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	B43	33
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DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1 APPX –	2D	2D APPX –	3D	3D APPX –
4BU	3D APPX 1BU	5B	3D APPX 2B	6D	4D APPX –
7B	4D APPX 1B	8AC	4D APPX 2AC	9AC	5AC APPX –
10A	6A APPX –	11AC	6A APPX 1AC	12B	6A APPX 2B
13D	6A APPX 3D	14BU	7BU APPX –	15B	7BU APPX 1B
16D	7BC APPX 2D	17D	8D APPX –	18A	9A APPX –
19M	9A APPX 1M	20A	10A APPX –	21M	11M APPX –
22A	12A APPX –	23B	13B APPX –	24M	14M APPX –

DWG ISS	CD ISS	DATE ISSD	DRN	APP
25B	15B APPX –	7-10-91		
26M	16M APPX –	7-10-91		
27M	17M APPX –	11-8-91		
28B	18B APPX –	1-09-92		
29M	19M APPX –	2-15-93		
30M	20M APPX –	5-21-93		
31M	21M APPX –	12-16-94		
32M	22M APPX –	12-19-96		
33M	23M APPX –	12-19-96		
34M	24M APPX –	1-16-97		
35M	25M APPX –	3-27-97		
36M	26M APPX –	1-21-98		
37M	27M APPX –	3-18-98		

SUPPORTING INFORMATION

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
5ESS ©	IH	AC POWER DISTRIBUTION	SD-5D004-01
		COMMON NETWORK INTERFACE	SD-3F019-01
		COMMUNICATIONS MODULE, MODEL 2	SD-5D140-01
		OPERATIONAL SUPPORT SYSTEMS	SD-5D071-01
		DC POWER DISTRIBUTION	SD-5D005-01
		EQUIPMENT REQUIREMENTS	SD-5D007-01
		INTERCABINET COMMUNICATIONS	SD-5D139-01
		SM APPLICATION	SD-5D012-01
		SWITCHING MODULE CONTROL	SD-5D118-01
		LINE TRUNK PERIPHERAL	SD-5D119-01
		MASTER CONTROL CENTER CONSOLE	SD-5D101-01
		MASTER CONTROL CENTER CABINET	SD-5D114-01
		MESSAGE SWITCH	SD-5D146-01
		MISCELLANEOUS CABINET (6 FT)	SD-5D130-01
		MISCELLANEOUS CABINET (7 FT)	SD-5D120-01
		TEST ACCESS UNIT	SD-5D099-01
		TIME MULTIPLEXED SWITCH	SD-5D147-01

SUPPORTING INFORMATION

CATEGORY	NO.
3B20D MODEL 2 AND MODEL 3	SD-4C122-01
DIRECTLY CONNECTED TEST UNIT	SD-2P077-01
LINE UNIT	SD-5D052-01
MODULE METALLIC SERVICE/ SWITCH UNIT	SD-5D015-01
DIGITAL CARRIER LINE UNIT	SD-5D202-01
OPERATOR SERVICES POSITIONS SYSTEM (OSPS) APPLICATION SCHEMATIC	SD-5D135-01
REMOTE INTEGRATED SERVICES LINE UNIT (RISLU)	SD-5D123-01
APPLICATIONS PROCESSOR APPLICATION SCHEMATIC	SD-1C956-01
SM-2000 APPLICATION SCHEMATIC	SD-5D518-01

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.

BT13

5ESS ® SWITCHING EQUIPMENT

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE	ISSUE
C2	37M

Lucent Technologies | SD-5D014-02 | SHEET A1 81

SHEET INDEX

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 37M

Lucent Technologies | SD-5D014-02 | SHEET: A2

DESIGNATION MNEMONICS INDEX

MNEMONICS	AS NO	DEFINITION
ALIT	AS 1	AUTOMATIC LINE INSULATION TEST
AMAT	AS 2	AUTOMATIC MESSAGE ACCOUNTING TELEPROCESSOR
AMARC	AS 1	AUTOMATIC MESSAGE ACCOUNTING RECORDING CENTER
AP	AS 1	APPLICATIONS PROCESSOR
CDAC	AS 1	CONTROL AND DIAGNOSTIC ACCESS
CM2	AS 5	COMMUNICATIONS MODULE MODEL 2
CM2C	AS 18	COMMUNICATIONS MODULE MODEL 2 COMPACT
CNI	AS 6	COMMON NETWORK INTERFACE
CP	AS 3	CIRCUIT PACK
CSPC	AS 5 & 6	COMMON SYSTEMS PROCESSOR CABINET
CSPGC	AS 5 & 6	COMMON SYSTEMS PERIPHERAL GROWTH CABINET
CTTU	AS 2	CENTRAL TRUNK TEST UNIT
DAS/C	AS 10	DIRECTORY ASSISTANCE SYSTEM/COMPUTER
DBU	AS 1	DIAL BACK-UP
DCLU	AS 8	DIGITAL CARRIER LINE UNIT
DCTU	AS 8	DIRECTLY CONNECTED TEST UNIT
DF	AS 3	DISTRIBUTING FRAME
DFA	AS 6	DIGITAL FACILITY ACCESS CABINET
DLN	AS 6	DIRECT LINE NODE
DMA	AS 2	DIRECT MEMORY ACCESS UNIT
DPC	AS 1	DISK POWER CABINET
DSCH	AS 2	DIGITAL SIGNAL CHANNEL
DSX	AS 1	DIGITAL SIGNAL CROSS-CONNECT
EADAS	AS 1	ENGINEERING AND ADMINISTRATIVE DATA ACQUISITION SYSTEM
ESS	AS 1	ELECTRONIC SWITCHING SYSTEM
EXM2000	AS 19	EXTENDED SWITCHING MODULE
FPS	AS 1	FOUNDATION PERIPHERAL CONTROLLER
HMC	AS 15	HIGHGATE MODULE
ICC	AS 1	INTERCABINET COMMUNICATIONS CIRCUIT
IOP	AS 1	INPUT/OUTPUT PROCESSOR UNIT
LAMA	AS 1	LOCAL AUTOMATIC MESSAGE ACCOUNTING
LSCI	AS 3	LIGHTGUIDE STRANDED CABLE INTERCONNECTION
LSCIM	AS 3	LIGHTGUIDE STRANDED CABLE INTERCONNECTION MODULE
LTD	AS 1	LOCAL TEST DESK
LTP	AS 2	LINE TRUNK PERIPHERAL CABINET
LU	AS 8	LINE UNIT
MCC	AS 1	MASTER CONTROL CENTER
MDF	AS 2	MAIN DISTRIBUTING FRAME
MMSU	AS 8	MODULAR METALLIC SERVICE/SWITCH UNIT
MHD	AS 1	MOVING HEAD DISK FRAME
MLHG	AS 16	MULTI LINE HUNT GROUP
MLT2	AS 2	MECHANIZED LOOP TESTING 2
MSG	AS 1	MESSAGE SWITCH CABINET
MTTY	AS 2	MAINTENANCE TELETYPEWRITER
NAC	AS 1	NETWORK ADMINISTRATION CENTER
NCT	AS 1	NETWORK CONTROL TIMING
NRC	AS 2	NETWORK REFERENCE CLOCK
OAP	AS 10	OPERATOR ADMINISTRATION PROCESSOR
ORM	AS 12	OPTICALLY REMOTED MODULE
ORP	AS 1	OFFICE RECORD PRINTER
OSPS	AS 10	OPERATOR SERVICES POSITION SYSTEM
PC	AS 1	PERIPHERAL CONTROL (COMMUNITY CIRCUIT PACK, ETC.)
PCCA	AS 1	PROCESSOR CONTROL CABINET
PIC	AS 5	PERIPHERAL INTERFACE CABINET
RC	AS 1	RECENT CHANGE
RC CTR	AS 1	RECENT CHANGE CENTER
RC/VFY	AS 1	RECENT CHANGE AND VERIFY
RISLU	AS 11	REMOTE INTEGRATED SERVICES LINE UNIT
RMAS	AS 1	REMOTE MEMORY ADMINISTRATION CENTER

MNEMONICS	AS NO	DEFINITION
RNC	AS 6	RING NODE CABINET
ROP	AS 1	READ ONLY PRINTER
RPC	AS 6	RING PERIPHERAL CONTROLLER
RSB	AS 1	REPAIR SERVICE BUREAU
SCANS	AS 1	SOFTWARE CHANGE ADMINISTRATION AND NOTIFICATION SYSTEM
SCC	AS 1	SWITCHING CONTROL CENTER
SCSD	AS 1	SCAN AND SIGNAL DISTRIBUTOR
SCSI	AS 4-6	SMALL COMPUTER SYSTEM INTERFACE
SDLC	AS 1	SYNCHRONOUS DATA LINK CONTROLLER
SES2	AS 1	SYSTEM EVALUATION SYSTEM 2
SM	AS 1	SWITCHING MODULE
SMC	AS 2	SWITCHING MODULE CONTROL CABINET
STLWS	AS 2	SUPPLEMENTARY TRUNK LINE WORK STATION
TBSU	AS 2	TEST BUS CONTROL UNIT
TMS	AS 2	TIME MULTIPLEXED SWITCH
TMSRC	AS 2	TIME MULTIPLEXED SWITCH REFERENCE CLOCK
TMT	AS 2	TRANSMISSION MAINTENANCE TERMINAL
TRM	AS 13	TWO MILE OPTICALLY REMOVED MODULE
TTY	AS 1	TELETYPEWRITER
TUCA	AS 1	TAPE CABINET
ATM	AS 21	ASYNCHROUS TRANSFER MODE (ATM)
IWF	AS 22	INTERWORKING FUNCTION
RTCD	AS 23	REAL TIME CALL DETAIL
STC	AS 24	SIGNALLING TRANSFER CABINET

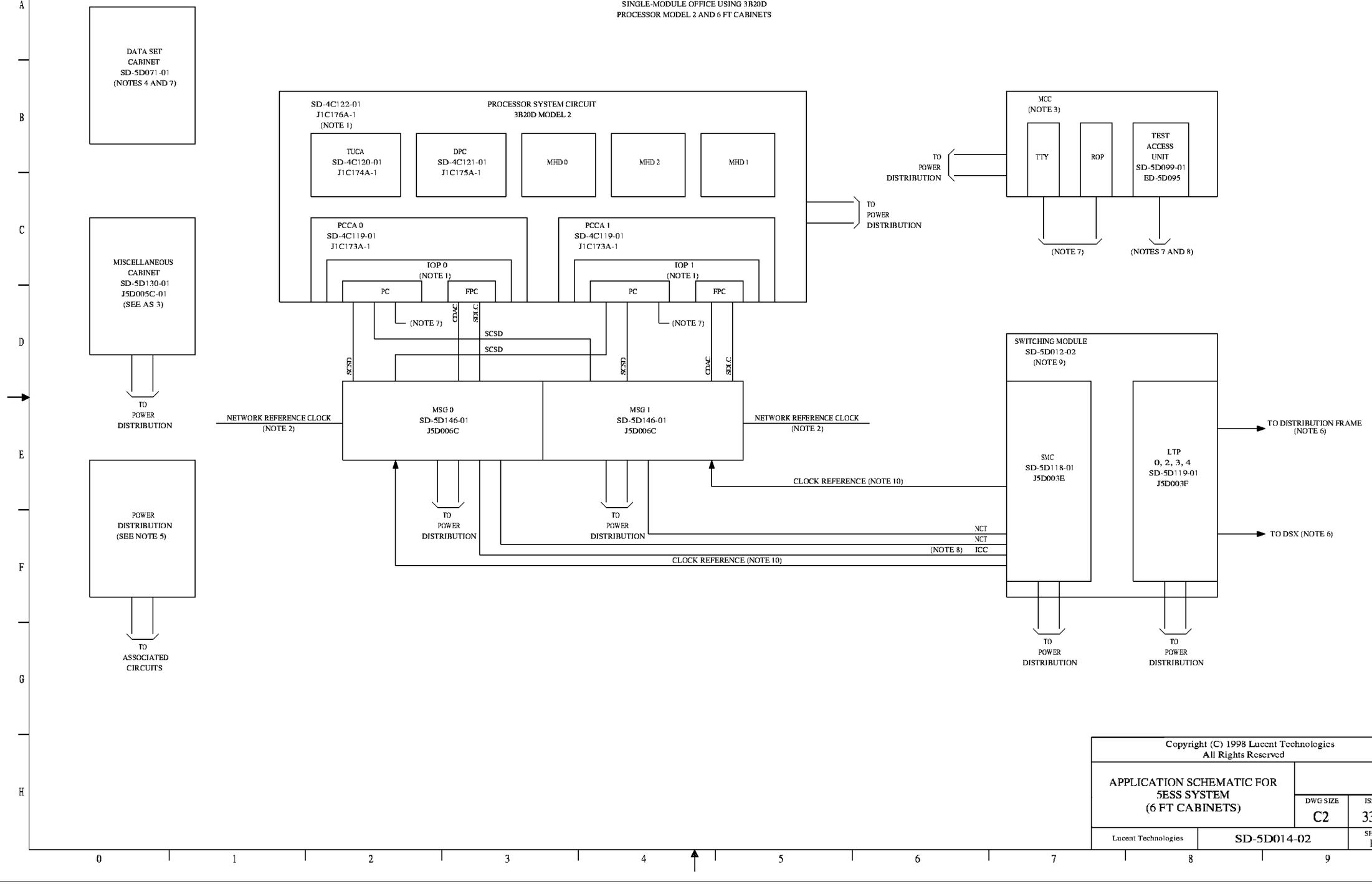
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 37M

Lucent Technologies | SD-5D014-02 | SHEET: A3

PART OF AS 1

SINGLE-MODULE OFFICE USING 3B20D
PROCESSOR MODEL 2 AND 6 FT CABINETS



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B1

PART OF AS 1

SINGLE-MODULE OFFICE USING 3B20D
PROCESSOR MODEL 2 AND 6 FT CABINETS

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B20D MODEL 2 IS CONTAINED IN SD-4C122-01. EQUIPMENT INFORMATION IS CONTAINED IN J1C176A-1. SUPPLEMENTARY INFORMATION NECESSARY TO UTILIZE THE 3B20D MODEL 2 WITH 5ESS SINGLE MODULE APPLICATIONS CAN BE FOUND IN TABLE AA AND TABLE BA.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   .MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)

   .MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A)

4. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR DATA EQUIPMENT:

   .DATA SET CABINET (OUT OF LINE-UP) - (REFERENCE: ED-5D061-50)
   SD-5D071-01)

   .DATA SET CABINET (IN LINE-UP) - (REFERENCE: ED-5D522-50)
   SD-5D071-01)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01.
   DC POWER DISTRIBUTION IS IN SD-5D005-01.

6. ALL CABLES ASSOCIATED WITH THE NO. 5ESS ARE DEFINED IN:

   ED-5D500-10 (INTRACABINET CABLES)
   ED-5D500-11 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED (PER TABLE BA). REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORT SYSTEMS.

8. REFERENCE SD-5D139-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENTS RULES) FOR SPECIFIC EQUIPMENTS REQUIREMENTS IN REGARDS TO PICB, PIDB, MTB & ETC.

10. FOR EXPORT APPLICATIONS, EXTERNAL NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED VIA DFI IN THE DLTU-E LOCATED IN THE SWITCHING MODULE.

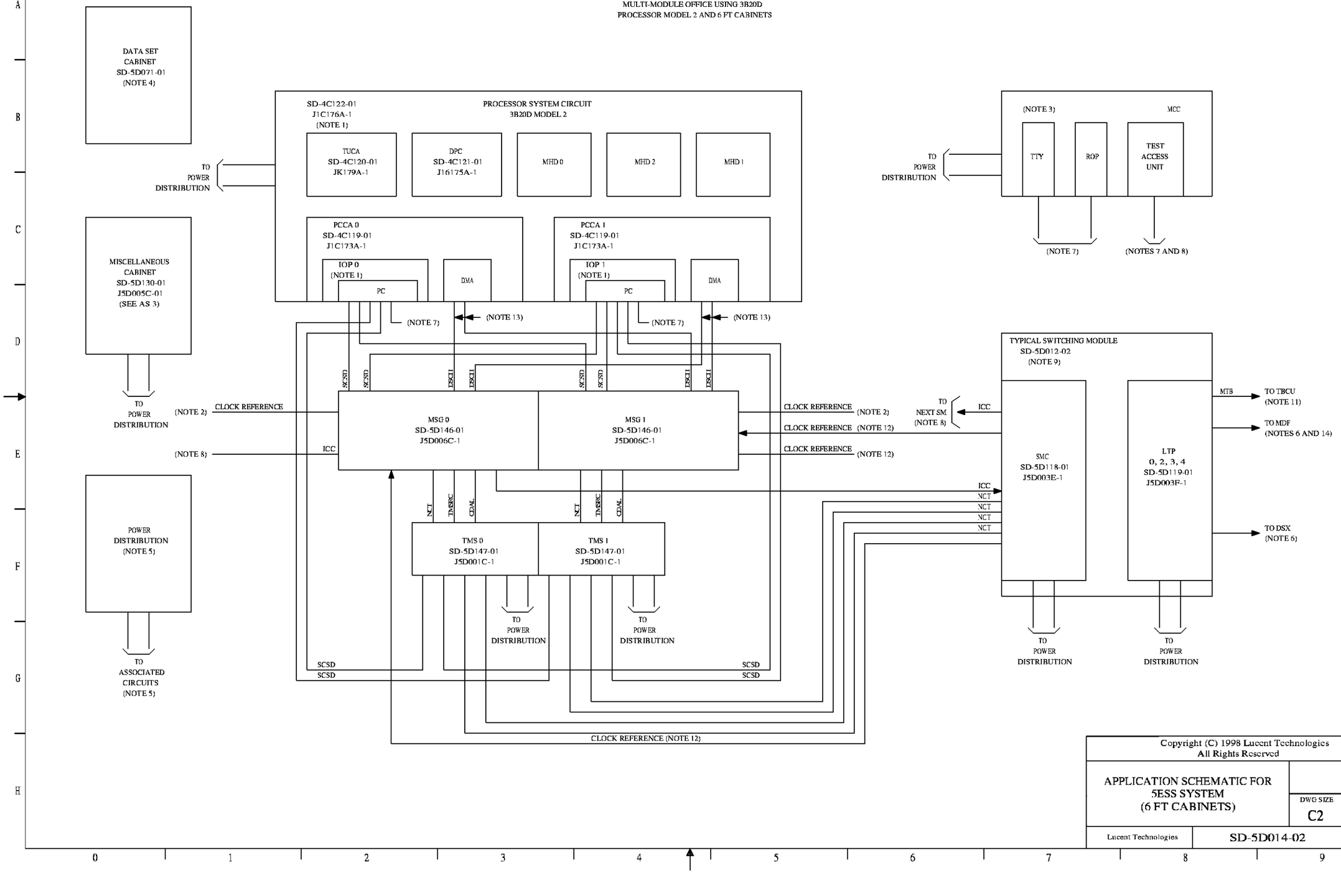
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET B2

PART OF FS 2

MULTI-MODULE OFFICE USING 3B20D
PROCESSOR MODEL 2 AND 6 FT CABINETS



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B3

PART OF FS 2

MULTI-MODULE OFFICE USING 3B20D
PROCESSOR MODEL 2 AND 6 FT CABINETS

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B20D MODEL 2 IS CONTAINED IN SD-4C122-01. EQUIPMENT INFORMATION IS CONTAINED IN J1C176A-1. SUPPLEMENTARY INFORMATION NECESSARY TO UTILIZE THE 3B20D MODEL 2 WITH 5ESS MULTI MODULE APPLICATIONS CAN BE FOUND IN TABLE AA AND TABLE BB OR BC.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   .MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)
   .MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A-01)

4. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   .DATA SET CABINET (OUT OF LINE UP) - (REFERENCE: SD-5D071-01)
   ED-5D061-50)
   .DATA SET CABINET (IN LINE UP) - (REFERENCE : SD-5D071-01)
   ED-5D522-50)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01
   DC POWER DISTRIBUTION IS IN SD-5D005-01

6. ALL CABLES ASSOCIATED WITH THE 5ESS ARE DEFINED IN:

   ED-5D500-10 (INTRACABINET CABLES)
   ED-5D500-11 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED PER TABLE BB OR BC. REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORT SYSTEMS.

