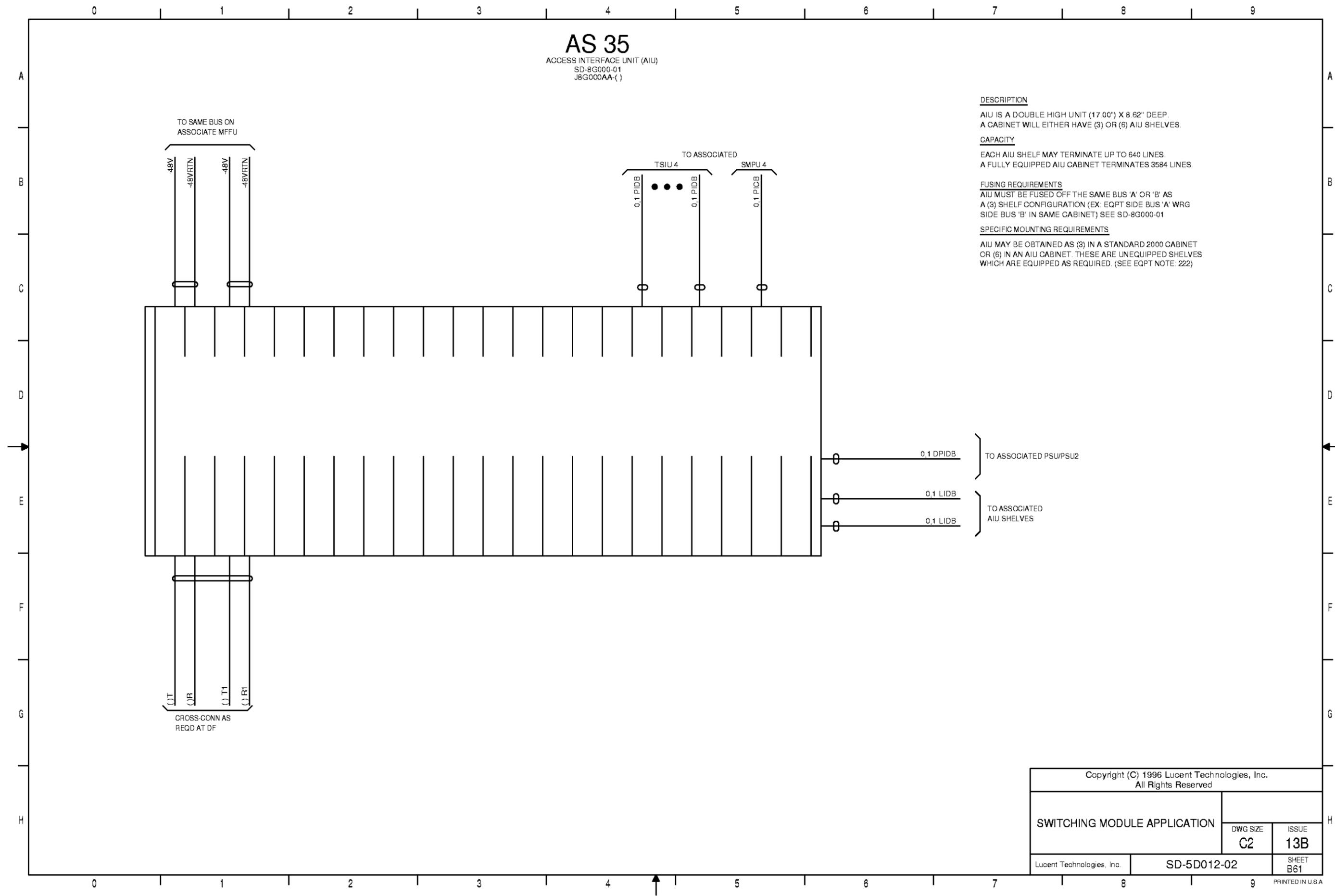
EACH AIU SHELF MAY TERMINATE UP TO 640 LINES.  
A FULLY EQUIPPED AIU CABINET TERMINATES 3584 LINES.

**FUSING REQUIREMENTS**

AIU MUST BE FUSED OFF THE SAME BUS 'A' OR 'B' AS  
A (3) SHELF CONFIGURATION (EX: EQPT SIDE BUS 'A' WRG  
SIDE BUS 'B' IN SAME CABINET) SEE SD-8G000-01

**SPECIFIC MOUNTING REQUIREMENTS**

AIU MAY BE OBTAINED AS (3) IN A STANDARD 2000 CABINET  
OR (6) IN AN AIU CABINET. THESE ARE UNEQUIPPED SHELVES  
WHICH ARE EQUIPPED AS REQUIRED. (SEE EQPT NOTE: 222)



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CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

EQUIPMENT NOTES:

201. THIS DOCUMENT PERTAINS TO THE 5ESS 6 FT CABINET DESIGN ONLY. IT SHOWS THE STRAP WIRING REQUIRED FOR THE FAN UNIT ALARM AND SCAN AND DISTRIBUTE CONNECTIONS BETWEEN THE BAYS IN AN SM. IT ALSO SHOWS THE STRAP WIRING REQUIRED FOR FUSE ALARMING BETWEEN THE FUSE BLOCKS OF ALL BAYS WITHIN AN SM, AS WELL AS SURFACE WIRING REQUIRED.
202. OPTION NOTES:
- (Z) - D3 WIRING ASSOCIATED WITH LTP BAY 2.
  - (Y) - D3 WIRING ASSOCIATED WITH LTP BAY 3.
  - (X) - D3 WIRING ASSOCIATED WITH LTP BAY 4.
  - (W) - EQUIPMENT INFORMATION ASSOCIATED WITH RSM.
  - (V) - EQUIPMENT INFORMATION ASSOCIATED WITH FAST PUMP FEATURE.
  - (U) - EQUIPMENT INFORMATION ASSOCIATED WITH TSIU AND SMPU.
  - (T) - EQUIPMENT INFORMATION ASSOCIATED WITH CONCENTRATION RATIOS IN DCLU.
  - (S) - EQUIPMENT INFORMATION ASSOCIATED WITH MMSU.
  - (R) - EQUIPMENT FOR EXPORT APPLICATION.
  - (Q) - MEMORY EXPANSION UNIT, EQUIPPED WHEN:
    1. SM MEMORY EXCEEDS 5 MEGABYTES WITH TN28 MEMORY PACKS.
    2. SM MEMORY EXCEEDS 10 MEGABYTES WITH TN56 MEMORY PACKS.
  - (P) - REMOTE CLOCK UNIT, REQUIRED IN MMRSM, OPTIONAL IN SINGLE MODULE RSM.
  - (N) - PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC CABINET WHICH HAS A TSIU2/SMPU2 AND LDSU-E:
    - J5D003BA DLTU-E
  - (M) - PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC CABINET WHICH HAS A TSIU2/SMPU2:
    - J5D003AD DLTU
  - (L) - D3 WIRING ASSOCIATED WITH LTP BAY 0.
  - (K) - EQUIPMENT INFORMATION ASSOCIATED WITH TSI02 AND SMPU2.
  - (J) - PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC CABINET WHICH HAS AN MCTU AND AN LDSU-E:
    - J5D003BA DLTU-E
    - J5D003AG ATU-E
    - J5D003AW PPMU
    - J5D003BC GDSU-E
  - (H) - ONLY ALARM AND STATUS UNIT IN RM0 OF MMRSM IS CROSS CONNECTED TO DISTRIBUTING FRAME.
  - (G) - ALARM AND STATUS UNIT POWER WIRING ASSOCIATED WITH RM2 OF A MULTI-MODULE RSM.
  - (F) - ALARM AND STATUS UNIT POWER WIRING ASSOCIATED WITH RM3 OF A MULTI-MODULE RSM.
  - (E) - PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC CABINET WHICH HAS AN MCTU:
    - J5D003AC TU
    - J5D003AD DLTU
    - J5D003AE GDSU
  - (D) - PERIPHERAL UNITS MAY BE MOUNTED IN UNIT EQL'S 19 & 28. IT IS RECOMMENDED THAT THE UNITS MOUNTED IN THESE LOCATIONS NOT BE GROWABLE BEYOND TWO SHELVES AND NO MORE THAN ONE SHELF OF PSU (BASIC SHELF) IS ALLOWED.
  - (C) - CONNECTORIZED CABLES USED BETWEEN BAYS FOR FAN UNIT ALARM SCAN/DISTRIBUTE.

EQUIPMENT NOTES (CONT):

202. OPTION NOTES (CONT):
- (B) - SPECIAL EXPORT SINGLE BAY SM WHICH REQUIRES A SINGLE SHELF OF DSU2 WITH PACKS ONLY AT LOCATIONS 008 AND 098 AND A BASIC PSU SHELF PER AS 26 NOTE 1.
  - (A) - RECORDED ANNOUNCEMENT FEATURE (RAF) FOR OSPS (OPER. SERV. POS. SYS.).
  - (ZA) - SPECIAL EXPORT SINGLE BAY SM WHICH REQUIRES A '6' FAN UNIT: A BASIC PSU SHELF WITH (3)PH PACK. A DSU2 SHELF WITH RAF. AND AN EGSU.
  - (ZB) - SPECIAL SINGLE BAY SM FOR OSPS WHICH SUPPORTS A MAXIMUM OF (2) RISLU CABINETS. THIS SM IS E/W. 6 FAN UNIT DSU2 WITH (4) RAF, PSU SHELF WITH 6 PH PACKS AND DLTU-R.
  - (ZC) - D3 WIRING ASSOCIATED WITH TYING -48VRTN BUSES TOGETHER WITHIN A BAY.
  - (ZD) - THESE UNITS CAN BE EQUIPPED WITH PROCESSOR UPGRADE TO SMPU2.
  - (ZE) - ADDITIONAL PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC2 CABINET WITH MCTU2:
    - J5D003EA DSU2
    - J5D003BL PSU
    - J5D003JD ECSU
    - J5D024AA DLTU2
  - (ZF) - PERIPHERAL UNITS WHICH MAY BE EQUIPPED IN AN SMC2 CABINET WITH MCTU2 SUPPORT BY A SPLIT BUS FUSE/FILTER PANEL:
    - J5D004AD LU3
    - J5D004AK ISLU
  - (ZG & ZH) - SPECIAL SINGLE BAY SM CONFIGURATION WHICH FUNCTIONS AS (2) SEPARATE DIGITAL TRUNK SM'S. (1) SPLIT BUS FUSE/FILTER UNIT WITH ALARMS SUPPORTS THE LOWER MCTU2, DLTU2, AND FAN UNIT; THE OTHER SPLIT BUS FUSE/FILTER UNIT WITH ALARMS IS ASSOCIATED WITH THE UPPER MCTU2 AND DLTU2. (ZG) OPTION PROVIDES FOR THIS CONFIGURATION TO USE THE BI-DIRECTIONAL FAN UNIT AND THE MODULAR FUSE/FILTER UNIT.
  - (ZI) - SPECIAL SINGLE BAY SM CONFIGURATION TO SUPPORT ISDN PRIMARY RATE INTERFACE. (E/W (1) PSU SHELF).
  - (ZJ) - SINGLE LINE-UP OF 16 CABINETS
  - (ZK) - CROSS AISLE ARRANGEMENT OF 16 CABINETS
  - (ZL) - D3 WIRING ASSOCIATED WITH LTP CABINET 7
  - (ZM) - D3 WIRING ASSOCIATED WITH LTP CABINET 8
  - (ZN) - D3 WIRING ASSOCIATED WITH LTP CABINET 9
  - (ZO) - D3 WIRING ASSOCIATED WITH LTP CABINET 10
  - (ZP) - D3 WIRING ASSOCIATED WITH LTP CABINET 11
  - (ZQ) - D3 WIRING ASSOCIATED WITH LTP CABINET 12
  - (ZR) - D3 WIRING ASSOCIATED WITH LTP CABINET 13
  - (ZS) - D3 WIRING ASSOCIATED WITH LTP CABINET 14
  - (ZT) - D3 WIRING ASSOCIATED WITH LTP CABINET 15
  - (ZA) - SPECIAL SINGLE BAY SM CONFIGURATION WHICH REFLECT EXISTING SM'S ENGINEERED BY NSI FOR THEIR MARKET.
  - (ZB) - SPECIAL SINGLE BAY SM CONFIGURATION WHICH REFLECT EXISTING SM'S ENGINEERED BY NSI FOR THEIR MARKET.
  - (ZC) - SPECIAL SINGLE BAY SM CONFIGURATION WHICH REFLECT EXISTING SM'S ENGINEERED BY NSI FOR THEIR MARKET.
  - (ZD) - SPECIAL SINGLE BAY SM CONFIGURATION WHICH REFLECT EXISTING SM'S ENGINEERED BY NSI FOR THEIR MARKET.