8. REFERENCE SD-5D139-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB,PIDB,MTB & ETC.

10. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR THE STLWS:

    .MONOCHROME MONITOR (REF J5D002A-1, SD-5D114-01)

    .COLOR MONITOR (REF J5D002A-1, SD-5D114-01)

11. TBCU IS REQUIRED FOR INTEGRATED SLC-96 APPLICATIONS AND IS LOCATED IN THE TRANSMISSION AREA OF THE 5ESS SWITCHING OFFICE. THE NUMBER OF MTB CONNECTIONS IS JOB ENGINEERED. (REFERENCE: SD-97791, J-1C189)

12. FOR INTERNATIONAL APPLICATIONS, THE T1 CLOCK REFERENCE MAY BE PROVIDED VIA THE DLTU-E AND/OR VIA A DSX CABINET.

13. SEE EQUIPMENT NOTE 212 OF THIS DRAWING FOR DUAL SERIAL CHANNEL ASSIGNMENTS.

14. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

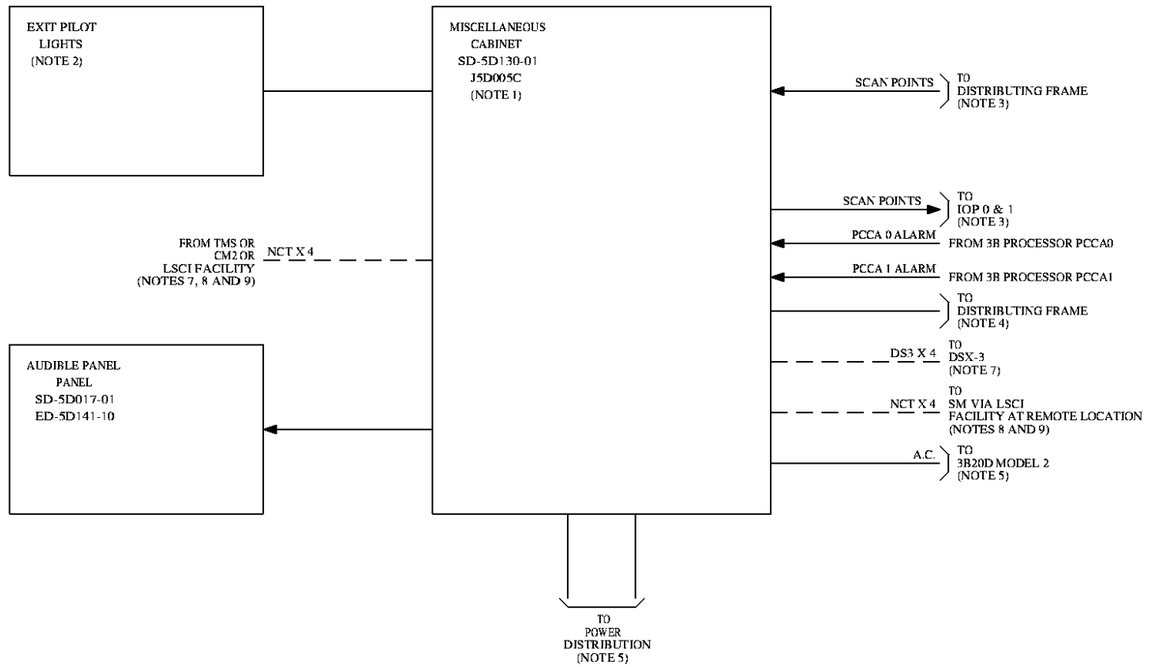
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B4

AS 3

MISCELLANEOUS CABINET (6 FT)



NOTES:

1. AT LEAST ONE MISCELLANEOUS CABINET IS REQUIRED PER OFFICE. EQUIPMENT OPTIONS OF CABINET ARE:

   - OFFICE ALARM UNIT
   - RESISTOR PANEL(S)
   - INVERTER
   - DIAL TONE DELAY ALARM UNIT
   - 13A RECORDER ANNOUNCEMENT UNIT(S)
   - 14A RECORDER ANNOUNCEMENT UNIT(S)
   - MUSIC ON QUEUE UNIT(S)
   - 13A/14A REMOTE RECORD UNIT

   THIS LIST MAY BE INCLUSIVE. REFERENCE J5D005C FOR SPECIFIC EQUIPAGE.

2. EXIT PILOT LIGHTS ARE DRIVEN BY THE OFFICE ALARM UNIT. (REFERENCE SD-5D017-01)

3. THE OFFICE ALARM UNIT PROVIDES OPTIONAL ISOLATION BETWEEN CUSTOMER ASSIGNED SCAN POINTS AND THE UN33 (SCSD) CIRCUIT PACKS ON THE IOP. REFERENCE SD-5D007-01 FOR SPECIFIC SCAN POINT ASSIGNMENTS AT THE IOP.

4. ALL CABLES, FOR MISCELLANEOUS CABINET UNITS ARE COVERED IN:

   ED-5D500-20 INTRACABINET
   ED-5D500-21 INTERCABINET

5. REFERENCE:

   SD-5D004-01 A.C. POWER DISTRIBUTION
   SD-5D005-01 D.C. POWER DISTRIBUTION

6. REFERENCE:

   SD-5D044-01
   J5D005AA-1

   FOR INFORMATION ON THE RESISTOR PANEL.

7. IN ORM APPLICATIONS, NCT LINKS FROM TMS OR CM2 TERMINATE ON TRCU AT HOST LOCATION. THE LINKS EXIT AS DS3 LINKS TO THE DSX-3 BAY.

8. IN TRM APPLICATIONS AT THE HOST LOCATION, NCT LINKS FROM TMS OR CM2 MAY TERMINATE ON LSCIM IN MISCELLANEOUS CABINET AND EXIT AS NCT LINKS TO LSCI FACILITY AT REMOTE LOCATION. IN TRM APPLICATIONS AT THE REMOTE LOCATION, NCT LINKS FROM HOST LOCATION MAY TERMINATE ON LSCIM IN MISCELLANEOUS CABINET AND EXIT AS NCT LINKS TO SM.

9. THE FIBER SPAN BETWEEN THE HOST AND REMOTE LOCATIONS MAY TERMINATE ON LSCIM IN MISCELLANEOUS CABINET ONLY IF NON-METALLIC SHEATHED OPTICAL CABLE IS UTILIZED. APPLICATIONS USING METALLIC SHEATHED CABLE MUST UTILIZE LSCI FACILITIES WHICH ARE EXTERNAL TO THE 5ESS® LINE-UP TO MAINTAIN INTEGRITY OF ESS GROUND. THIS APPLIES TO HOST AND REMOTE ENDS OF THE OPTICAL LINK.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B5

PART OF AS 4

MULTI SWITCHING MODULE 5ESS
SWITCHING OFFICE UTILIZING 3B20D
MODEL 3 PROCESSOR FOR 5ESS

DATA SET CABINET
SD-5D071-01
(NOTE 4)

3B20D MODEL 3 PROCESSOR FOR 5ESS®
(SEE AS 4A, AS 4B AND AS 4C FOR VARIOUS CONFIGURATION)

TO POWER DISTRIBUTION

PCCA 0
IOP 0
PC
DMA

PCCA 1
IOP 1
PC
DMA

(NOTE 7)
(NOTE 13)
(NOTE 7)
(NOTE 13)

SCSD
SCSD
DSCI
DSCI
SCSD
SCSD
DSCI
DSCI

MISCELLANEOUS CABINET
SD-5D130-01
J5D005C-01
(SEE AS 3)

TO POWER DISTRIBUTION

(NOTE 2) CLOCK REFERENCE

MSG 0
SD-5D146-01
J5D006C-1

MSG 1
SD-5D146-01
J5D006C-1

CLOCK REFERENCE (NOTE 2)

(NOTE 8) ICC

CLOCK REFERENCE (NOTE 12)

POWER DISTRIBUTION (NOTE 5)

TO ASSOCIATED CIRCUITS (NOTE 5)

NCT
TDSRC
CDAL
NCT
TDSRC
CDAL

TMS 0
SD-5D147-01
J5D001C-1

TMS 1
SD-5D147-01
J5D001C-1

TO POWER DISTRIBUTION
TO POWER DISTRIBUTION

SCSD
SCSD
SCSD
SCSD

CLOCK REFERENCE (NOTE 12)

(NOTE 3)
MCC
TTY
ROP
TEST ACCESS UNIT

TO POWER DISTRIBUTION

(NOTE 7)
(NOTES 7 AND 8)

REMOTE SWITCHING MODULE
SD-5D132-01
BD1
(NOTE 14)

TI VIA DSX & ORB

TYPICAL SWITCHING MODULE
SD-5D012-02
(NOTE 9)

TO NEXT IM (NOTE 8)
ICC

SMC
SD-5D118-01
J5D003E-1

LTP
0, 2, 3, 4
SD-5D119-01
J5D003F-1

ICC
NCT
NCT
NCT
NCT

TO MDF
(NOTES 6 AND 15)

MTR
TO TBCU (VIA MDF)
(NOTE 11)

TO DSX
(NOTE 6)

TO POWER DISTRIBUTION
TO POWER DISTRIBUTION

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B6

PART OF AS 4

MULTI SWITCHING MODULE 5ESS
SWITCHING OFFICE UTILIZING 3B20D
MODEL 3 PROCESSOR FOR 5ESS

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B20D MODEL 3 PROCESSOR FOR 5ESS IS CONTAINED IN SD-4C122-01 FOR 340MB MHD APPLICATIONS AND SD-4C122-02 FOR SCSI MHD APPLICATIONS. EQUIPMENT INFORMATION IS CONTAINED IN J1C176B-1 FOR 340MB MHD APPLICATIONS AND J1C176C-1 FOR SCSI MHD APPLICATIONS. SUPPLEMENTAL INFORMATION FOR 5ESS SWITCHING SYSTEM UTILIZATION IS FOUND IN TABLE AB AND TABLE BB,BC,BD,2A OR 2B.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   .MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)
   .MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A-01)

4. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   .DATA SET CABINET (OUT OF LINE UP) - (REFERENCE: SD-5D071-01)
   ED-5D061-50)
   .DATA SET CABINET (IN LINE UP) - (REFERENCE: SD-5D071-01)
   ED-5D522-50)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01.
   DC POWER DISTRIBUTION IS IN SD-5D005-01.

6. ALL CABLES ASSOCIATED WITH THE 5ESS ARE DEFINED IN:

   ED-5D500-20 (INTRACABINET CABLES)
   ED-5D500-21 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED PER TABLE BB,BC,BD,2A OR 2B. REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORTS SYSTEMS.

8. REFERENCE SD-5D139-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB,PIDB,MTB & ETC.

10. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR STLWS:

    MONOCHROME MONITOR
    COLOR MONITOR
    REFERENCE: J5D002A-1, SD-5D114-01

11. TBCU IS REQUIRED FOR INTEGRATED SLC-96 APPLICATIONS AND IS LOCATED IN THE TRANSMISSION AREA OF A 5ESS SWITCHING OFFICE. THE NUMBER OF MTB CONNECTIONS IS JOB ENGINEERED.

12. FOR INTERNATIONAL APPLICATIONS, EXTERNAL NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED VIA DFI IN THE DLTU-E LOCATED IN THE SWITCHING MODULE.

13. SEE EQUIPMENT NOTE 212 OF THIS DRAWING FOR DUAL SERIAL CHANNEL ASSIGNMENT.

14. FOR MULTI MODULE RSM APPLICATIONS SEE SD-5D133-01.

15. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

16. SEE EQUIPMENT NOTES 218 AND 219 FOR INFORMATION CONCERNING THE LOCATION OF THE SCSI DISKS WITHIN THE SCSI DISK CABINET.

17. SCSI MHDS CAN ONLY BE USED IN AN OFFICE WHICH CONTAINS A 5E6 OR GREATER SOFTWARE RELEASE.

18. INFORMATION FOR THE TUC, WHICH IS USED IN NEW OFFICE SHIPS OF SCSI MHDS, IN CONTAINED IN THE SCSI DISK CABINET DRAWINGS SD-3T006-01 AND J3T027A-1 AND IS REFERRED TO AS SCSI DISK CABINET OPTION (FIG. 3) AND NOT AS A TUC.

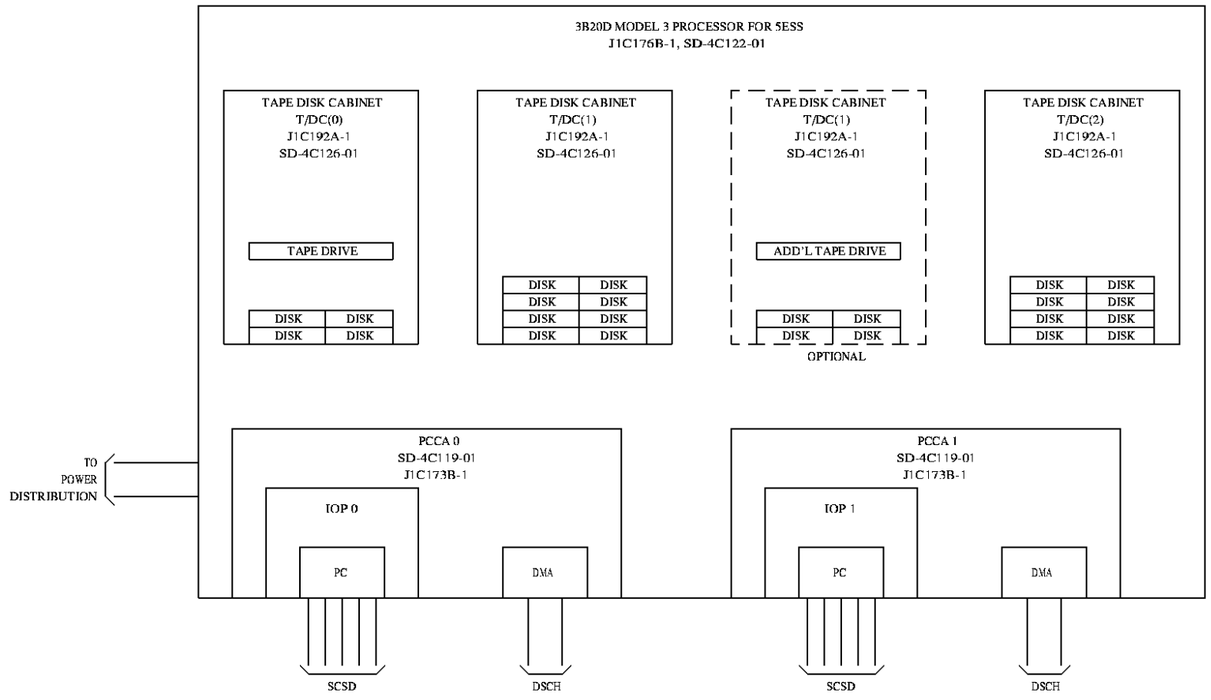
19. IN APPLICATIONS WHERE SCSI MHDS ARE EITHER GROWN ONTO OR CONVERTED FROM 340MB IN THE 3B20D MODEL 3 PROCESSOR. THE SCSI DISK CABINETS (SDC) ARE ORDERED FROM THE ED-4C473-36 KIT DRAWING AND NOT FROM THE J3T027-1 DRAWING.

    INTERNATIONAL DOES NOT ALLOW MIXING
    OF DISK TYPES (340MB MHD AND SCSI DUP).

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B7

AS 4A

MULTI SWITCHING MODULE 5ESS
SWITCHING OFFICE UTILIZING 3B20D
MODEL 3 PROCESSOR EQUIPPED WITH 340MB MHDS.