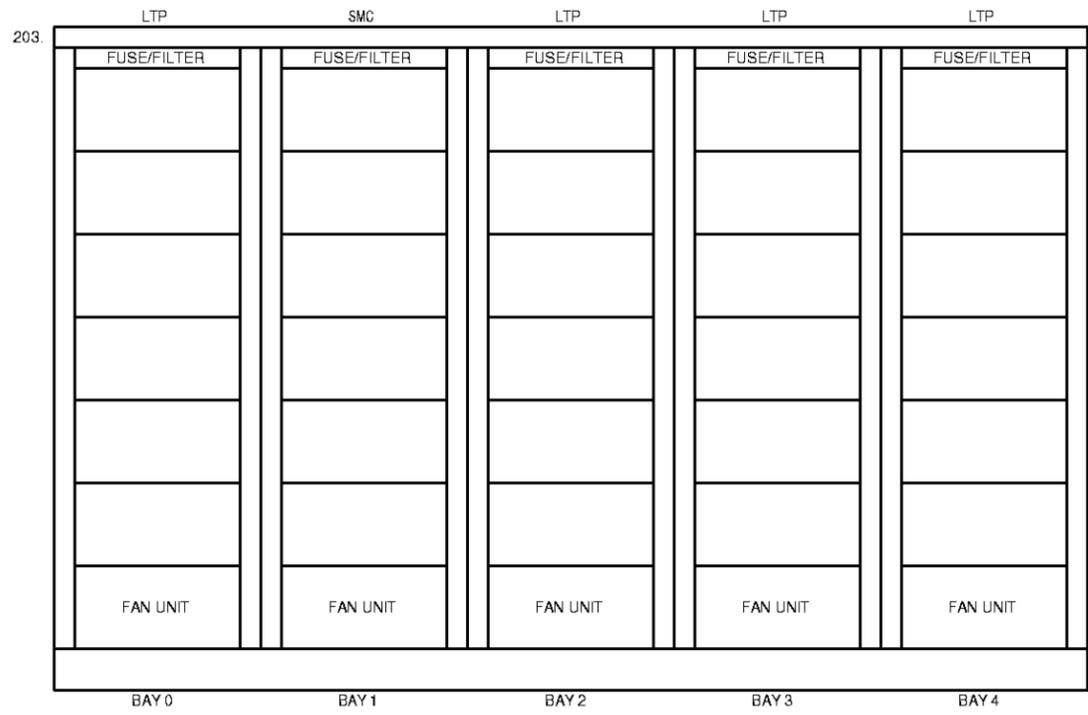
EQUIPMENT NOTES (CONT):

202. OPTION NOTES (CONT):
- (YF) - SPECIAL SINGLE BAY CONFIGURATION WHICH ALLOWS THE SHARING OF (2) PSU'S (COMMON SHELVES) WITH AN ADJACENT SINGLE BAY (2) SM CONFIGURATION OPTIONS:
    - (ZG) & (ZH) -

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EQUIPMENT NOTES (CONT):



EQUIPMENT NOTES (CONT):

208. PERIPHERAL UNITS FOR EXPORT APPLICATION INCLUDE:

- J5D003AG ATUE
- J5D003BA DLTUE
- J5D003BC GDSUE
- J5D003BD MMSU
- J5D004AC LU2
- J5D003AR DCLU
- J5D003AS DCLUS
- J1P023AM DCTU
- J5D003AP FIU
- J5D003AW PPMU
- J5D003JD ECHO
- J5D003EA DSU2
- J5D003BL PSU
- J5D004AK ISLU
- J5D024AA DLTU2

204. AN SM MAY BE EQUIPPED WITH UP TO FOUR LTP'S (BAY 0,2,3,4) AS REQUIRED.

205. FAN FUSING ARRANGEMENTS FOR THE SMC AND LTP CABINETS SHALL BE AS FOLLOWS:

FAN UNIT	FUSE/FILTER PNL	F/F PNL EQL	FUSING UNIT TERMINAL LEADS
J5D003BE- E/W WW ALM BRD	J5D003AU-	( )69-020 ( )69-114	53,52,43,42,41,40 53,52,43,42,41,40
J5D003BE- E/W CONN ALM BRD	J5D003AU-	( )69-020 ( )69-114	43,42,53,52 43,42,53,52
J5D003BE- E/W CONN ALM BRD	J5D003BT-	( )69-020 ( )69-072 ( )69-114 ( )69-166	33,32 45,44 33,32
J5D003BN-	J5D003BT-	( )69-020 ( )69-072 ( )69-114 ( )69-166	45,44 33,32,45,44 45,44 33,32,45,44
J5D003BN	J5D003AU	( )69-020 ( )69-114	53,52,43,42,41,40 53,52,43,42,41,40
J5D003BN	J5D003AU E/W SPLIT BUS	169-020 169-072	21,20,11,10,01,00 41,40,31,30,21,20

206. LTP CABINETS 0,2,3 & 4 OF AN SM MAY BE EQUIPPED WITH J5D003( ) UNITS AND J5D004( ) UNITS AS REQUIRED. UNITS NOT REQUIRING PICB, PIDB, OR PIDB LIKE BUSES MAY NOT BE PLACED IN SM'S.

207. UP TO SIX SINGLE SHELF UNITS MAY BE PLACED IN LTP CABINETS.

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SWITCHING MODULE APPLICATION