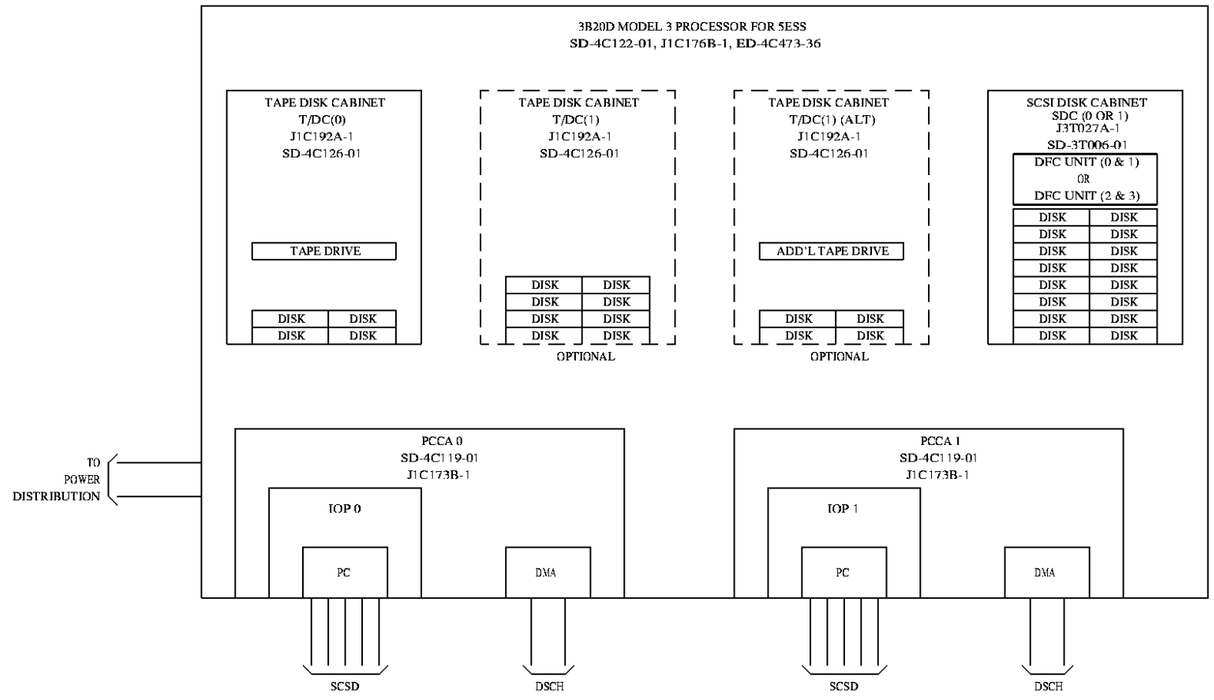
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B8

AS 4B

MULTI SWITCHING MODULE 5ESS
SWITCHING OFFICE UTILIZING 3B20D
MODEL 3 PROCESSOR EQUIPPED WITH 340MB MHDS
WHICH GROW SCSI MHDS
INTERNATIONAL DOES NOT ALLOW MIXING
OF DISKS (340MB MHD AND SCSI DUPS)



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

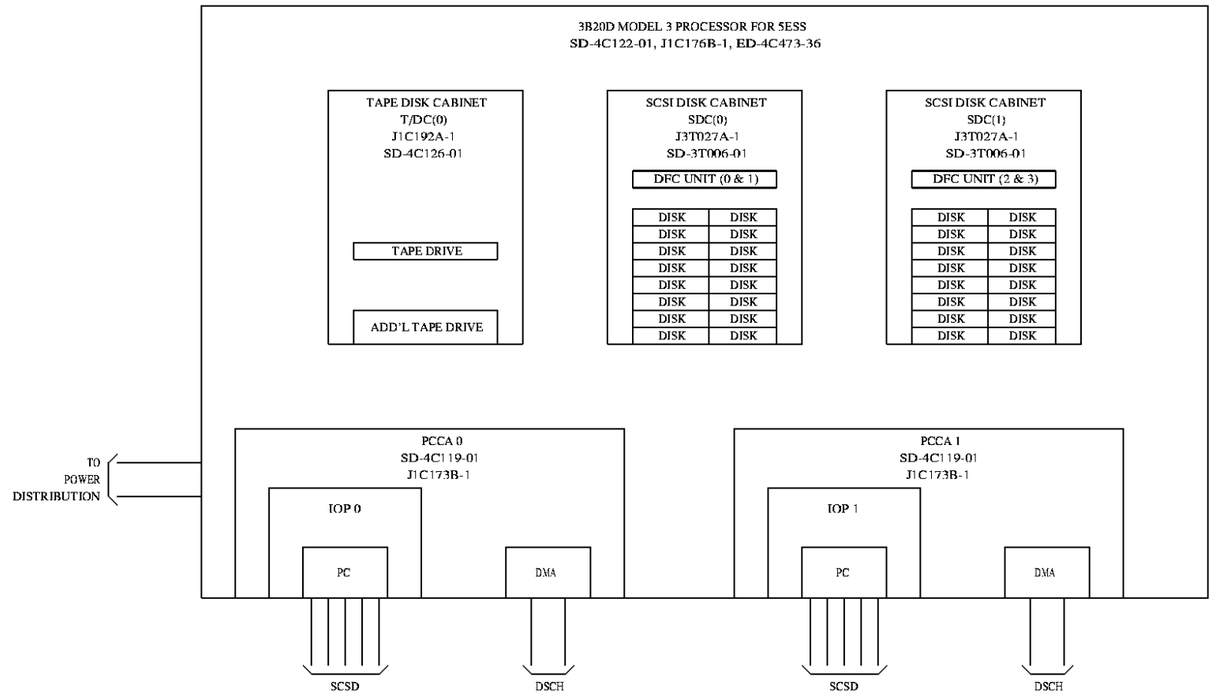
DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET B9

AS 4C

MULTI SWITCHING MODULE 5ESS
SWITCHING OFFICE UTILIZING 3B20D
MODEL 3 PROCESSOR EQUIPPED WITH 340MB MHDS
WHICH CONVERTS TO SCSI MHDS

INTERNATIONAL DOES NOT ALLOW MIXING OF
DISKS (340MB MHD AND SCSI DUP).



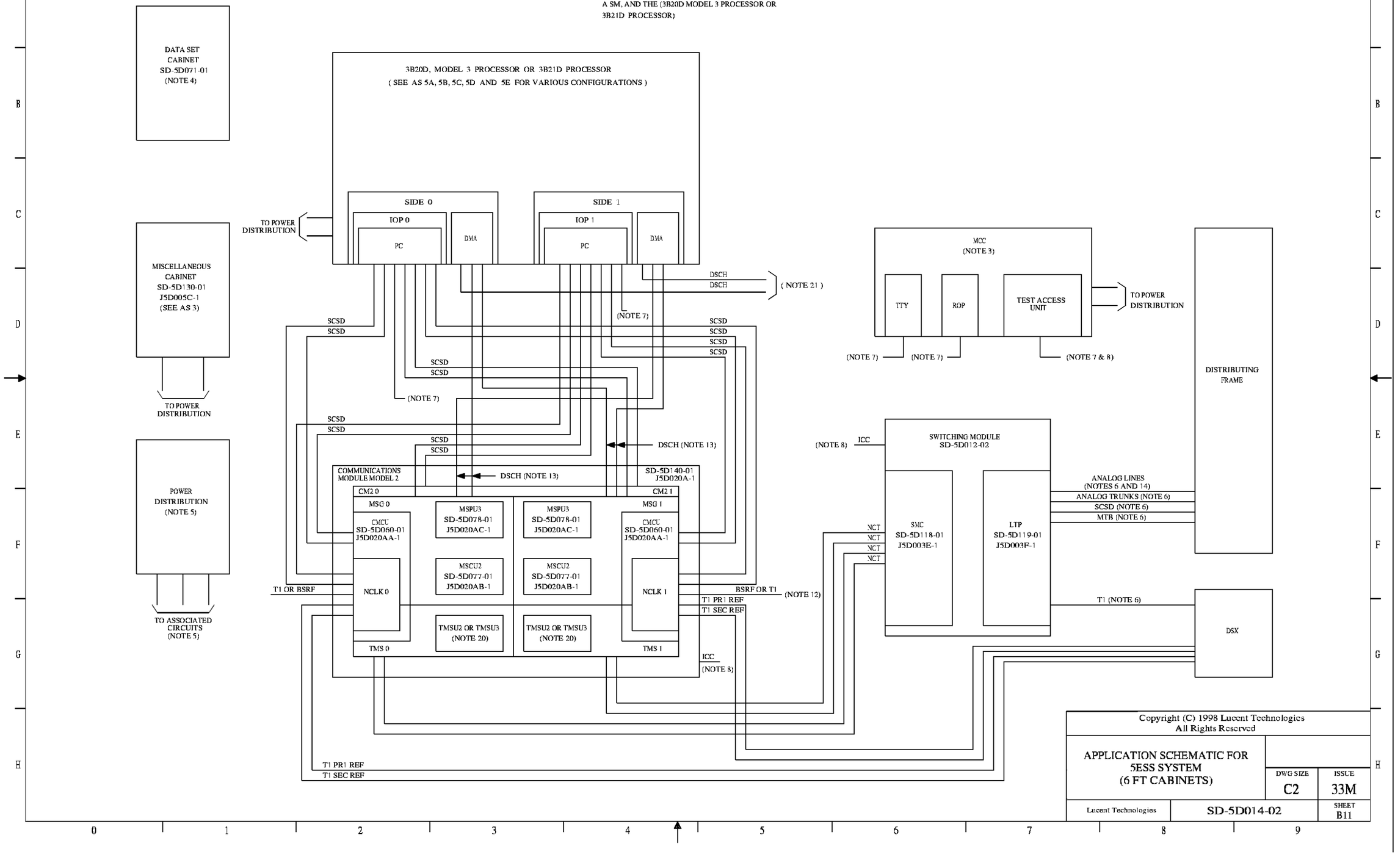
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B10

PART OF AS 5

MULTI-MODULE OFFICE UTILIZING A CM2,
A SM, AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B11

PART OF AS 5

MULTI-MODULE OFFICE UTILIZING A CM2,
A SM2000, AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)

DATA SET
CABINET
SD-5D071-01
(NOTE 4)

MISCELLANEOUS
CABINET
SD-5D130-01
J5D005C-1
(SEE AS 3)

TO POWER
DISTRIBUTION

POWER
DISTRIBUTION
(NOTE 5)

TO ASSOCIATED
CIRCUITS
(NOTE 5)

3B20D, MODEL 3 PROCESSOR OR 3B21D PROCESSOR
(SEE AS 5A, 5B, 5C, 5D AND 5E FOR VARIOUS CONFIGURATIONS)

TO POWER
DISTRIBUTION

SIDE 0
IOP 0
PC
DMA

SIDE 1
IOP 1
PC
DMA

DSCH
DSCH
(NOTE 21)

SCSD
SCSD
(NOTE 7)
SCSD
SCSD
SCSD
SCSD
SCSD
SCSD
(NOTE 7)
SCSD
SCSD
SCSD
SCSD
DSCH (NOTE 13)

COMMUNICATIONS
MODULE MODEL 2

DSCH (NOTE 13)

SD-5D140-01
J5D020A-1

CM2 0
MSG 0
CMCU
SD-5D060-01
J5D020AA-1
NCLK 0
TMS 0

MSPU3
SD-5D078-01
J5D020AC-1
MSCU2
SD-5D077-01
J5D020AB-1
TMSU2 OR TMSU3
(NOTE 20)

MSPU3
SD-5D078-01
J5D020AC-1
MSCU2
SD-5D077-01
J5D020AB-1
TMSU2 OR TMSU3
(NOTE 20)

CM2 1
MSG 1
CMCU
SD-5D060-01
J5D020AA-1
NCLK 1
TMS 1

T1 OR BSRF
BSRF OR T1
(NOTE 12)
T1 PR1 REF
T1 SEC REF
ICC
(NOTE 8)

T1 PR1 REF
T1 SEC REF

MCC
(NOTE 3)
TTY
ROP
TEST ACCESS
UNIT
TO POWER
DISTRIBUTION
(NOTE 7)
(NOTE 7)
(NOTE 7 & 8)

(NOTE 8) ICC
SWITCHING MODULE
SD-5D518-01
SMC
LTP
NCT2
NCT2

ANALOG LINES
(NOTES 6 AND 14)
ANALOG TRUNKS (NOTE 6)
SCSD (NOTE 6)
MTB (NOTE 6)

T1 (NOTE 6)

DISTRIBUTING
FRAME

DSX

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B12

PART OF AS 5

MULTI-MODULE OFFICE UTILIZING A CM2,
A (SM OR SM2000), AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B20D MODEL 3 PROCESSOR FOR 5ESS IS CONTAINED IN SD-4C122-01 FOR 340MB MHD APPLICATIONS AND SD-4C122-02 FOR SCSI MHD APPLICATIONS. EQUIPMENT INFORMATION IS CONTAINED IN J1C176B-1 FOR 340MB MHD APPLICATIONS AND J1C176C-1 FOR MHD APPLICATIONS. SUPPLEMENTAL INFORMATION FOR 5ESS SWITCHING SYSTEM UTILIZATION IS FOUND IN TABLE AB AND TABLE BB, BC, BD, 2A OR 2B.
   CIRCUIT INFORMATION FOR THE 3B21D PROCESSOR CAN BE FOUND IN SD-3T015-01. EQUIPMENT INFORMATION CAN BE FOUND IN J3T061A. SUPPLEMENTAL INFORMATION CAN BE FOUND IN TABLES 1B, 2A OR 2B.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR BY A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   -MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)
   -MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A-01)

4. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   -DATA SET CABINET (OUT OF LINE UP)-(REFERENCE: SD-5D071-01)
   ED-5D061-50)
   -DATA SET CABINET (IN LINE UP)-(REFERENCE: SD-5D071-01)
   ED-5D522-50)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01
   DC POWER DISTRIBUTION IS IN SD-5D005-01

6. ALL CABLES ASSOCIATED WITH THE 5ESS ARE DEFINED IN:

   ED-5D500-20 (INTRACABINET CABLES)
   ED-5D500-21 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED PER TABLE BB, BC, BD, 1A, 1B OR 1C. REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORT SYSTEMS.

8. REFERENCE SD-5D159-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) OR SD-5D518-01 (SWITCH MODULE 2000 APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB, PIDB, MTB AND ETC.

10. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR THE STLWS:

    -MONOCHROME MONITOR (REF J5D002A-1, SD-5D114-01)
    -COLOR MONITOR (REF J5D002A-1, SD-5D114-01)

11. TBCU IS REQUIRED FOR INTEGRATED SLC-96 APPLICATION AND IS LOCATED IN THE TRANSMISSION AREA OF THE 5ESS SWITCHING OFFICE. THE NUMBER OF MTB CONNECTIONS IS JOB ENGINEERED. (REFERENCE: SD-97791, J-1C189).

12. FOR INTERNATIONAL APPLICATIONS, THE T1 CLOCK REFERENCE MAY BE PROVIDED VIA THE DLTU-E AND/OR VIA A DSX CABINET.

NOTES: (CONT)

13. SEE EQUIPMENT NOTE 212 OF THIS DRAWING FOR DUAL SERIAL CHANNEL ASSIGNMENTS.

14. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

15. SEE EQUIPMENT NOTES 218 AND 219 FOR INFORMATION CONCERNING THE LOCATION OF THE SCSI DISKS WITHIN THE SCSI DISK CABINET.

16. SCSI MHDS CAN ONLY BE USED IN AN OFFICE WHICH CONTAINS A 5E6 OR GREATER SOFTWARE RELEASE.

17. INFORMATION FOR THE TUC, WHICH IS USED IN OFFICE SHIPS OF SCSI MHDS, IS CONTAINED IN THE SCSI DISK CABINET DRAWINGS SD-3T006-01 AND J3T027A-1 AND IS REFERRED TO AS SCSI DISK CABINET OPTION (FIG. 3) AND NOT AS A TUC.

18. CIRCUIT INFORMATION FOR THE PERIPHERAL INTERFACE CABINET IS CONTAINED IN SD-4C122-01 FOR APPLICATIONS WHERE 340MB MHDS ARE USED AND SD-4C122-02 FOR NEW OFFICES WHICH USE SCSI MHDS. EQUIPMENT INFORMATION IS CONTAINED IN J1C215A-1 (30 INCH DEEP CABINETS) OR J1C215B-1 (21 INCH DEEP CABINETS) FOR APPLICATIONS WHERE 340MB MHDS ARE USED AND J1C215C-1 FOR OFFICES SHIPPED WITH SCSI MHDS.

19. IN APPLICATIONS WHERE SCSI MHDS ARE EITHER GROWN ONTO OR CONVERTED FROM 340MB MHDS IN THE 3B20D MODEL 3 PROCESSOR. THE SCSI DISK CABINETS (SDC) ARE ORDERED FROM THE ED-4C473-36 KIT DRAWING AND NOT FROM THE J3T027-1 DRAWING.
    INTERNATIONAL DOES NOT ALLOW MIXING OF DISK TYPES (340MB MHD AND SCSI DUP).

20. FOR TMSU2 APPLICATIONS, REFERENCE SD-5D061-01 AND J5D020AD-1.
    FOR TMSU3 APPLICATIONS, REFERENCE SD-5D191-01 AND J5D020AG-1.

21. DSCH ASSIGNMENTS ARE REQUIRED FOR DFC2 AND DFC3 IN 3B20D APPLICATIONS WHEN DFC2/3 ARE EQUIPPED. DSCH ASSIGNMENTS ARE REQUIRED FOR DFC2 IN 3B21D APPLICATIONS WHEN DFC2 IS EQUIPPED. (SEE EQUIPMENT NOTE 212 FOR DSCH ASSIGNMENTS).

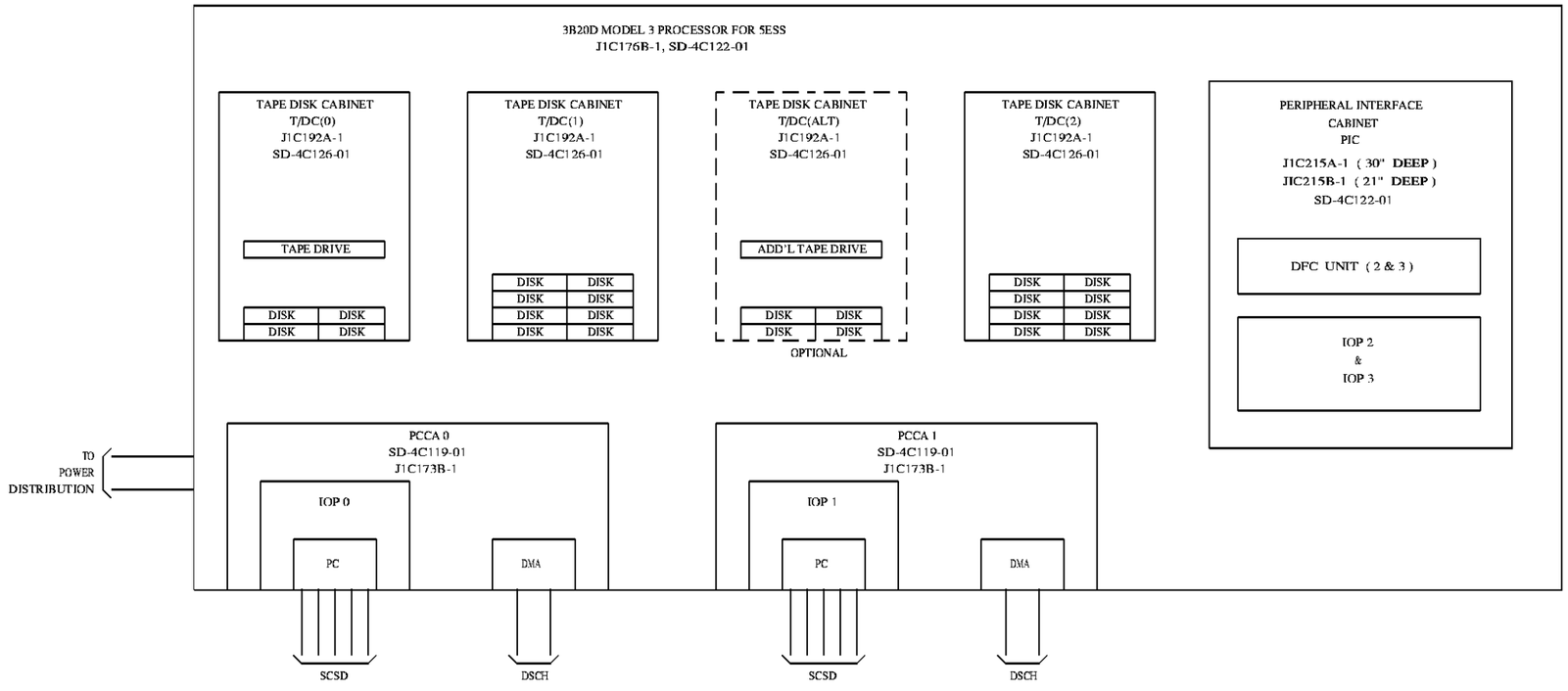
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B13

AS 5A

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE 3B20D MODEL 3
PROCESSOR EQUIPPED WITH 340MB MHDS

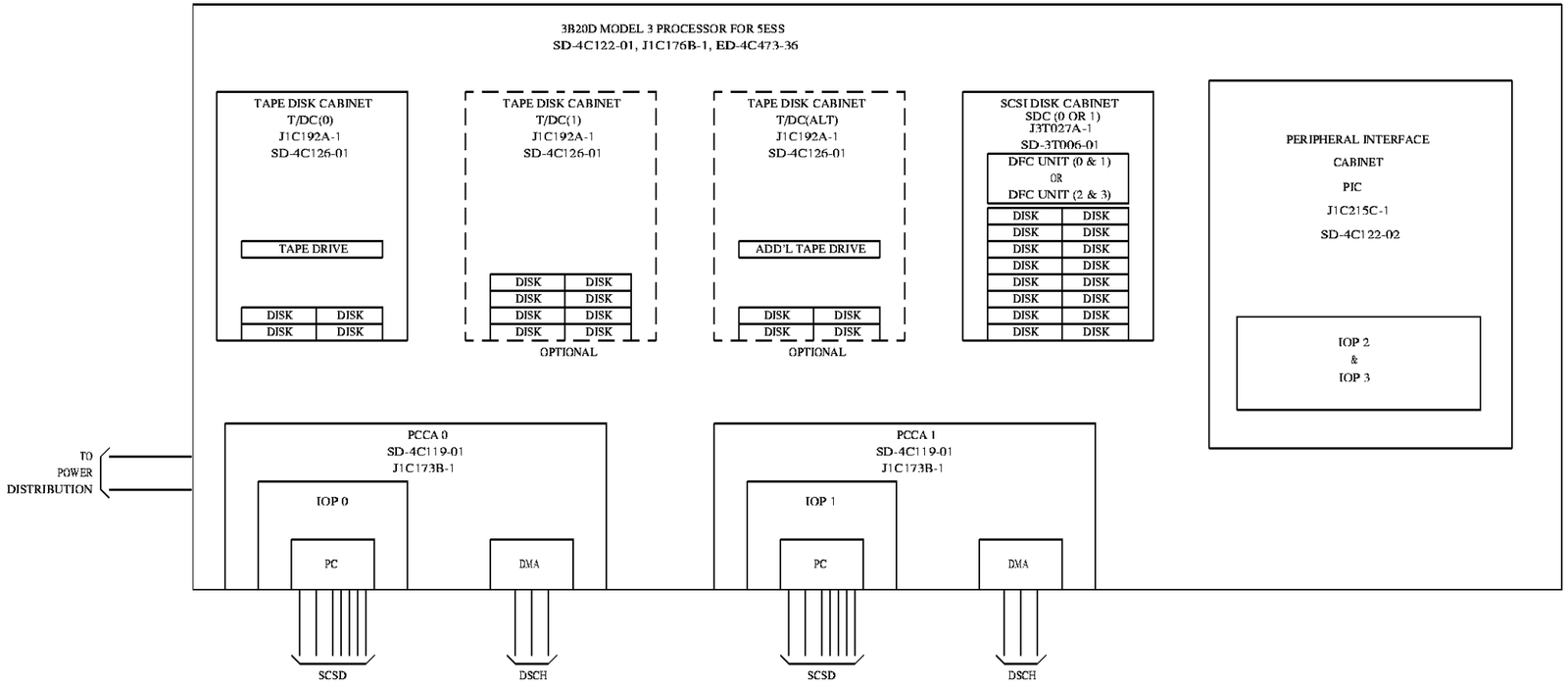


APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B14

AS 5B

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE 3B20D MODEL 3
PROCESSOR EQUIPPED WITH 340MB MHDS
WHICH GROW ON SCSI MHDS
(5E6 OR LATER)

INTERNATIONAL DOES NOT ALLOW MIXING OF DISKS
(340MB MHD AND SCSI DUPS).



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

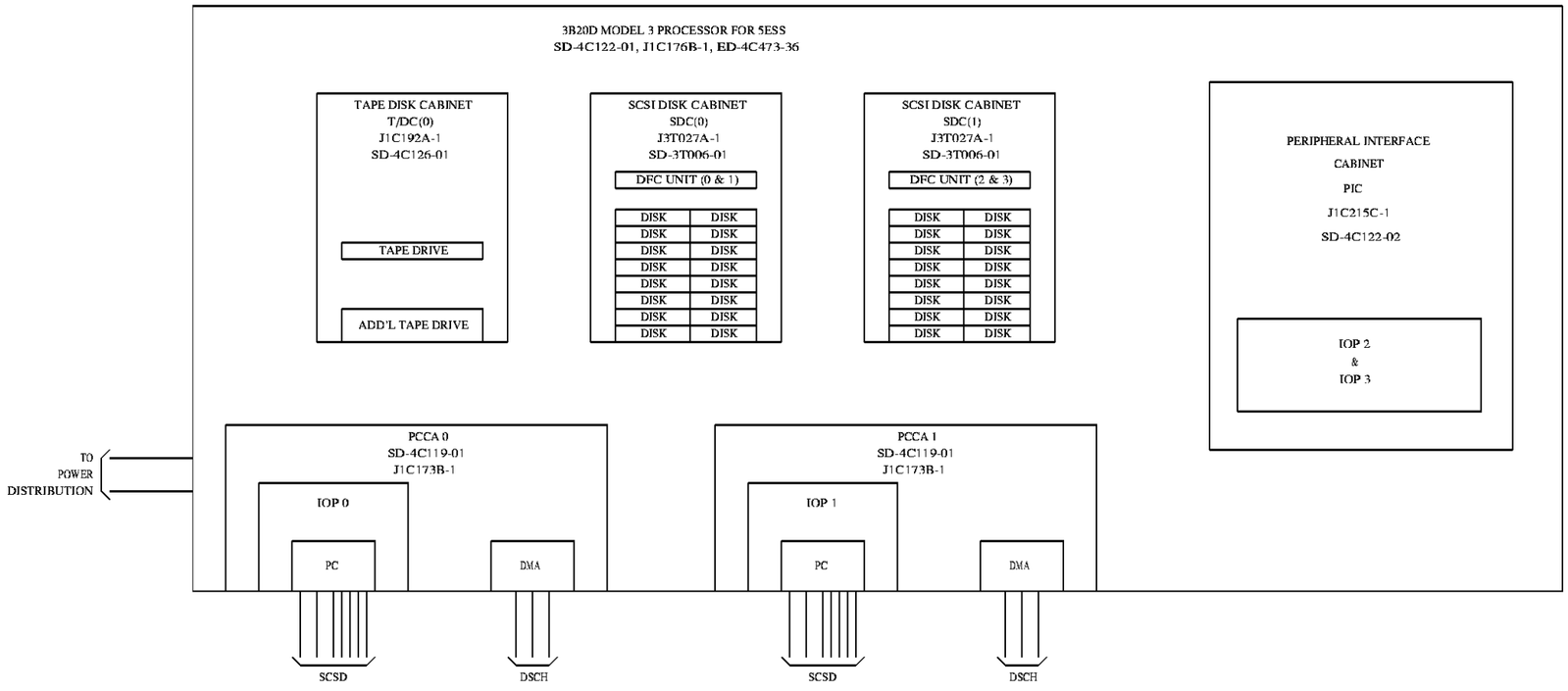
DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B15

AS 5C

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE 3B20D MODEL 3
PROCESSOR EQUIPPED WITH 340MB MHDS
WHICH CONVERTS TO SCSI MHDS
(5E6 OR LATER)

INTERNATIONAL DOES NOT ALLOW MIXING OF DISKS
(340MB MHD AND SCSI DUPS)



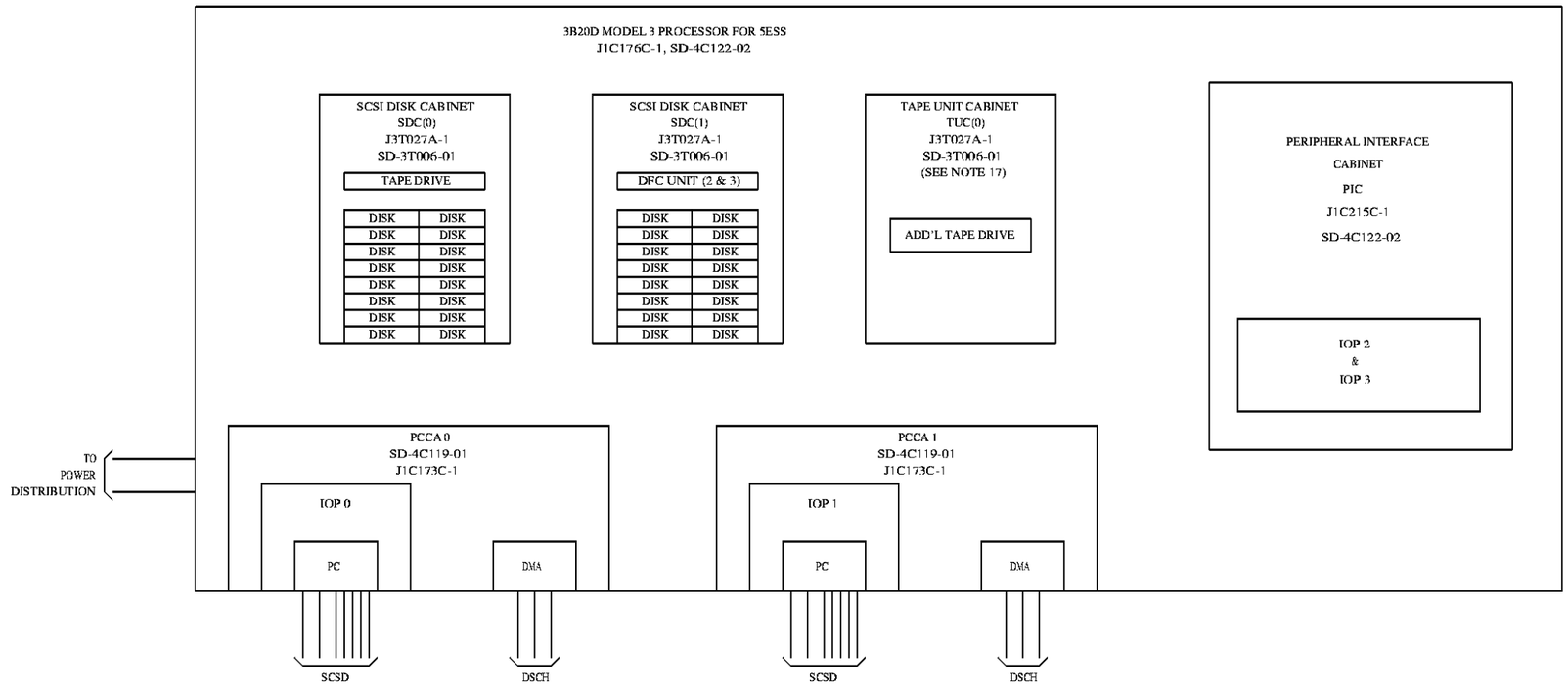
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B16

AS 5D

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE 3B20D MODEL 3
PROCESSOR EQUIPPED WITH SCSI MHDS
(OFFICES SHIPPED WITH SCSI MHDS, 5E6 OR LATER)



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

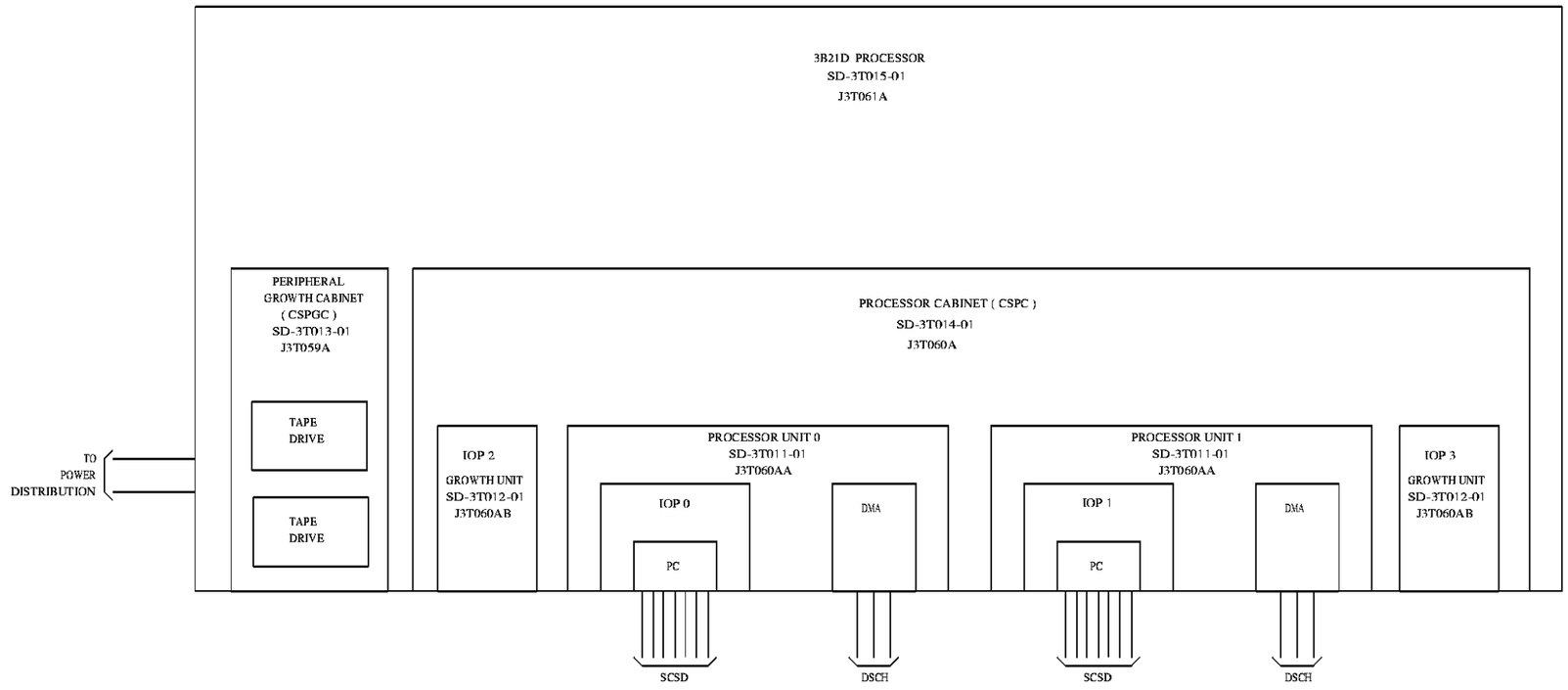
DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B17

AS 5E

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE
3B21D COMPUTER SYSTEM

5E9(1) OR LATER
&
5EE6 OR LATER



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B18

PART OF AS 6

TOLL APPLICATION UTILIZING A CM2, A SM,
AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)

DATA SET CABINET
SD-5D071-01
(NOTE 4)

MISCELLANEOUS CABINET
SD-5D130-01
J5D005C-1
(SEE AS 3)

TO POWER DISTRIBUTION

POWER DISTRIBUTION
(NOTE 5)

TO ASSOCIATED CIRCUITS
(NOTE 5)

3B20D MODEL 3 PROCESSOR OR 3B21D PROCESSOR
(SEE AS 6A, 6B, 6C, 6D AND 6E FOR VARIOUS CONFIGURATIONS)

TO POWER DISTRIBUTION

SIDE 0
IOP 0
PC
DMA

SIDE 1
IOP 1
PC
DMA

DSCH
(NOTE 21)
(NOTE 7)
SCSD
DSCH P/O ED-3F004( ),G15
SCSD P/O ED-3F004( ),G70

COMMUNICATIONS MODULE MODEL 2
SD-5D140-01
J5D020A-1
CM2 0
CM2 1
MSG 0
MSG 1
CMCU
SD-5D060-01
J5D020AA-1
MSPU3
SD-5D078-01
J5D020AC-1
MSCU2
SD-5D077-01
J5D020AB-1
NCLK 0
NCLK 1
TMSU2 OR TMSU3
(NOTE 20)
TMS 0
TMS 1
DSCH (NOTE 13)
(NOTE 12)
T1 OR ATTRF
ATTRF OR T1
T1 PR1 REF
T1 SEC REF
T1 SCC REF
ICC
(NOTE 8)

COMMON NETWORK INTERFACE
SD-3F019-01
RING NODE CABINET
SD-3F020-01
J3F011C
(NOTE 14)
DIGITAL FACILITY ACCESS CABINET
SD-3F021-01
J3F010B
OR
SD-3F027-01
J3F010F
(NOTE 15)
ANALOG FACILITY ACCESS FRAME
SD-3F005-01
J3F009A
NOTE 13
SCSD
OFFICE ALARM UNIT
SD-5D008-01
J5D005AD
TO 3B20D MODEL 3 PROCESSOR
T/R (ED-3F004( ),G27)
T1/R1 (ED-3F004( ),G26)
T/R (ED-3F004( ),G27)
T1/R1 (ED-3F004( ),G26)
TO TRANSMISSION FACILITY

MCC
(NOTE 3)
TTY
ROP
TEST ACCESS UNIT
TO POWER DISTRIBUTION
(NOTE 7)
(NOTE 7)
(NOTE 7 & 8)

DISTRIBUTING FRAME

(NOTE 8)
ICC
SWITCHING MODULE
SD-5D012-02
SMC
SD-5D118-01
J5D033E-1
LTP
SD-5D119-01
J5D003F-1
NCT
SCSD (NOTE 6)
MTB (NOTE 6)
T1 (NOTE 6)
DSX

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B19

PART OF AS 6

TOLL APPLICATIONS UTILIZING A CM2, A SM2000,
AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)

DATA SET CABINET
SD-5D071-01
(NOTE 4)

MISCELLANEOUS CABINET
SD-5D130-01
J5D005C-1
(SEE AS 3)

TO POWER DISTRIBUTION

POWER DISTRIBUTION
(NOTE 5)

TO ASSOCIATED CIRCUITS
(NOTE 5)

3B20D MODEL 3 PROCESSOR OR 3B21D PROCESSOR
(SEE AS 6A, 6B, 6C, 6D AND 6E FOR VARIOUS CONFIGURATIONS)

TO POWER DISTRIBUTION

SIDE 0
IOP 0
PC
DMA

SIDE 1
IOP 1
PC
DMA

DSCH
(NOTE 21)

SCSD
SCSD
SCSD
SCSD
SCSD
SCSD
SCSD
SCSD
SCSD
SCSD

(NOTE 7)

DSCH (NOTE 13)

COMMUNICATIONS MODULE MODEL 2
SD-5D140-01
J5D020A-1

CM2 0
MSG 0
CMCU
SD-5D060-01
J5D020AA-1
NCLK 0
TMS 0

MSPU3
SD-5D078-01
J5D020AC-1

MSCU2
SD-5D077-01
J5D020AB-1

TMSU2 OR TMSU3
(NOTE 20)

CM2 1
MSG 1
CMCU
SD-5D060-01
J5D020AA-1
NCLK 1
TMS 1

(NOTE 12) T1 OR ATTRF

ATTRF OR T1 (NOTE 12)
T1 PR1 REF
T1 SEC REF

ICC
(NOTE 8)

T1 PR1 REF
T1 SCC REF

NOTE 13

DSCH P/O ED-3F004( ),G15
DSCH P/O ED-3F004( ),G15
SCSD P/O ED-3F004( ),G70
SCSD P/O ED-3F004( ),G70

COMMON NETWORK INTERFACE
SD-3F019-01

RING NODE CABINET
SD-3F020-01
J3F011C
(NOTE 14)

DIGITAL FACILITY ACCESS CABINET
SD-3F021-01
J3F010B
OR
SD-3F027-01
J3F010F
(NOTE 15)

ANALOG FACILITY ACCESS FRAME
SD-3F005-01
J3F009A

SCSD
SCSD

OFFICE ALARM UNIT
SD-5D008-01
J5D005AD

SCSD

TO 3B20D MODEL 3 PROCESSOR

T/R (ED-3F004( ),G27)
T1/R1 (ED-3F004( ),G26)
T/R (ED-3F004( ),G27)
T1/R1 (ED-3F004( ),G26)

TO TRANSMISSION FACILITY

MCC
(NOTE 3)

TTY
ROP
TEST ACCESS UNIT

TO POWER DISTRIBUTION

(NOTE 7)
(NOTE 7)
(NOTE 7 & 8)

DISTRIBUTING FRAME

(NOTE 8) ICC

SWITCHING MODULE
SD-5D518-01

SMC
LTP

SCSD (NOTE 6)
MTB (NOTE 6)

NCT2
NCT2

T1 (NOTE 6)

DSX

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B20

PART OF AS 6

TOLL APPLICATION UTILIZING A CM2, A (SM OR SM2000),
AND THE (3B20D MODEL 3 PROCESSOR OR
3B21D PROCESSOR)

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B20D, MODEL 3 PROCESSOR FOR 5ESS IS CONTAINED IN SD-4C122-01 FOR 340MB MHD APPLICATIONS AND SD-4C122-02 FOR SCSI MHD APPLICATIONS. EQUIPMENT INFORMATION IS CONTAINED IN J1C176B-1 FOR 340MB MHD APPLICATIONS AND J1C176C-1 FOR SCSI MHD APPLICATIONS. SUPPLEMENTAL INFORMATION FOR 5ESS SWITCHING SYSTEM UTILIZATION IS FOUND IN TABLE AB AND TABLE BB,BC,BD,2A OR 2B.