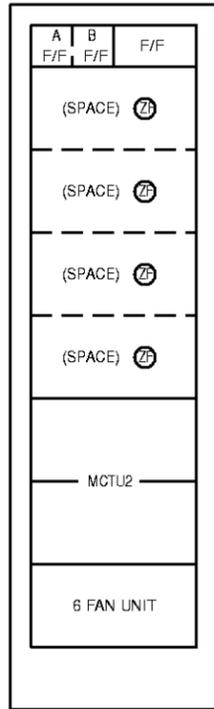
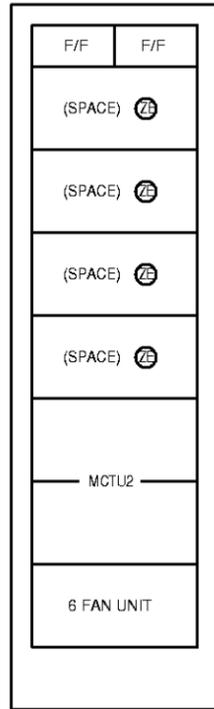
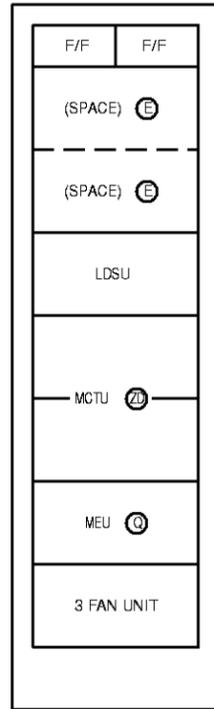
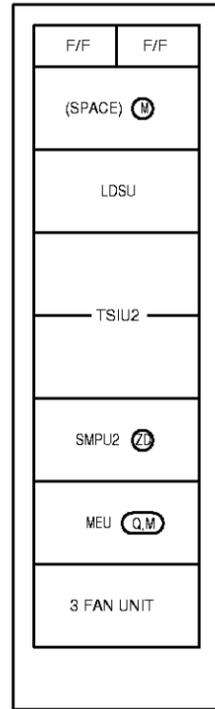
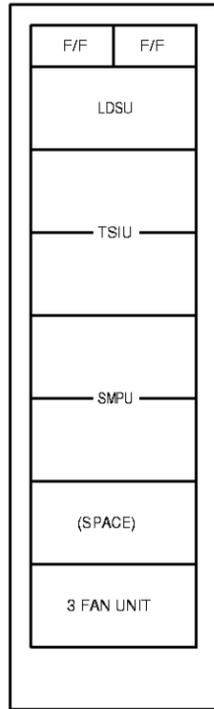
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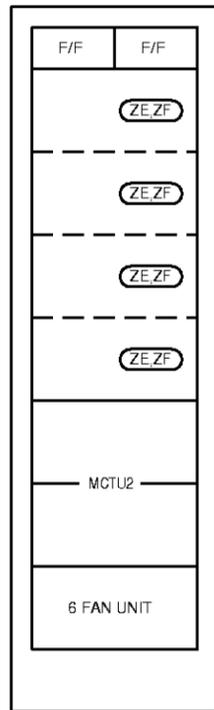
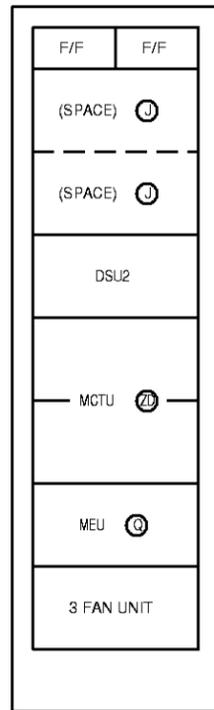
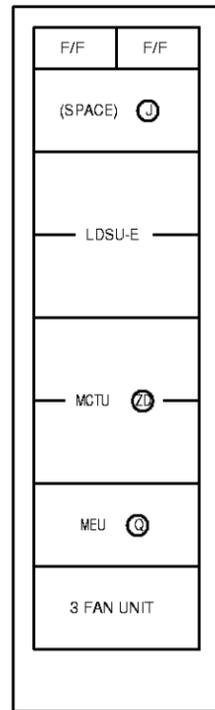
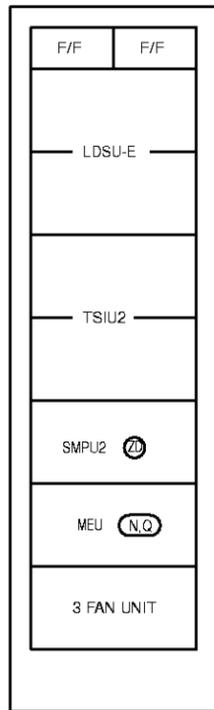
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EQUIPMENT NOTES (CONT):  
 209. SMC CONFIGURATIONS  
 A. DOMESTIC APPLICATIONS



B. EXPORT APPLICATIONS

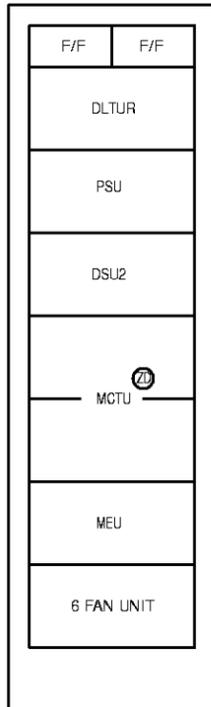


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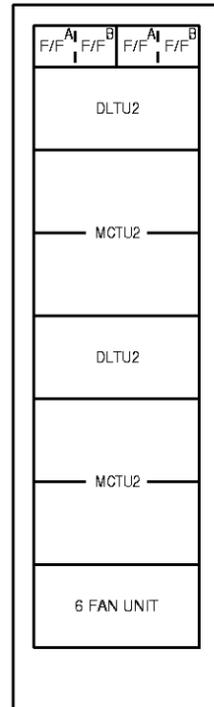
EQUIPMENT NOTES (CONT):

210. SPECIAL SINGLE BAY SM CONFIGURATIONS

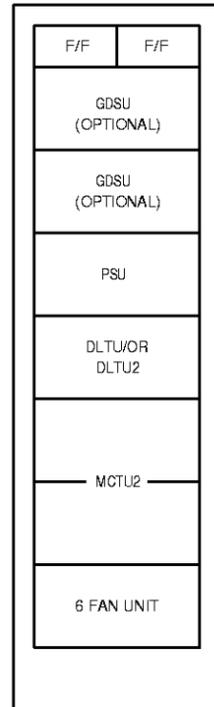
A. DOMESTIC APPLICATIONS



① SPECIAL SINGLE BAY SM FOR OSPS



② SPECIAL SINGLE BAY DOUBLE SM CONFIGURATION



③ SPECIAL SINGLE BAY SM FOR ISDN PRIMARY RATE INTERFACE

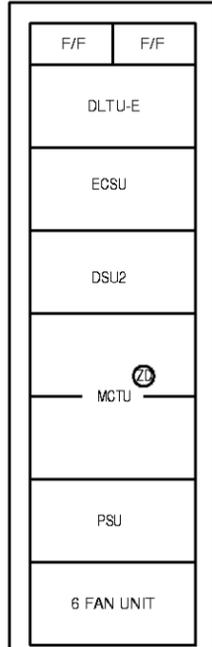
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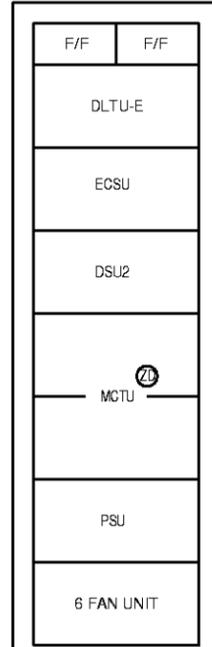
EQUIPMENT NOTES (CONT):