   CIRCUIT INFORMATION FOR THE 3B21D PROCESSOR CAN BE FOUND IN SD-3T015-01. EQUIPMENT INFORMATION CAN BE FOUND IN J3T061A. SUPPLEMENTAL INFORMATION CAN BE FOUND IN TABLES 1B, 2A OR 2B.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   .MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)
   .MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A-01)

4. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   .DATA SET CABINET (OUT OF LINE UP) - (REFERENCE: SD-5D071-01)
   ED-5D061-50)
   .DATA SET CABINET (IN LINE UP) - (REFERENCE: SD-5D071-01)
   ED-5D522-50)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01
   DC POWER DISTRIBUTION IS IN SD-5D005-01

6. ALL CABLES ASSOCIATED WITH THE 5ESS ARE DEFINED IN:

   ED-5D500-20 (INTRACABINET CABLES)
   ED-5D500-21 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED PER TABLE BB, BC, BD, 1A, 1B OR 1C. REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORTS SYSTEMS.

8. REFERENCE SD-5D139-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) OR SD-5D518-01 (SWITCHING MODULE 2000 APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB,PIDB,MTB & ETC.

10. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR STLWS:

    MONOCHROME MONITOR
    COLOR MONITOR
    REFERENCE: J5D002A-1, SD-5D114-01

11. TRCU IS REQUIRED FOR INTEGRATED SLC-96 APPLICATIONS AND IS LOCATED IN THE TRANSMISSION AREA OF A 5ESS SWITCHING OFFICE. THE NUMBER OF MTB CONNECTIONS IS JOB ENGINEERED. (REFERENCE: SD-97791, J-1C189).

12. FOR INTERNATIONAL APPLICATIONS, THE T1 CLOCK REFERENCE MAY BE PROVIDED VIA THE DLTU-E AND/OR VIA A DSX CABINET.

13. SEE EQUIPMENT NOTE 212 OF THIS DRAWING FOR DUAL SERIAL CHANNEL ASSIGNMENTS TO RPC AND DLN.

NOTES (CONT):

14. SEE EQUIPMENT NOTE 217 OF THIS DRAWING FOR THE SIX COMMON NETWORK INTERFACE (CNI) RING NODE CONFIGURATIONS USED IN THE 5ESS.

15. THE SD-3F021-01 (J3F010B) DFA CABINET CAN BE EQUIPPED WITH A MAXIMUM OF 10 DATA SETS PER CABINET. THE SD-3F027-01 (J3F010F) DFA CABINET CAN BE EQUIPPED WITH MAXIMUM OF 24 DATA SETS PER CABINET.

16. SEE EQUIPMENT NOTES 218 AND 219 FOR INFORMATION CONCERNING THE LOCATION OF THE SCSI DISKS WITHIN THE SCSI DISK CABINET.

17. SCSI MHDS CAN ONLY BE USED IN AN OFFICE WHICH CONTAINS A 5E6 OR GREATER SOFTWARE RELEASE.

18. INFORMATION FOR THE TUC, WHICH IS USED IN NEW OFFICE SHIPS OF SCSI MHDS, IN CONTAINED IN THE SCSI DISK CABINET DRAWINGS SD-3T006-01 AND J3T027A-1 AND IS REFERRED TO AS SCSI DISK CABINET OPTION (FIG. 3) AND NOT AS A TUC.

19. IN APPLICATIONS WHERE SCSI MHDS ARE EITHER GROWN ONTO OR CONVERTED FROM 340MB MHDS IN THE 3B20D MODEL 3 PROCESSOR. THE SCSI DISK CABINETS (SDC) ARE ORDERED FROM THE ED-4C473-36 KIT DRAWING AND NOT FROM THE J3T027-1 DRAWING.

    INTERNATIONAL DOES NOT ALLOW MIXING OF DISK TYPES (340MB MHD AND SCSI DUPS)

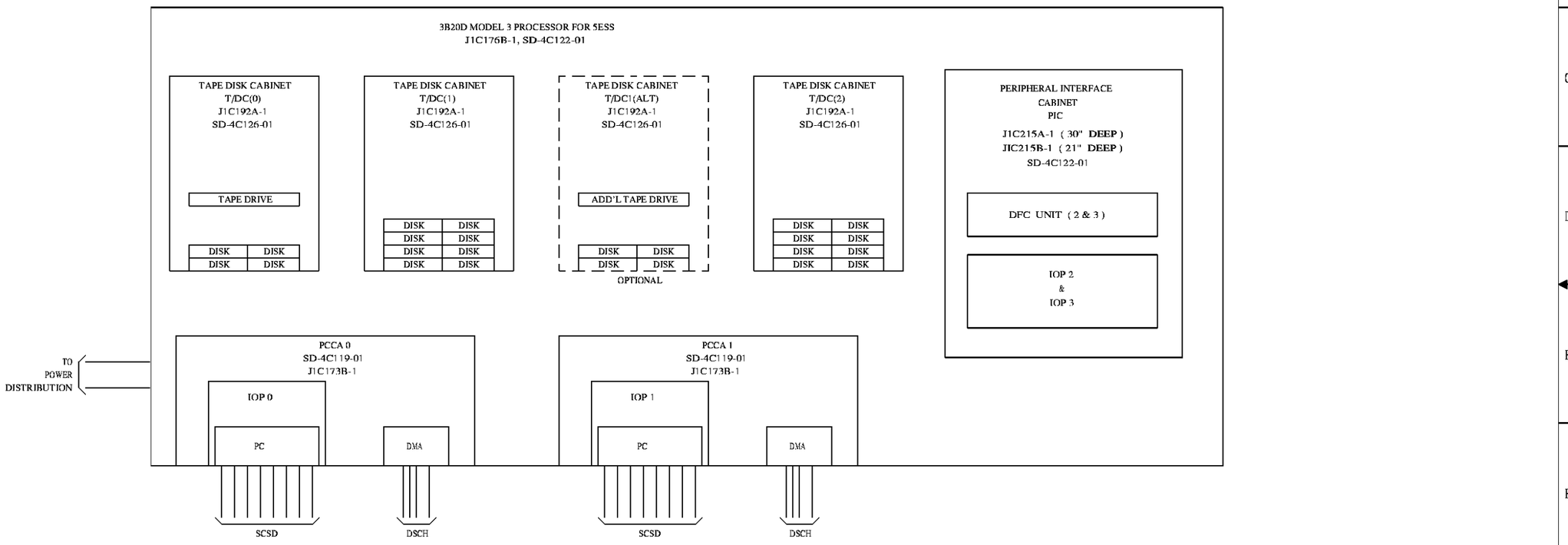
20. FOR TMSU2 APPLICATIONS, REFERENCE SD-5D061-01 AND J5D020AD-1. FOR TMSU3 APPLICATIONS, REFERENCE SD-5D191-01 AND J5D020AG-1.

21. DSCH ASSIGNMENTS ARE REQUIRED FOR DFC2 AND DFC3 IN 3B20D APPLICATIONS WHEN DFC2/3 ARE EQUIPPED. DSCH ASSIGNMENTS ARE REQUIRED FOR DFC2 IN 3B21D APPLICATIONS WHEN DFC2 IS EQUIPPED. (SEE EQUIPMENT NOTE 212 FOR DSCH ASSIGNMENTS).

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE	ISSUE
	C2	33M
Lucent Technologies	SD-5D014-02	SHEET B21

AS 6A

TOLL APPLICATION UTILIZING A CM2, A (SM OR SM2000),
AND THE 3B20D MODEL 3 PROCESSOR
EQUIPPED WITH 340MB MHDS



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

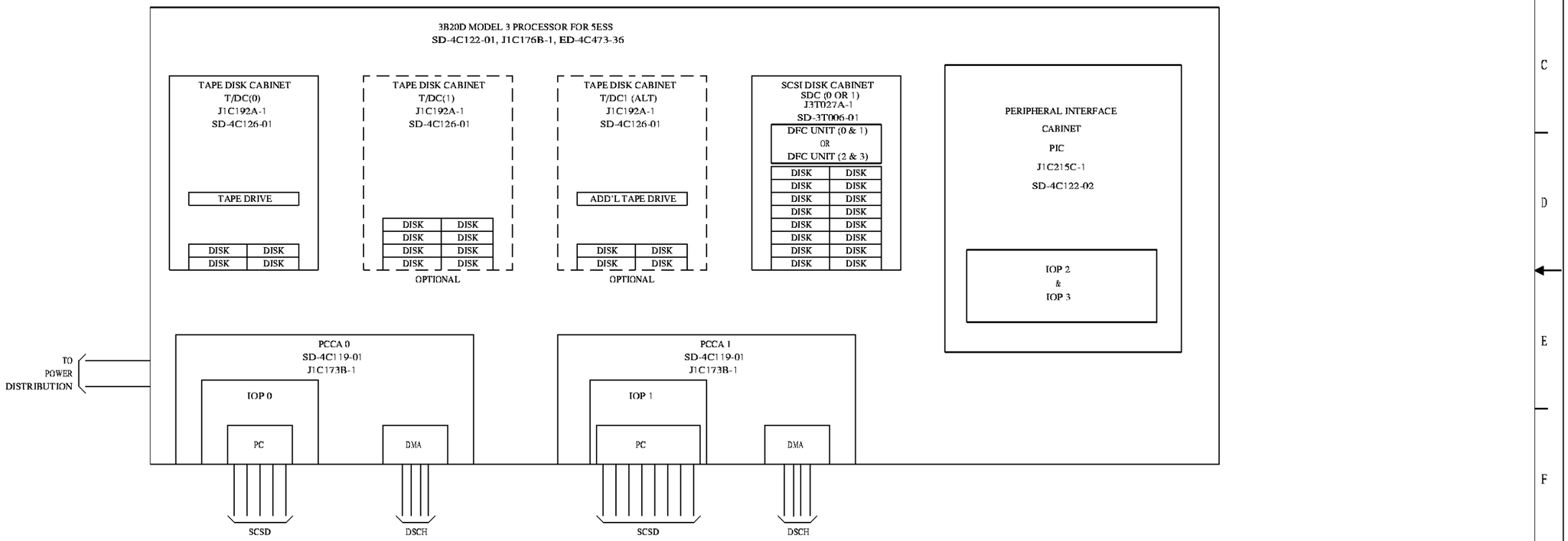
DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B22

AS 6B

TOLL APPLICATION UTILIZING A CM2, A (SM OR SM2000),
AND THE 3B20D MODEL 3 PROCESSOR
EQUIPPED WITH 340MB MHDS
WHICH GROW ON SCSI MHDS
(5E6 OR LATER)

INTERNATIONAL DOES NOT ALLOW MIXING OF DISKS
(340MB MHD AND SCSI DUPS)



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

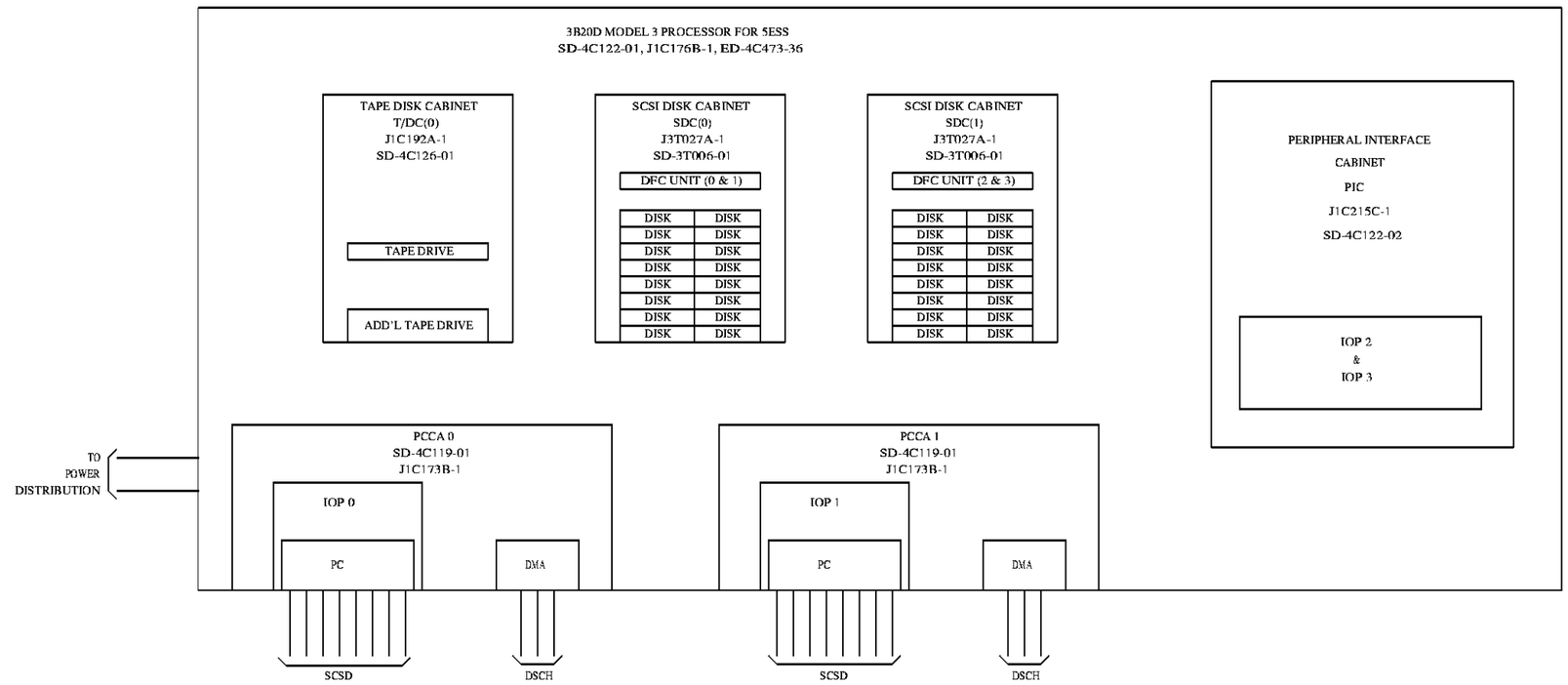
DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B23

AS 6C

TOLL APPLICATION UTILIZING A CM2, A (SM OR SM2000),
AND THE 3B20D MODEL 3 PROCESSOR
EQUIPPED WITH 340MB MHDS
WHICH CONVERTS TO SCSI MHDS

INTERNATIONAL DOES NOT ALLOW MIXING OF DISKS
(340MB MHD AND SCSI DUPS)



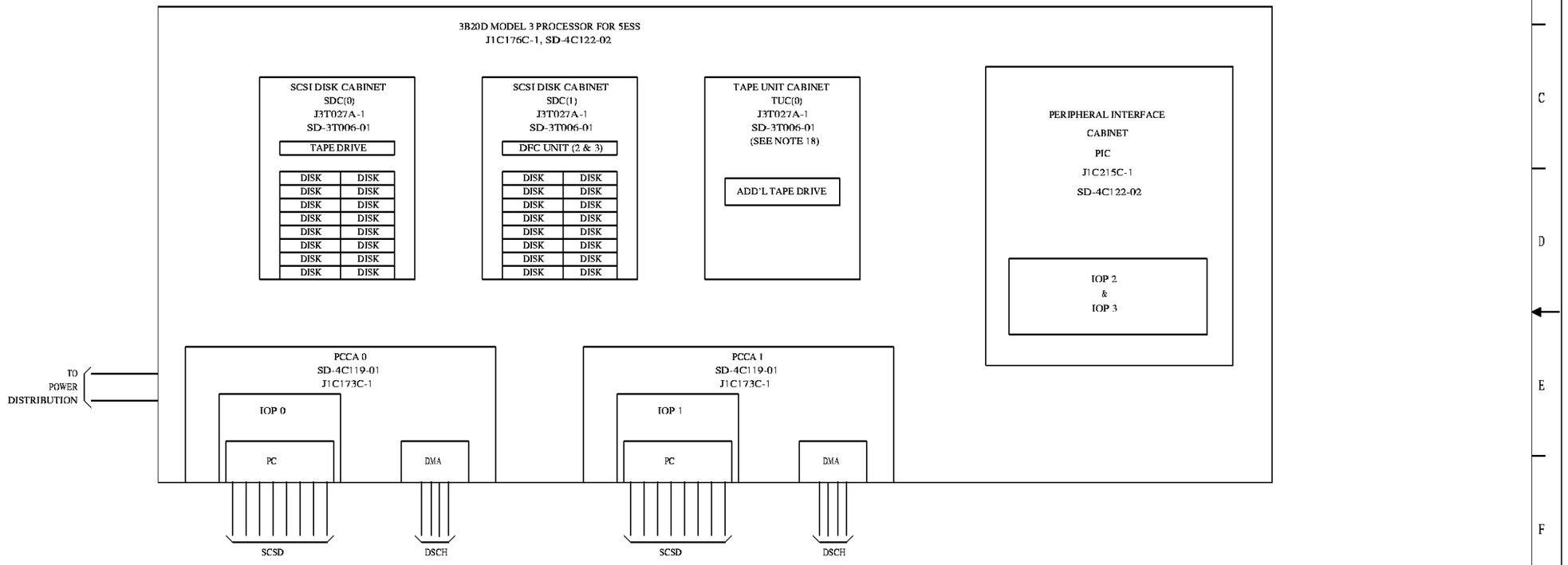
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B24