210. SPECIAL SINGLE BAY SM CONFIGURATIONS (CONT):

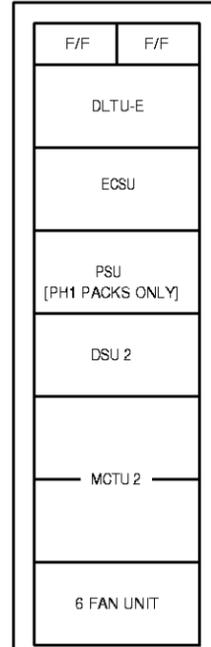
B. EXPORT APPLICATIONS



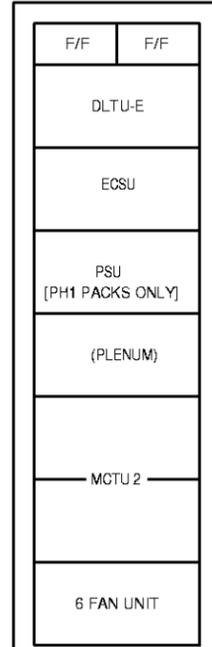
Ⓩ SPECIAL SINGLE BAY SM



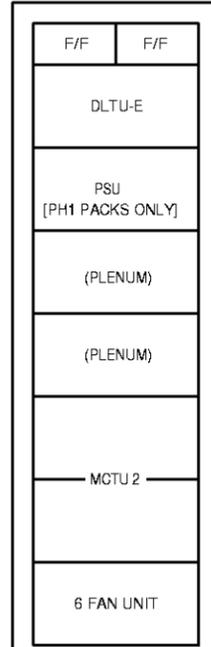
Ⓩ SPECIAL SINGLE BAY SM



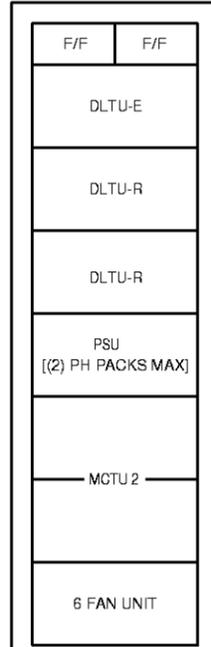
ⓎA



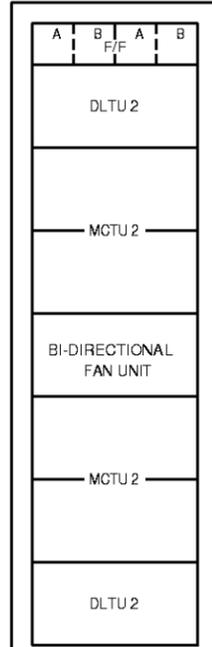
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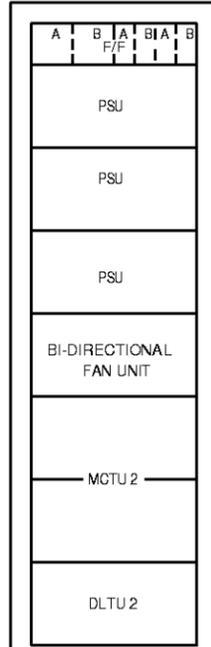
ⓎC



ⓎD



ⓎE



ⓎF

A  
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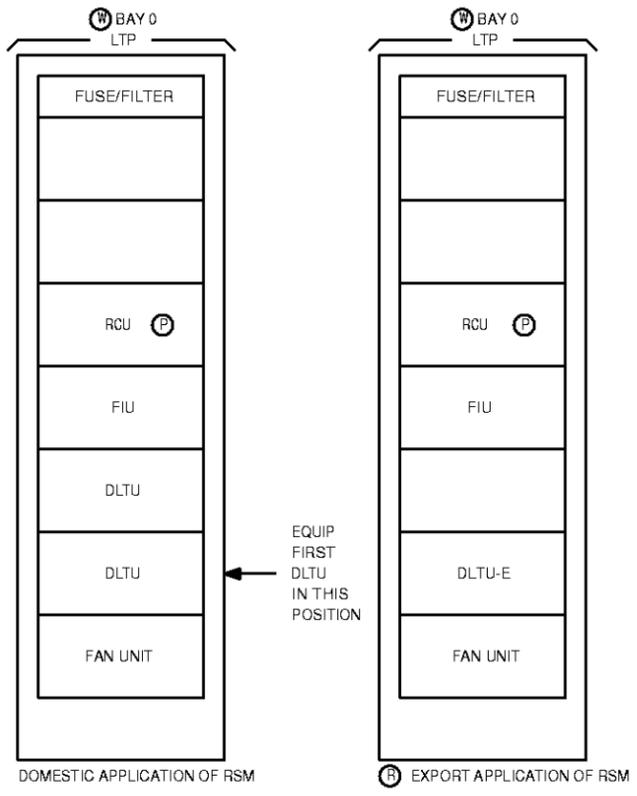
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EQUIPMENT NOTES (CONT):

- 211. ASSIGNMENT OF PICB CABLES INTERCONNECTING THE MCTU, TSIU2 OR SMPU AND THE PERIPHERAL UNITS IS DESCRIBED IN SD-5D007. ASSIGNMENT OF PIDB CABLES INTERCONNECTING THE MCTU, TSIU2 OR TSIU AND THE PERIPHERAL UNITS IS DESCRIBED IN SD-5D007.
- 212. POWER ALARM AND TEST LEADS FROM THE FUSE/FILTER TO THE MCTU, TSIU2 OR TSIU ARE DETAILED IN SD-5D118-03, 01, OR 02 RESPECTIVELY.
- 213. IN AN RSM, THE DLTU(S) SHOULD BE EQUIPPED AS SHOWN IN BAY0 OF THE RSM.



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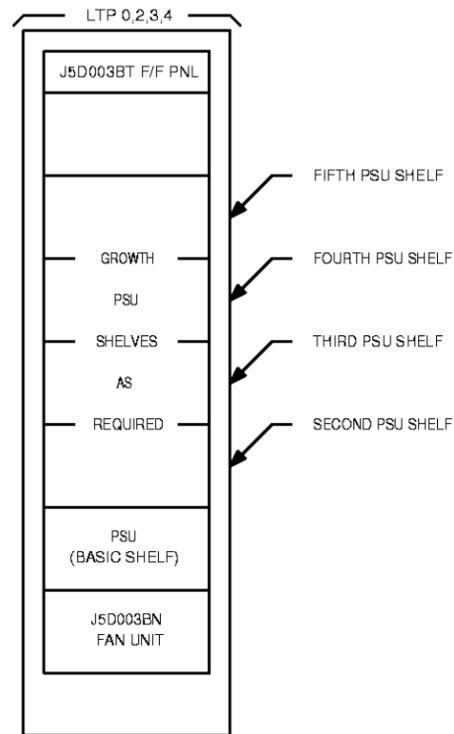
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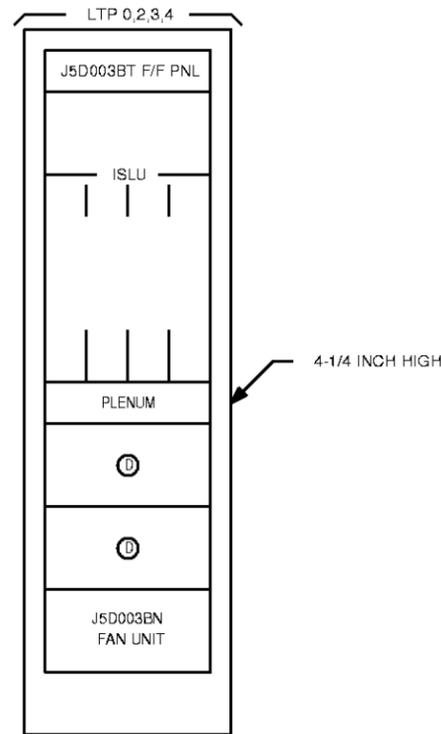
EQUIPMENT NOTE (CONT):

214. IN A MMRSM, THE DLTU(S) SHOULD BE EQUIPPED AS SHOWN IN LTP 0. THE RCU (D) SHOULD BE EQUIPPED AS SHOWN IN LTP 0 OF THE RESOURCE MODULE.

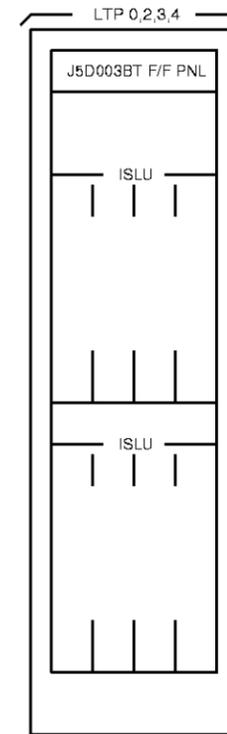
215. IN A LTP CABINET THE RECOMMENDED PSU EQUIPAGE IS AS SHOWN:



216. IN A LTP CABINET THE RECOMMENDED ISLU ARRANGEMENT IS AS SHOWN:



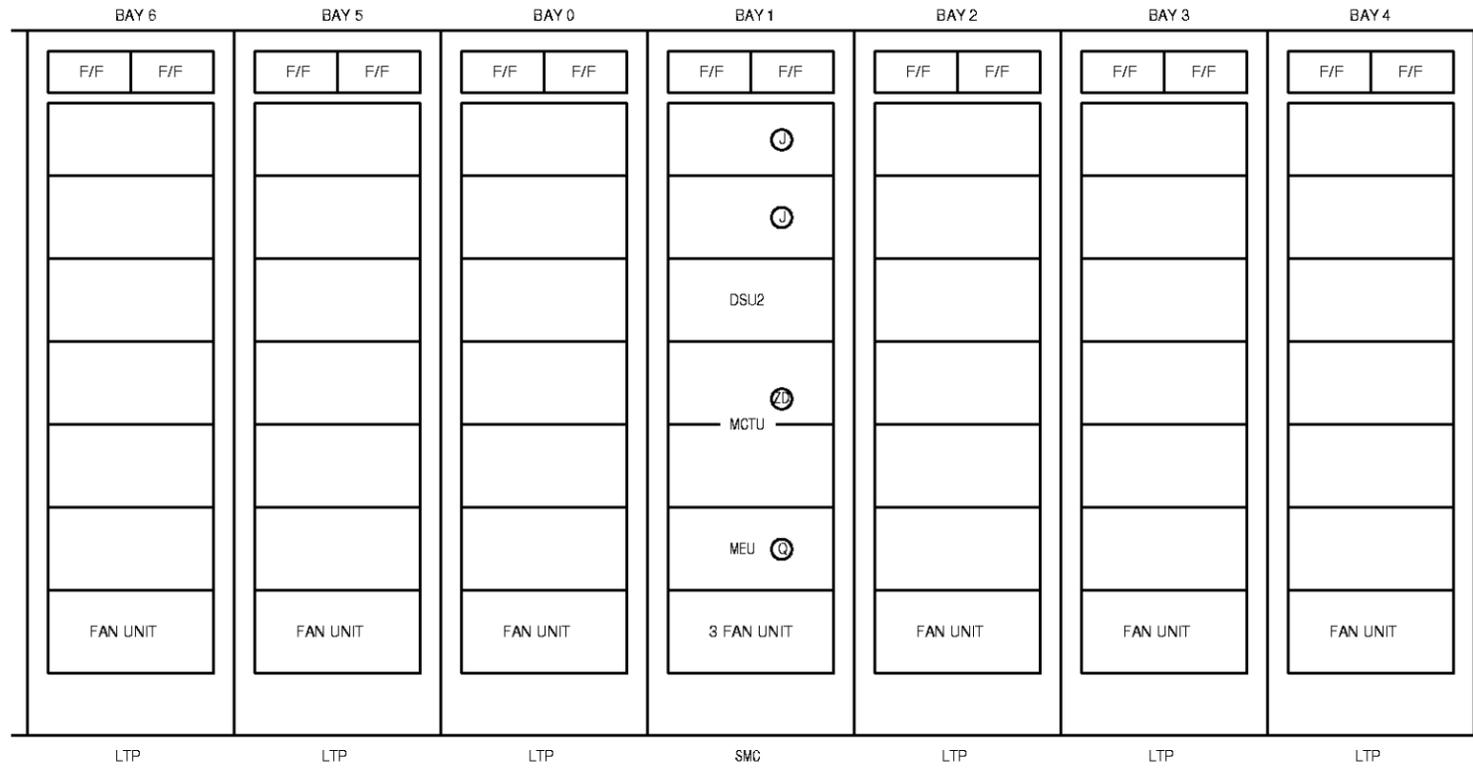
217. LTP CABINET CONFIGURATION TO ALLOW (2) ISLU'S IS AS SHOWN:



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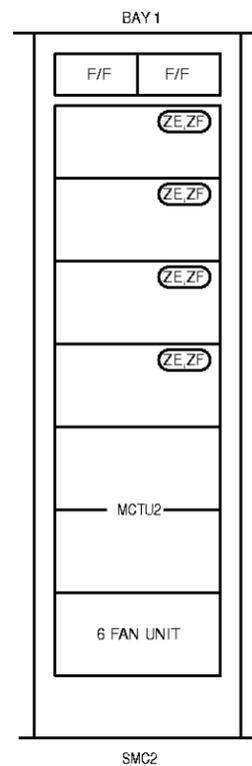
EQUIPMENT NOTE (CONT):

218. EXPORT GENERIC 5EE4 AND LATER 6 LTP SM CONFIGURATION:



SUB-NOTES:

- A. LTP CABINET EQUIPPAGE RULES ARE THE SAME FOR BAYS 5 & 6 AS ALL OTHER LTP CABINETS IN A SM.
- B. OPTION (Z) REQUIRES A SPLIT-BUS F/F UNIT.