AS 6D

TOLL APPLICATION UTILIZING A CM2, A (SM OR SM2000),
AND THE 3B20D MODEL 3 PROCESSOR
EQUIPPED WITH 340MB MHDS
WITH SCSI MHDS
(OFFICES SHIPPED WITH SCSI MHDS, 5E6 OR LATER)



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

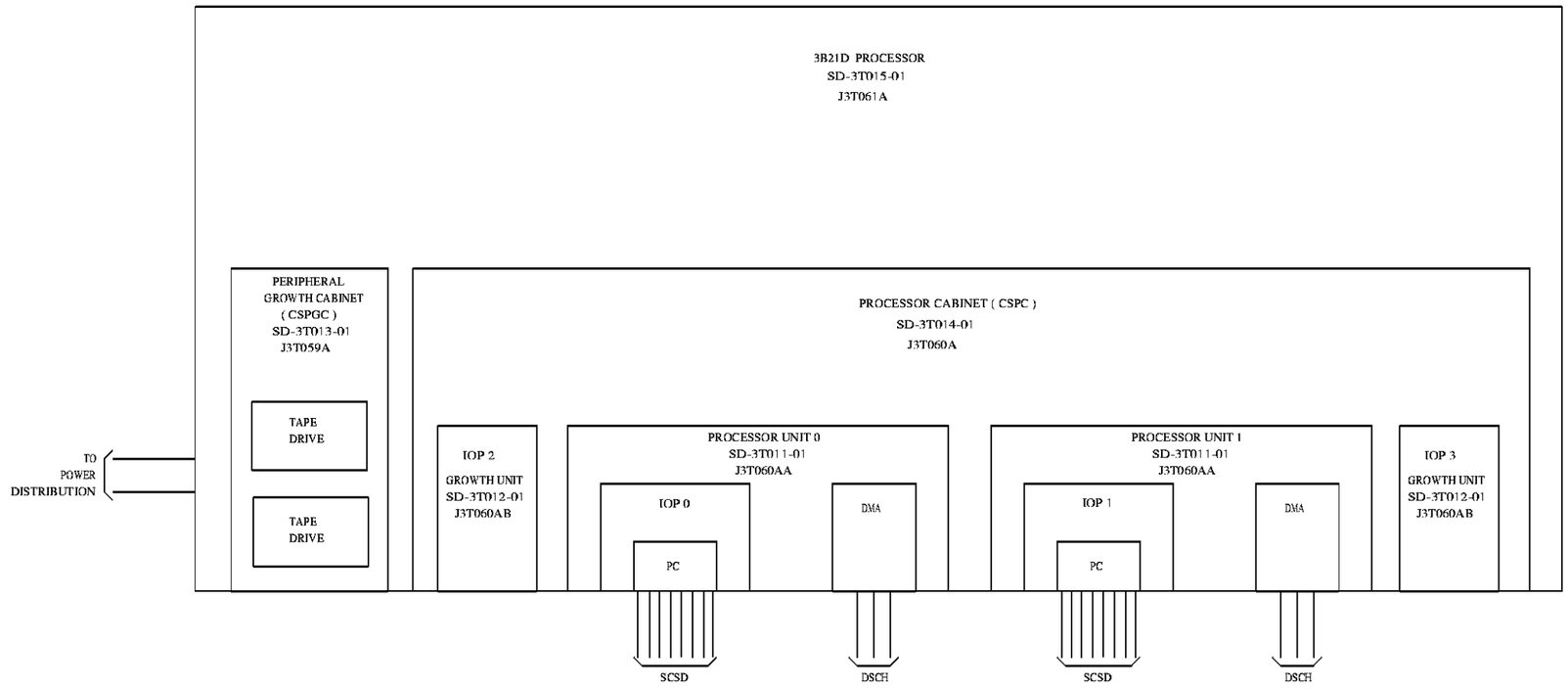
DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B25

AS 6E

MULTI SWITCHING MODULE 5ESS SWITCHING OFFICE
UTILIZING A CM2, A (SM OR SM2000), AND THE
3B21D COMPUTER SYSTEM

5E9(1) OR LATER
&
5EE6 OR LATER



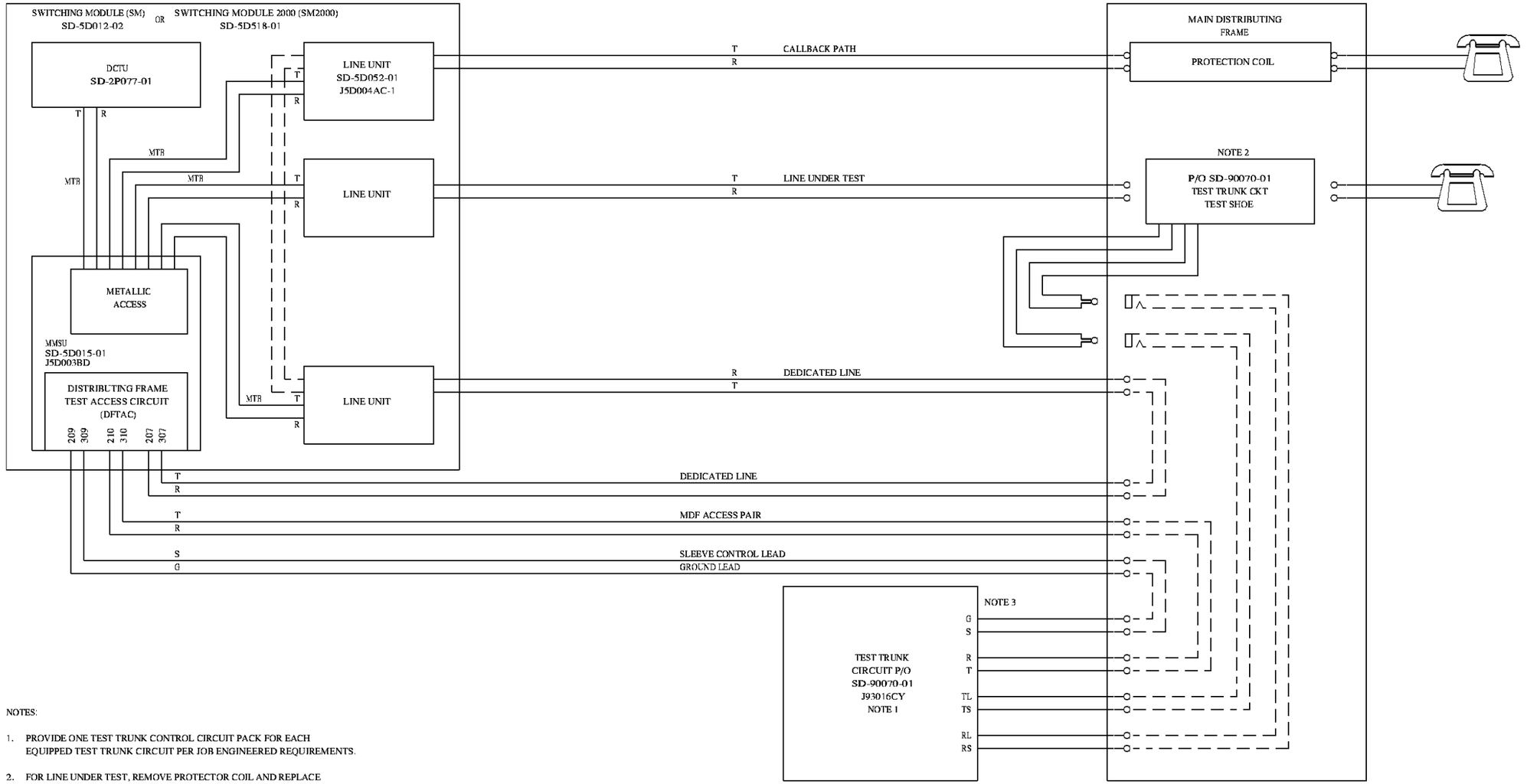
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B26

AS 7

INTEGRATED MLT2 DISTRIBUTION FRAME
TESTING - MLT2



NOTES:

1. PROVIDE ONE TEST TRUNK CONTROL CIRCUIT PACK FOR EACH EQUIPPED TEST TRUNK CIRCUIT PER JOB ENGINEERED REQUIREMENTS.
2. FOR LINE UNDER TEST, REMOVE PROTECTOR COIL AND REPLACE WITH A TEST SHOE.
3. EACH 2 INCH MOUNTING PLATE CAN ACCOMMODATE UP TO TWO TEST TRUNK CIRCUITS. SEE SD-90070-01 FOR TERMINAL STRIP ASSIGNMENTS.

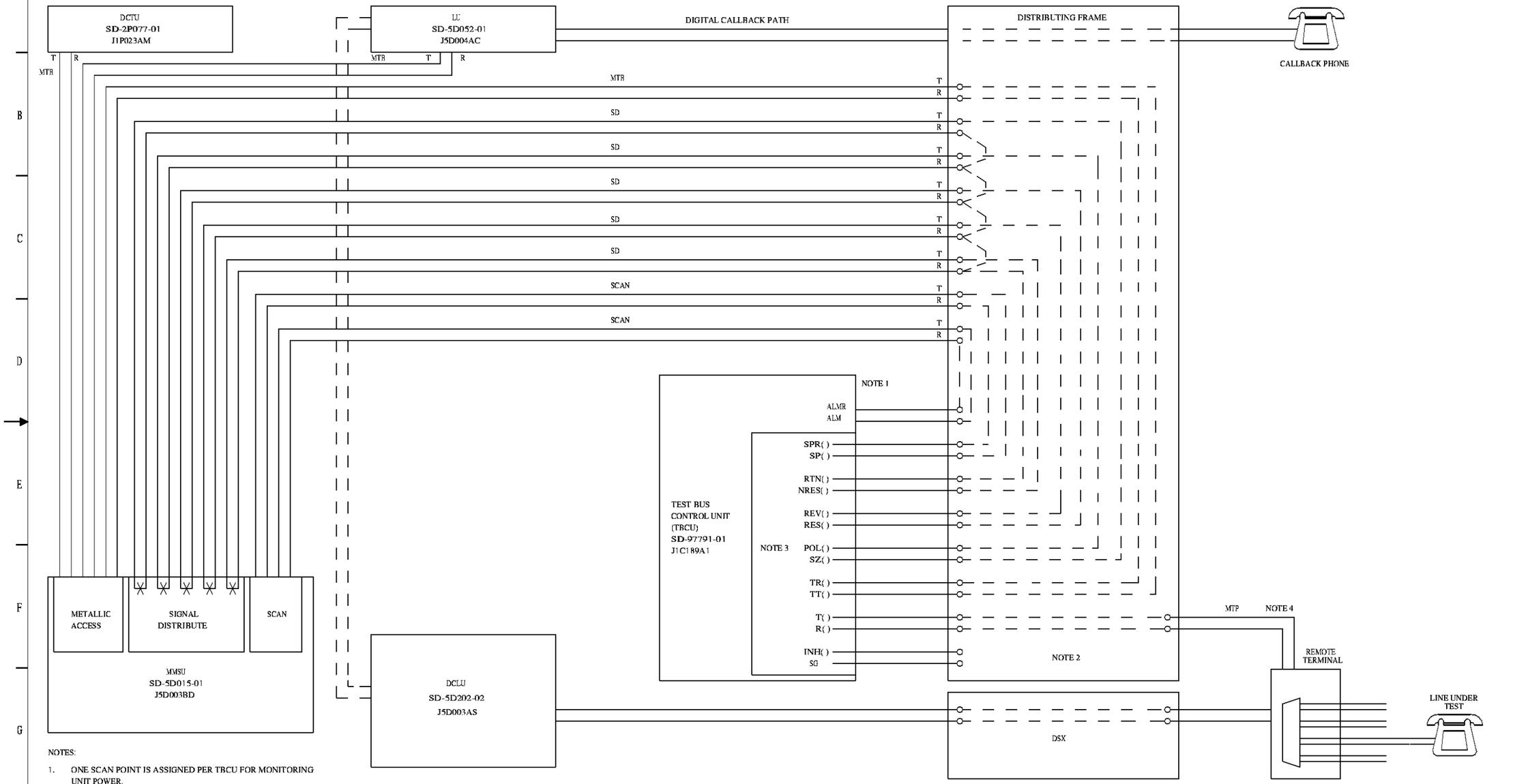
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B27

AS 8

INTEGRATED SLC-96 TEST ARRANGEMENT MLT2



NOTES:

1. ONE SCAN POINT IS ASSIGNED PER TBCU FOR MONITORING UNIT POWER.
2. CROSS CONNECT TO PAIR GAIN TEST CONTROLLER FOR APPLICATIONS UTILIZING INTEGRATED AND UNIVERSAL SLC-96 SYSTEMS.
3. EACH BUS UNIT CIRCUIT PACK PROVIDES TWO BUS UNIT CIRCUITS. UP TO FIFTEEN BUS UNIT CIRCUIT PACKS CAN BE EQUIPPED IN A TBCU. REFER TO SD-97791-01 FOR TERMINAL NUMBERS OF A SPECIFIC CIRCUIT.
4. EACH MTP CAN ACCOMMODATE 20 CO-LOCATED REMOTE TERMINALS IN MLT-2 APPLICATIONS. IF A MANUAL TEST DESK IS USED A MAXIMUM OF 10 CO-LOCATED REMOTE TERMINALS CAN SHARE AN MTP.

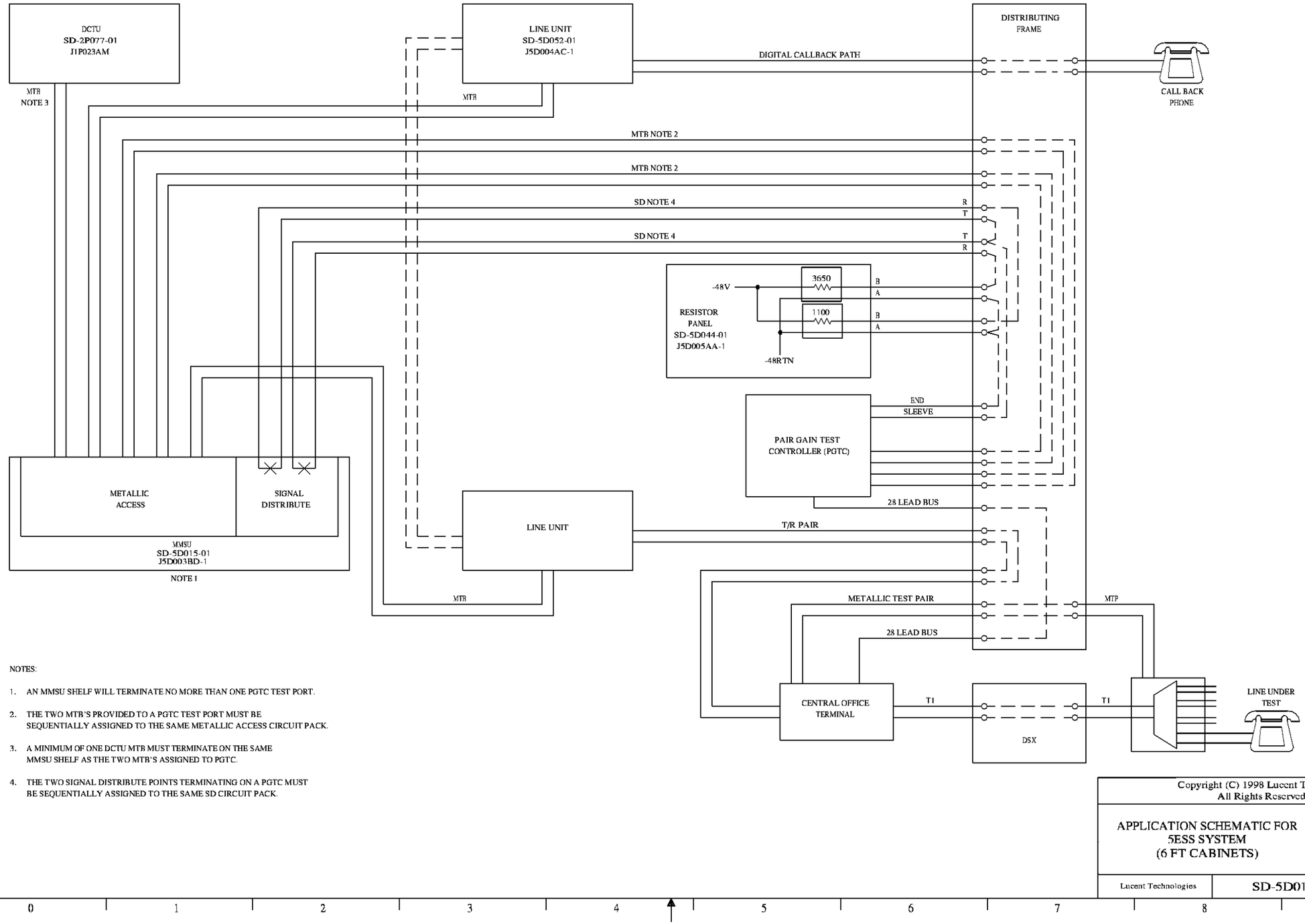
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B28

AS 9

UNIVERSAL SLC-96 TEST ARRANGEMENT MLT2



NOTES:

1. AN MMSU SHELF WILL TERMINATE NO MORE THAN ONE PGTC TEST PORT.
2. THE TWO MTB'S PROVIDED TO A PGTC TEST PORT MUST BE SEQUENTIALLY ASSIGNED TO THE SAME METALLIC ACCESS CIRCUIT PACK.
3. A MINIMUM OF ONE DCTU MTB MUST TERMINATE ON THE SAME MMSU SHELF AS THE TWO MTB'S ASSIGNED TO PGTC.
4. THE TWO SIGNAL DISTRIBUTE POINTS TERMINATING ON A PGTC MUST BE SEQUENTIALLY ASSIGNED TO THE SAME SD CIRCUIT PACK.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B29

AS 10

OPERATOR SERVICES POSITIONS SYSTEM
(5E3 AND LATER GENERICS)

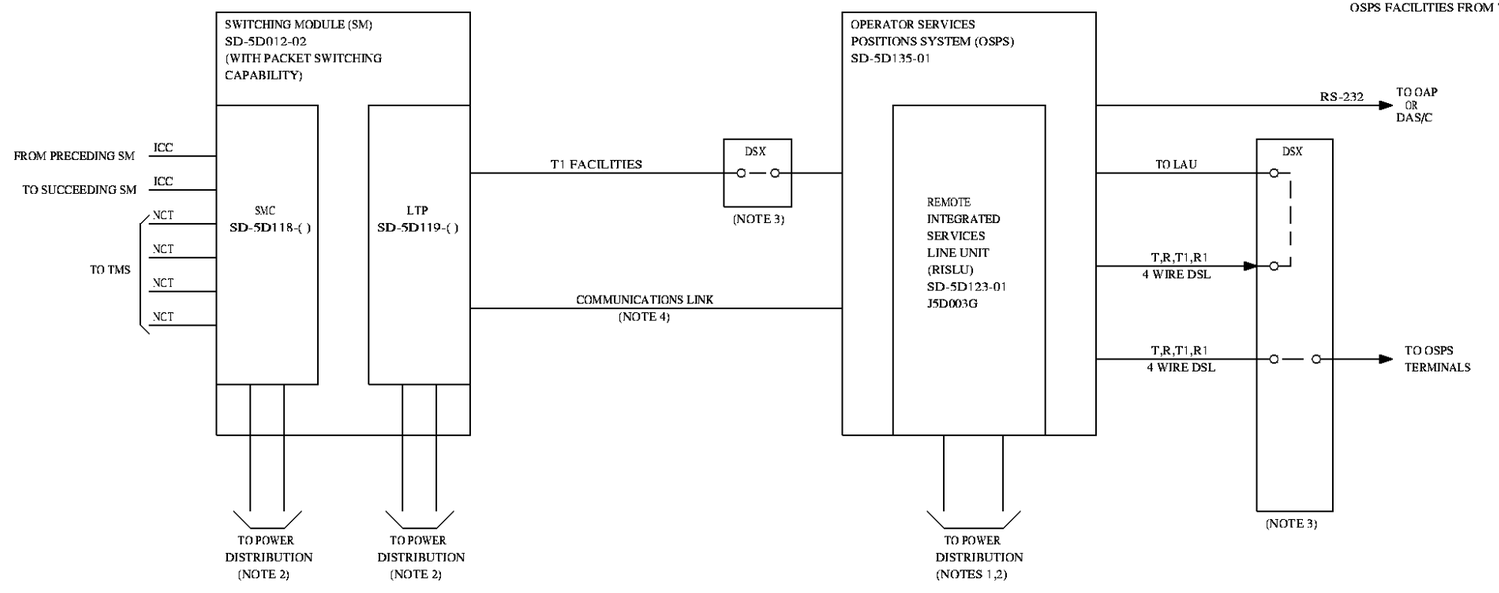
NOTES:

1. WHEN OSPS FACILITIES ARE CO-LOCATED WITH THE 5ESS SWITCHING SYSTEM, I.E. OSPS FACILITIES USE ESS GROUND, POWER DISTRIBUTION PROVISIONS MAY BE SHARED (SEE NOTE 2). REMOTELY LOCATED OSPS FACILITIES WILL HAVE DEDICATED POWER DISTRIBUTION PROVISIONS PER SD-5D135-01.