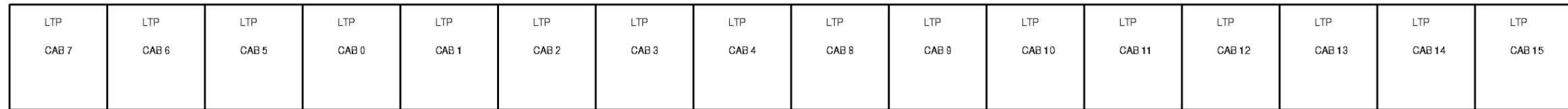
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EQUIPMENT NOTE (CONT):

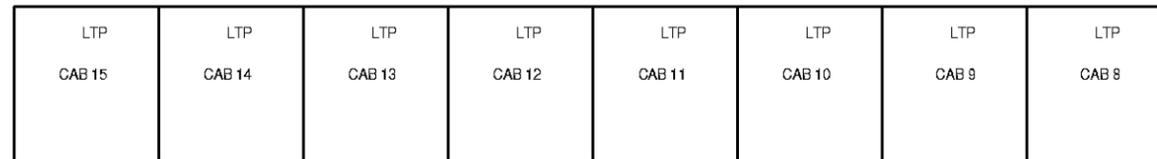
219. INTERNATIONAL APPLICATION-  
TO PROVIDE ADDITIONAL LTP CABINETS TO SUPPORT  
ADDITIONAL FPPMUS. HERE ARE THE CONFIGURATION RULES

1. A MAXIMUM OF (8) ADDITIONAL LTP CABINETS IS ALLOWED WITH CABINETS NUMBERED "7" THRU "15"
2. LTP CABINET "7" SHALL BE LOCATED TO THE LEFT OF LTP CABINET "6" AS VIEWED FROM EQUIPMENT SIDE
3. LTP CABINETS "8" THRU "15" SHALL BE LOCATED EITHER TO THE RIGHT OF LTP CABINET "4" OR ACROSS THE WIRING AISLE FROM ITS SMC CABINET. STARTING WITH LTP CABINET "8" LOCATED DIRECTLY ACROSS FROM LTP CABINET "4".
4. A CROSS-AISLE CABLE RACK AT THE SMC CABINET IS REQUIRED, IF THE CROSS-AISLE LTP ARRANGEMENT IS USED.
5. FPPMUS CAN BE EQUIPPED IN ANY LTP CABINET.
6. THESE ARE PRE CROSS-AISLE PICB/PIDB RULES, WHERE THE PICB/PIDB LINKED PERIPHERALS CAN ONLY BE EQUIPPED IN THE SMC, AND LTPS 0, 2-6

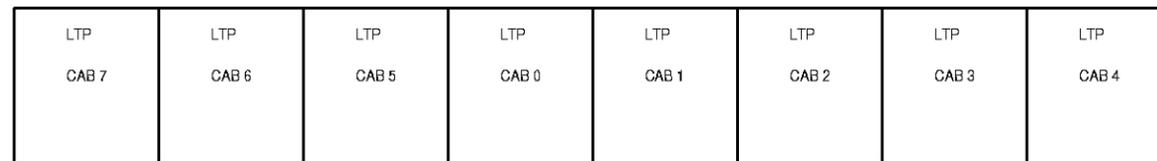
**214** OPTION - SINGLE LINE UP



**214** OPTION - CROSS AISLE ARRANGEMENT



WIRING AISLE

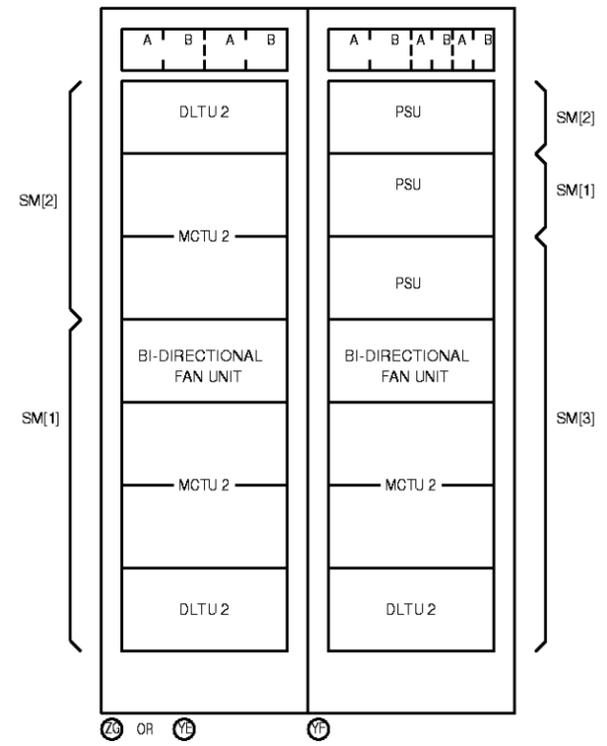


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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
Lucent Technologies, Inc.	SD-5D012-02	SHEET D9

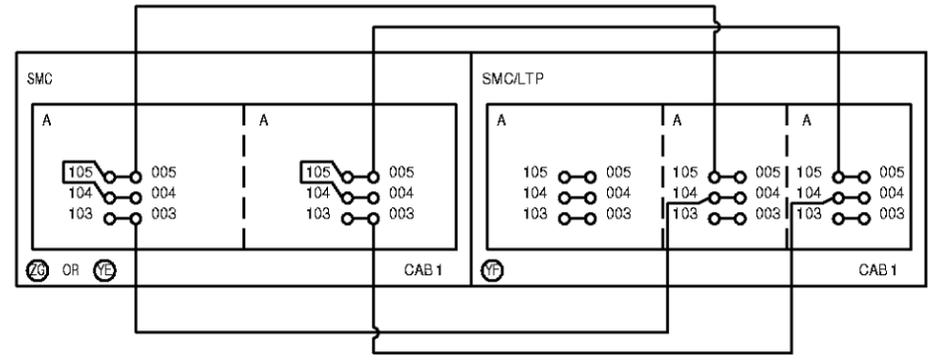
EQUIPMENT NOTE (CONT):

220. SHARED SM CONFIGURATION

THESE (2) SINGLE BAY SM'S SHARE THE PSU SHELVES REDUCING THE NUMBER OF CABINETS REQUIRED.



PERIPHERAL FUSE ALARM MULT  
(EXAMPLE: SHOWING BUS "A" ONLY)



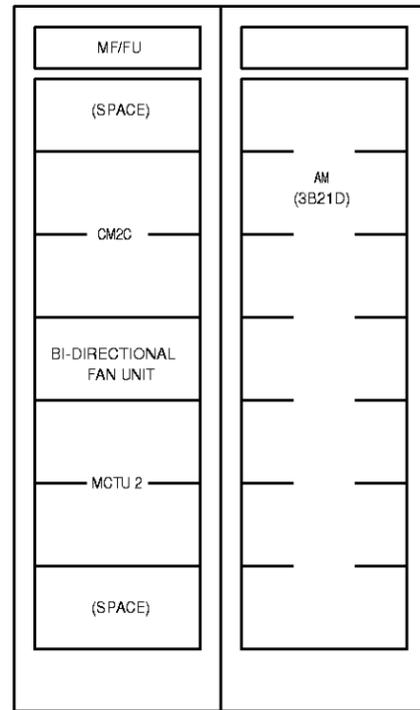
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SWITCHING MODULE APPLICATION	DWG SIZE	ISSUE
	C2	13B
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EQUIPMENT NOTE (CONT):

221. CM2C/SM FOR SMALL OFFICE APPLICATION

CM2C MOUNTED IN A SMC CABINET

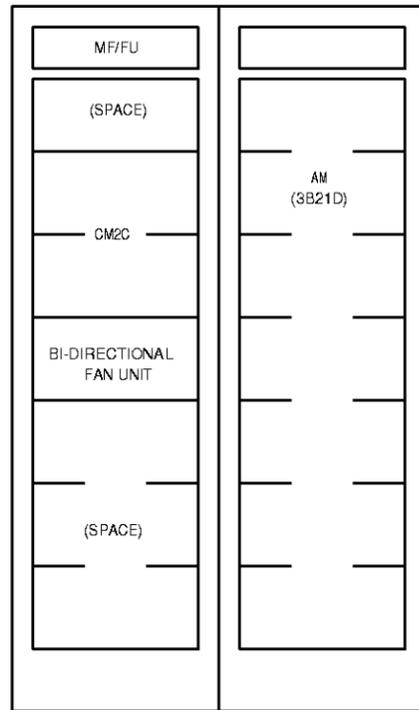
← REMAINDER OF SM      → AM GROWTH



SMC CAB 1

CM2C MOUNTED IN A LTP CABINET

← REMAINDER OF SM      → AM GROWTH



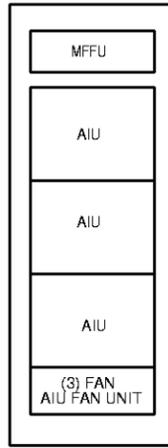
LTP CABS 2-4

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EQUIPMENT NOTES(CONT.)

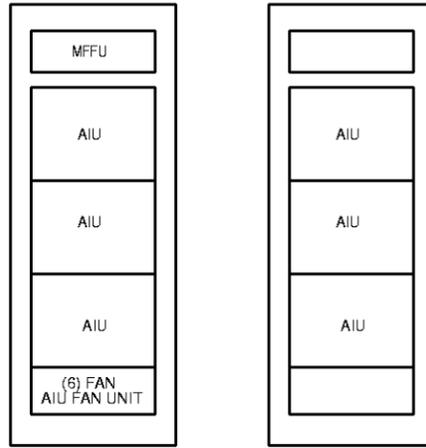
222. AIU CAN BE OBTAINED IN TWO CONFIGURATIONS ONLY
1. (3) AIU SHELVES IN A 21 00" DEPTH STANDARD CABINET OR A STANDARD 2000 CABINET.
  2. (6) AIU SHELVES IN THE AIU CABINET.

(CONFIG. 1)



EQUIPMENT SIDE VIEW

(CONFIG. 2)



EQUIPMENT SIDE VIEW

WIRING SIDE VIEW

EQUIPMENT SIDE  
(3) AIU SHELVES

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	C2	13B
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0 1 2 3 4 5 6 7 8 9

A  
B  
C  
D  
E  
F  
G  
H

INFORMATION NOTES:

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

302.

FEATURE OR OPTION	PROVIDE		QUANTITY
	APP FIG	APP OR WBG	

303.

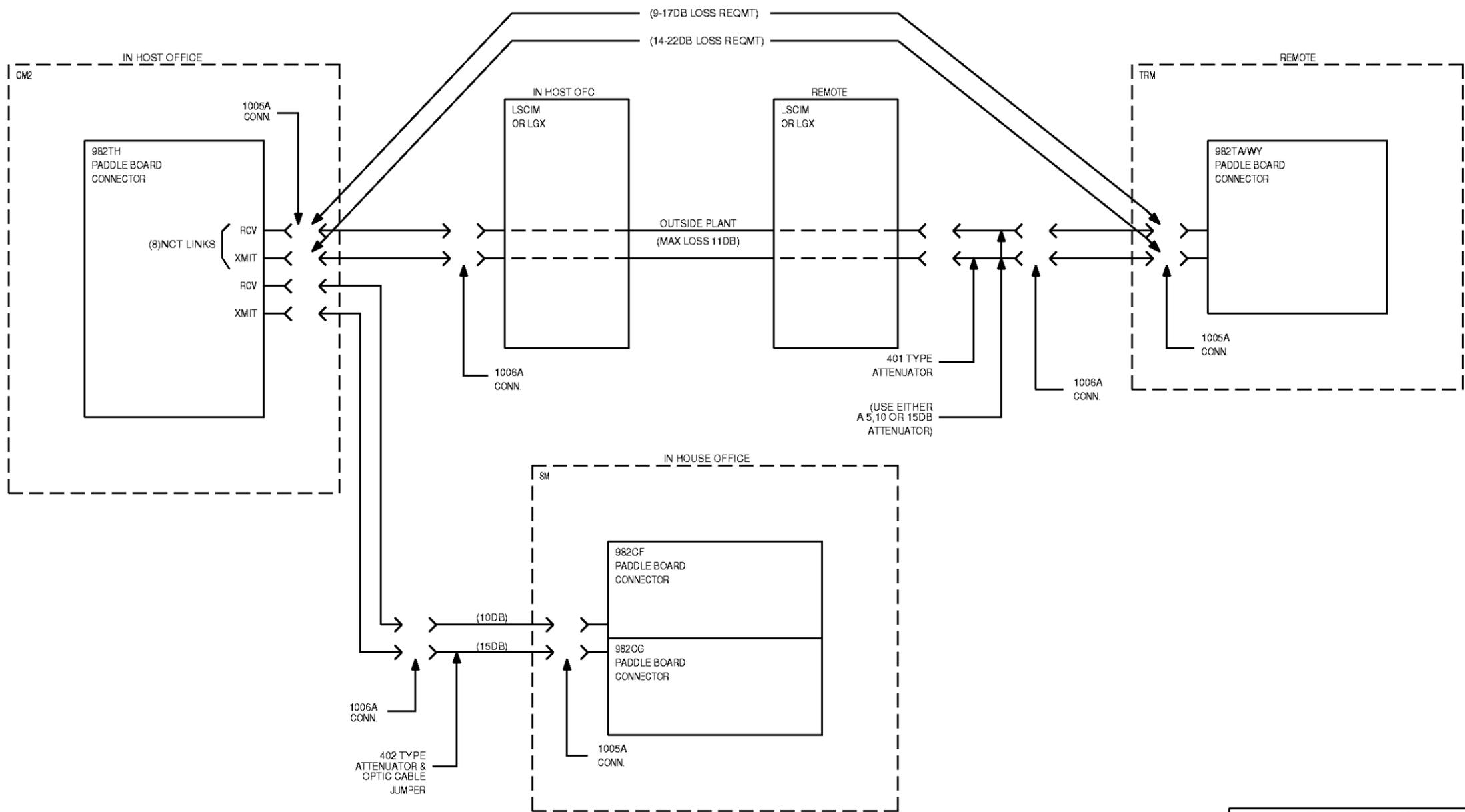
RECORD OF FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA

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	C2	13B
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0 1 2 3 4 5 6 7 8 9

# BD1

TYPICAL CM2 TO TRM INTERCONNECTION  
AND POSSIBLE CM2 TO SM INTERCONNECTION  
FROM THE SAME 982TH CONNECTOR



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	C2	13B
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