2. AC POWER DISTRIBUTION INFORMATION FOR 5ESS SWITCHING SYSTEMS IS FOUND IN SD-5D004-01.
DC POWER DISTRIBUTION INFORMATION FOR 5ESS SWITCHING SYSTEMS IS FOUND IN SD-5D005-01.

3. WHEN OSPS FACILITIES ARE CO-LOCATED WITH THE 5ESS SWITCHING SYSTEM, DSX PROVISIONS MAY BE SHARED. REMOTELY LOCATED OSPS FACILITIES WILL HAVE A DEDICATED DSX BAY WHICH IS LINE ENGINEERED.

4. SEE RSM COMMUNICATIONS LINK OPTIONS IN SD-5D071-01 FOR DETAILS ON PROVIDING A LINK TO REMOTELY LOCATED OSPS FACILITIES FROM THE HOST OFFICE.



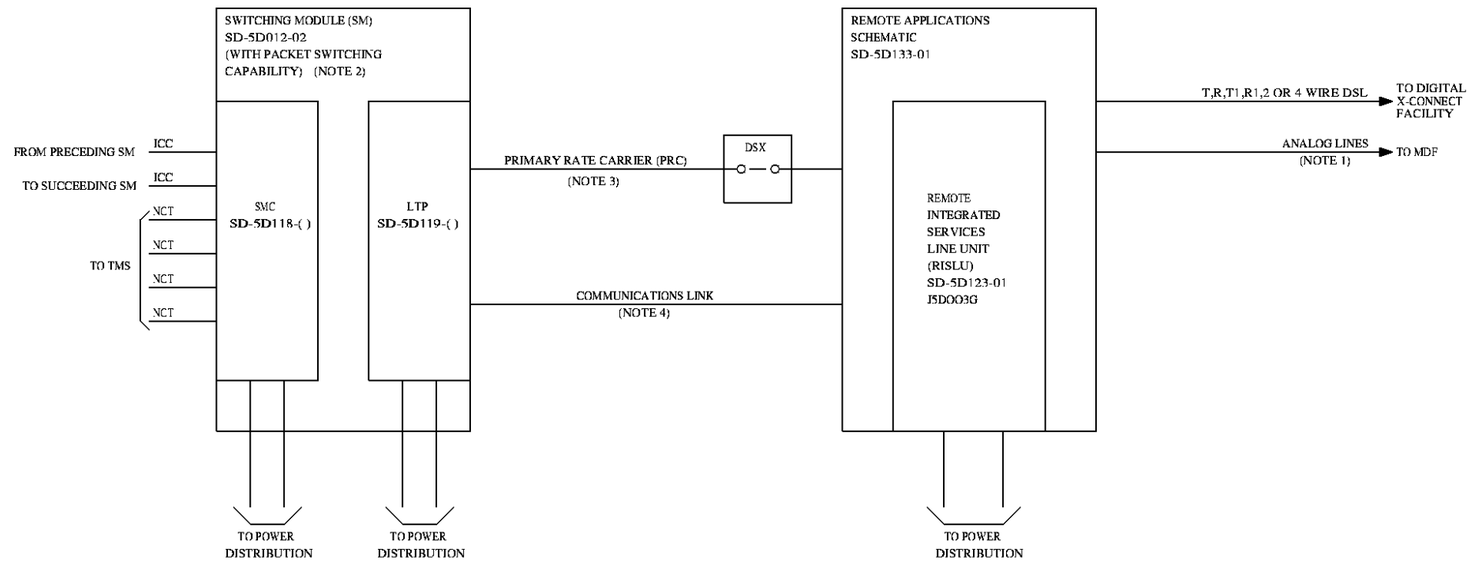
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE	ISSUE
	C2	33M
Lucent Technologies	SD-5D014-02	SHEET B30

AS 11

REMOTE INTEGRATED SERVICES LINE UNIT (RISLU)
(5E3, 5EE2 AND LATER GENERICS)

NOTES:

1. ANALOG LINES (Z INTERFACE ARE NOT SUPPORTED ON THE 5E3 GENERIC.
2. RISLU MAY BE ATTACHED TO AN SM OR AN RSM. SEE SD-5D133-01 FOR RSM INFORMATION.
3. PRIMARY RATE CARRIER (PRC) IS USED AS A GENERIC TERM FOR DIGITAL TRANSMISSION FACILITIES. IN THIS CASE PRC IMPLIES T1 OR CCITT 30 + 2 CHANNEL FORMATS.
4. SEE RSM COMMUNICATIONS LINK OPTIONS IN SD-5D071-01 FOR DETAILS ON PROVIDING A LINK TO REMOTELY LOCATED FACILITIES.



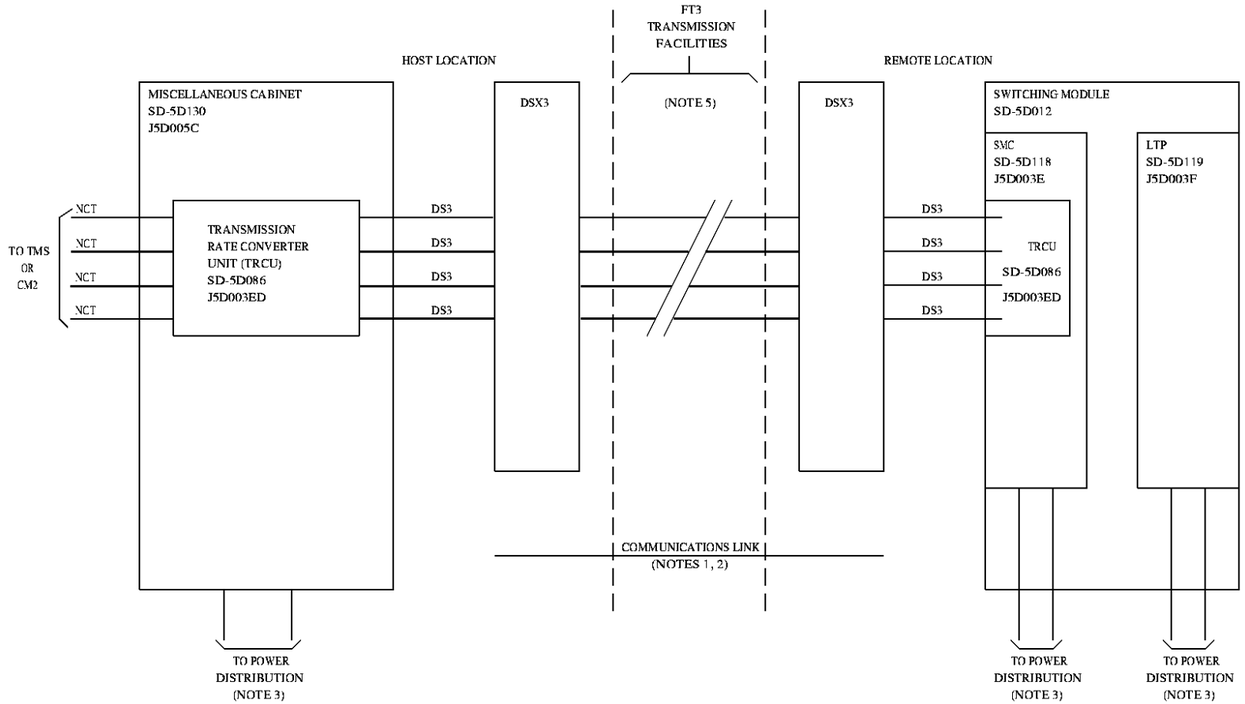
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE	ISSUE
	C2	33M
Lucent Technologies	SD-5D014-02	SHEET B31

AS 12A

OPTICALLY REMOTED MODULE (ORM)
(5E3 AND LATER GENERICS)

NOTES:

1. SEE RSM COMMUNICATIONS LINE OPTIONS IN SD-5D071 FOR PROVIDING HOST TO REMOTE LINK.
2. THE OFFICE BELTLINE IS NOT SUPPORTED AT THE REMOTE LOCATION.
3. AC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D004. DC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D005.
4. SEE REMOTE APPLICATION SCHEMATIC, SD-5D133 FOR ADDITIONAL INFORMATION.
5. THE FT3 SPAN IS LIMITED TO 100 MILES (160.93KM) BETWEEN THE HOST AND REMOTE LOCATIONS.



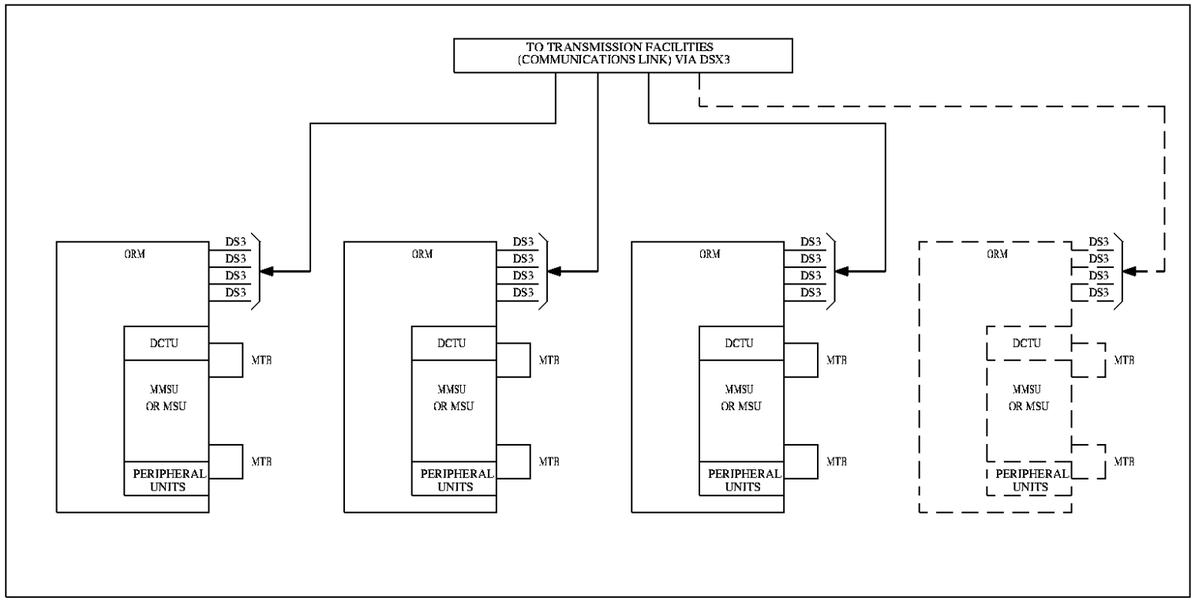
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		
	DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02	SHEET: B32

AS 12B

OPTICALLY REMOTED MODULE (ORM)
MTP ASSIGNMENTS
(5E3 AND LATER GENERICS)

NOTES:

1. SEE REMOTE APPLICATION SCHEMATIC SD-5D133 FOR ADDITIONAL INFORMATION.
2. SEE 5ESS SWITCHING EQUIPMENT ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.



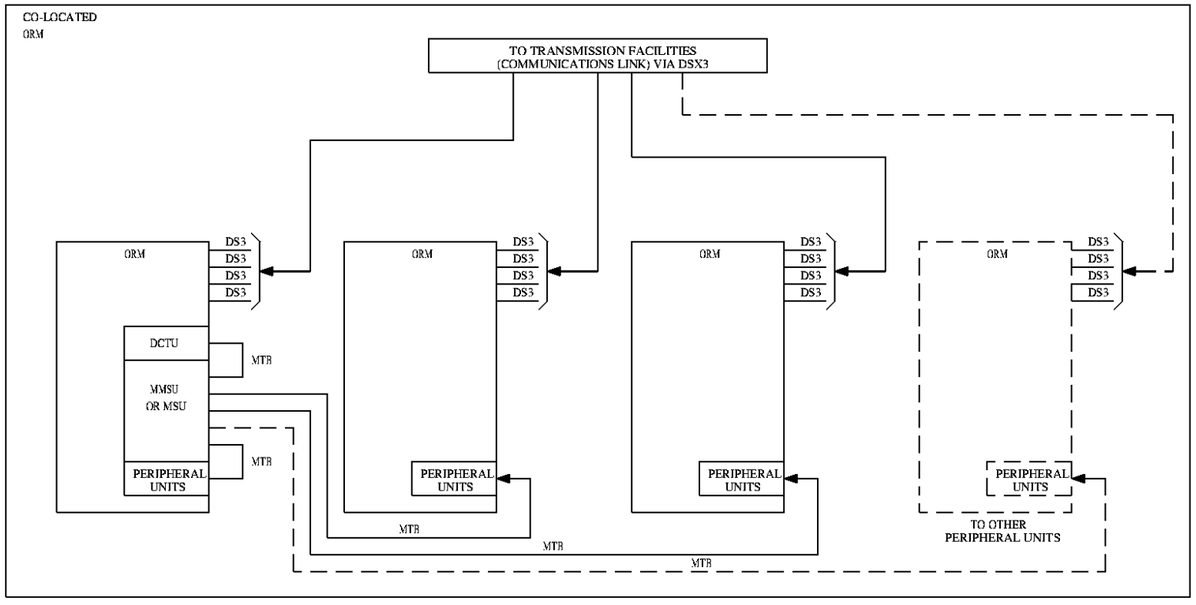
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B33

AS 12C

OPTICALLY REMOTED MODULE (ORM)
MTB ASSIGNMENTS FOR CO-LOCATED APPLICATIONS
(5E5 AND LATER GENERICS)

NOTES:

1. SEE REMOTE APPLICATION SCHEMATIC SD-5D133 FOR ADDITIONAL INFORMATION.
2. SEE 5ESS SWITCHING EQUIPMENT ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.
3. IT IS PERMISSIBLE TO MIX ORM AND EXM2000 WITHIN THE SAME CO-LOCATED REMOTE LOCATION.



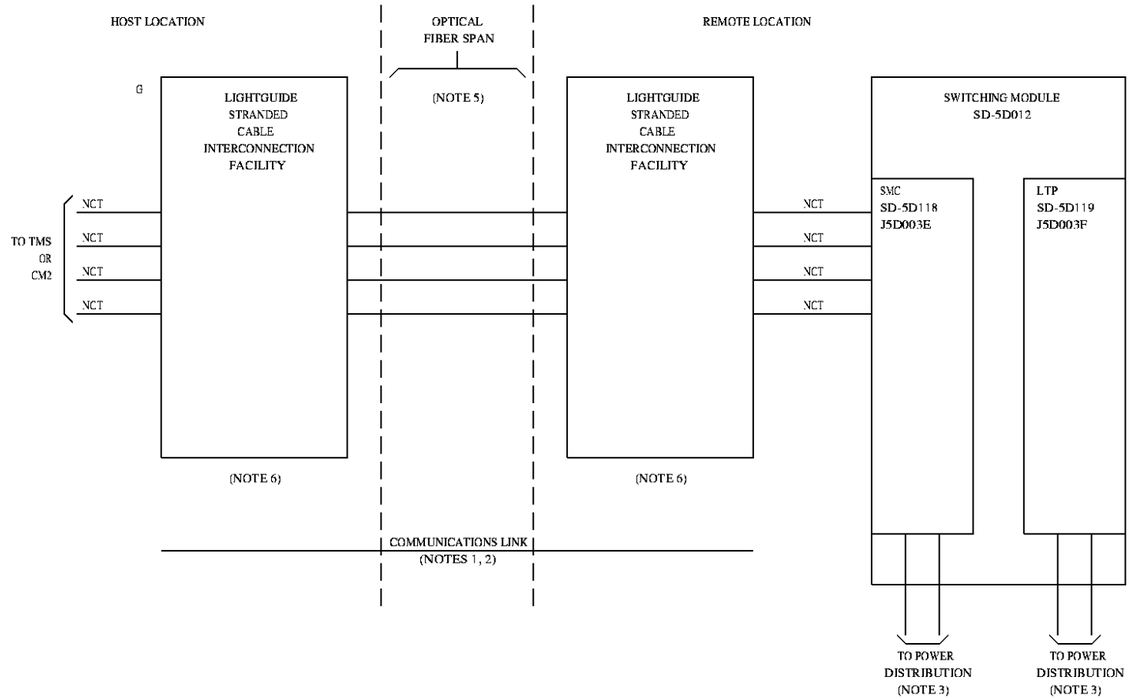
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B34

AS 13A

TWO MILE OPTICALLY REMOTED MODULE (TRM)
(5E3 AND LATER GENERICS)

NOTES:

1. SEE RSM COMMUNICATIONS LINE OPTIONS IN SD-5D071 FOR PROVIDING HOST TO REMOTE LINK.
2. THE OFFICE BELTLINE IS NOT SUPPORTED AT THE REMOTE LOCATION.
3. AC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D004. DC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D005.
4. SEE REMOTE APPLICATION SCHEMATIC, SD-5D133 FOR ADDITIONAL INFORMATION.
5. THE OPTICAL FIBER SPAN BETWEEN THE TMS OR CM2 AND THE SM AT THE REMOTE LOCATION MUST NOT PRESENT GREATER THAN A 14dB LOSS END TO END.
6. SEE AS 3, NOTES 8 & 9 FOR LSCI INFORMATION.



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

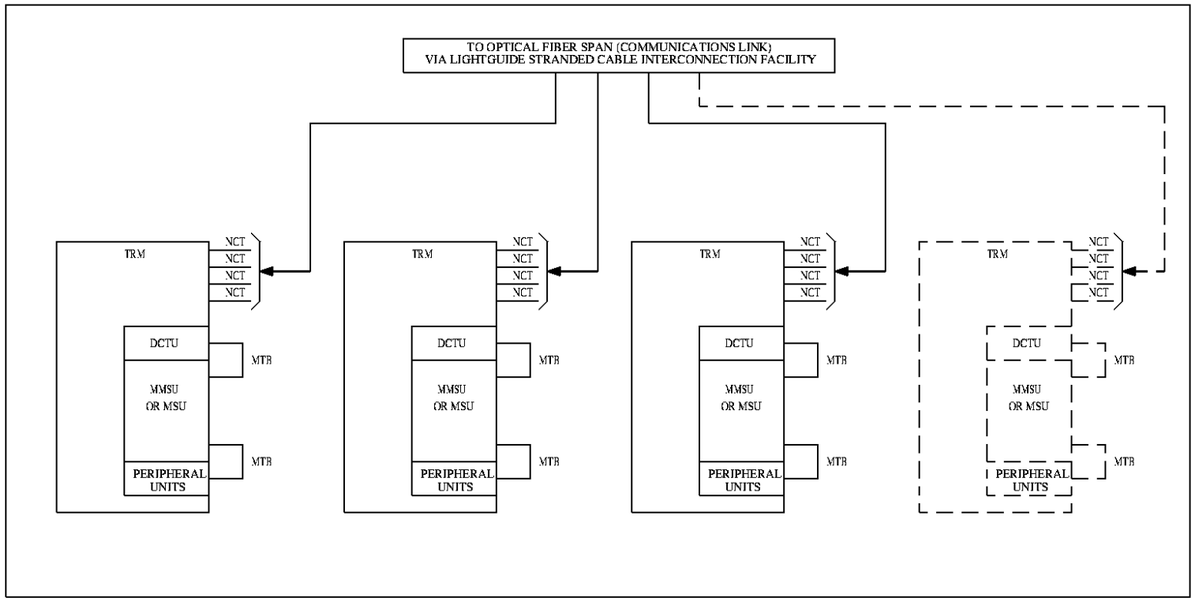
Lucent Technologies	SD-5D014-02	SHEET B35

AS 13B

TWO MILE OPTICALLY REMOTED MODULE (TRM)
MTB ASSIGNMENTS
(5E3 AND LATER GENERICS)

NOTES:

1. SEE REMOTE APPLICATION SCHEMATIC SD-5D133 FOR ADDITIONAL INFORMATION.
2. SEE 5ESS SWITCHING EQUIPMENT ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.



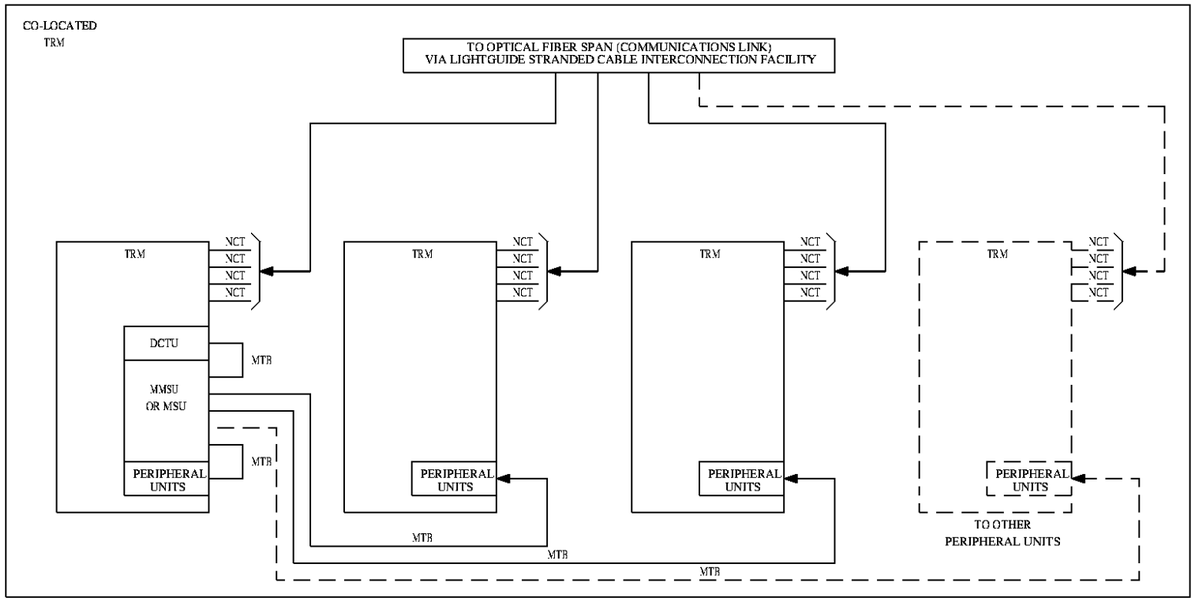
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B36

AS 13C

TWO MILE OPTICALLY REMOTED MODULE (TRM)
MTB ASSIGNMENTS FOR CO-LOCATED APPLICATIONS
(5E5 AND LATER GENERICS)

NOTES:

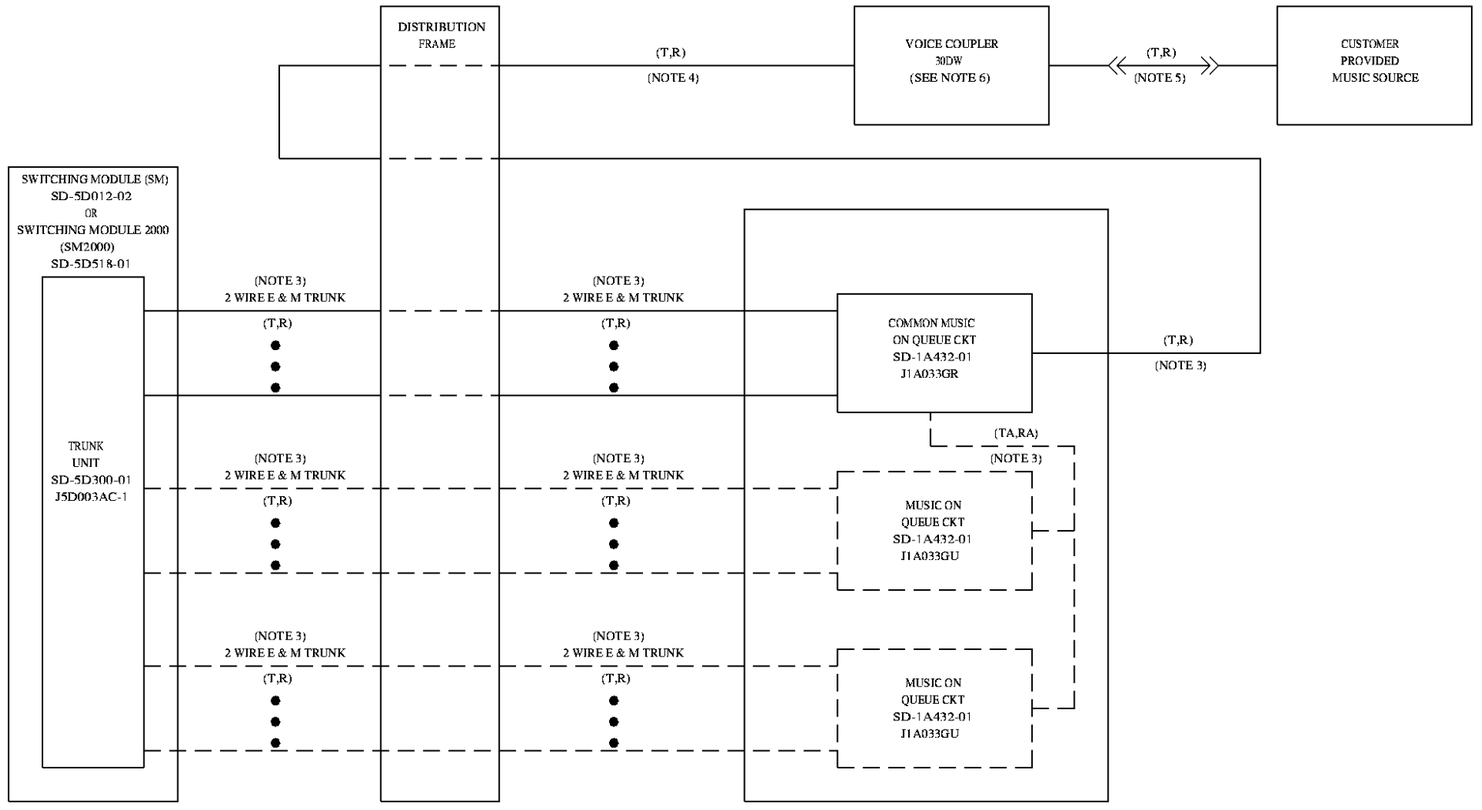
1. SEE REMOTE APPLICATION SCHEMATIC SD-5D133 FOR ADDITIONAL INFORMATION.
2. SEE 5ESS SWITCHING EQUIPMENT ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.



APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B37

AS 14

MUSIC ON QUEUE APPLICATIONS
(MISCELLANEOUS CABINET)



NOTES:

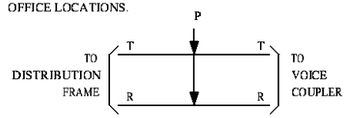
1. CIRCUIT INFORMATION FOR MUSIC ON QUEUE IS CONTAINED IN SD-1A432-01. EQUIPMENT INFORMATION IS CONTAINED IN J1A033GR-1 (COMMON MUSIC ON QUEUE CIRCUIT) AND J1A033GU-1 (ADDITIONAL DISTRIBUTION FOR MUSIC ON QUEUE CIRCUIT).

2. AC POWER DISTRIBUTION IS IN SD-5D004-01.
DC POWER DISTRIBUTION IS IN SD-5D005-01.

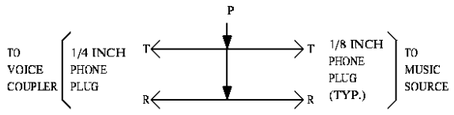
3. ALL CABLES ASSOCIATED WITH THE 5ESS (INCLUDING THE MISCELLANEOUS CABINET) ARE DEFINED IN:

   ED-5D500-20 (INTRACABINET CABLES)
   ED-5D500-21 (INTERCABINET CABLES)

4. THIS IS A 600-OHM NON-LOADED PRIVATE LINE. IT SHOULD BE OF SUFFICIENT LENGTH TO PERMIT THE 30DW VOICE COUPLER TO BE LOCATED ON CUSTOMER PREMISES OR CENTRAL OFFICE LOCATIONS.



5. THIS IS A PATCH CABLE WHICH WILL CONNECT THE 30DW VOICE COUPLER TO THE MUSIC SOURCE. A 1/8 INCH PHONE PLUG CONNECTION TO THE MUSIC SOURCE IS ONLY TYPICAL AND WILL DEPEND UPON THE MUSIC SOURCE BEING USED.

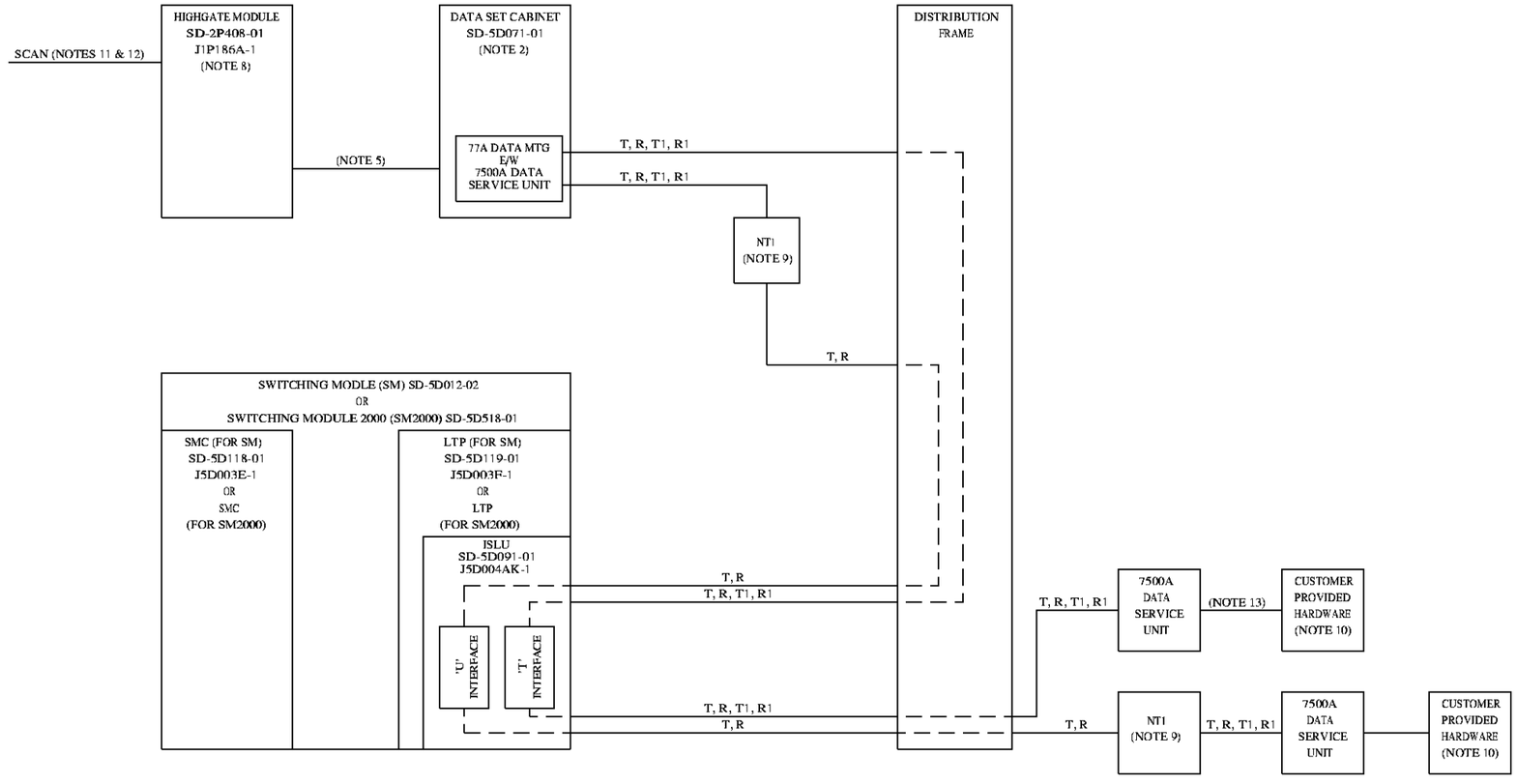


6. REFER TO BSP 463-311-101 FOR IDENTIFICATION, INSTALLATION, OPERATION, MAINTENANCE, AND CONNECTION INFORMATION FOR THE 30DW VOICE COUPLER.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE	ISSUE
	C2	33M
Lucent Technologies	SD-5D014-02	SHEET B38

AS 15

HIGHGATE MODULE
(5E4(2) AND LATER)



NOTES:

1. IN MANY OF THE DOCUMENTS REFERENCED IN THESE NOTES, THE HIGHGATE MODULE IS REFERRED TO AS THE 'DATAKIT II VCS'.

2. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   - DATA SET CABINET (OUT OF LINE UP)
     REFERENCE: SD-5D071-01
     ED-5D061-50

   - DATA SET CABINET (IN LINE UP)
     REFERENCE: SD-5D071-01
     ED-5D522-50

3. AC POWER DISTRIBUTION IS IN SD-5D004-01 AND DC POWER DISTRIBUTION IS IN SD-5D005-01.

4. ALL CABLES ASSOCIATED WITH THE 5ESS, EXCEPT FOR THE CABLES WHICH CONNECT THE HIGHGATE MODULE TO THE 7500 DATA SERVICE UNIT LOCATED IN THE DATA SET CABINET, CAN BE FOUND IN:

   ED-5D500-20 (INTRACABINET CABLING)
   ED-5D500-21 (INTERCABINET CABLING)

5. ALL CABLES RUNNING BETWEEN THE HIGHGATE MODULE AND THE 7500 DATA SERVICE UNIT, LOCATED IN THE DATA SET CABINET, CAN BE FOUND IN THE DATAKIT II VCS APPLICATION SCHEMATIC (SD-3P307-01).

6. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) OR SD-5D118-01 (SM2000 APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB, MTB, & ETC..

7. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

8. INFORMATION CONCERNING THE VARIOUS HARDWARE THAT THE HIGHGATE MODULE CAN INTERFACE WITH CAN BE FOUND IN THE DATAKIT II VCS APPLICATION SCHEMATIC (SD-3P307-01).

9. NT1 LINKS ARE ONLY REQUIRED IN APPLICATIONS IN WHICH A 'U' INTERFACE, LOCATED IN THE LTP CABINET, IS BEING ACCESSED BY THE HIGHGATE MODULE.

10. CUSTOMER PROVIDED HARDWARE CAN INCLUDE A HOST COMPUTER, PERSONAL COMPUTER, TERMINAL, ETC..

11. ALARM SCAN POINTS FROM THE HIGHGATE MODULE'S ALARM RELAY UNIT TERMINATE ON THE OFFICE ALARM UNIT (VIA THE DISTRIBUTION FRAME). REFERENCE ED-2P501-30 FOR CABLING INFORMATION.

12. THE PURPOSE OF THE ALARM SIGNALS FROM THE HIGHGATE MODULE'S ALARM RELAY UNIT TO THE OFFICE ALARM UNIT IS INTENDED TO NOTIFY THE 5ESS THAT THERE IS AN ALARM CONDITION WITHIN THE HIGHGATE MODULE. IN ORDER TO CLEAR THE HIGHGATE MODULE ALARM, THE USER MUST ACCESS THE ADMINISTRATIVE INTERFACE WHICH INTERFACES WITH THE HIGHGATE MODULE (SUCH AS THE STARKEEPER NETWORK MANAGE SYSTEM, STARKEEPER NETWORK TROUBLESHOOTER, CUSTOMER CONTROL SYSTEMS, ETC.).

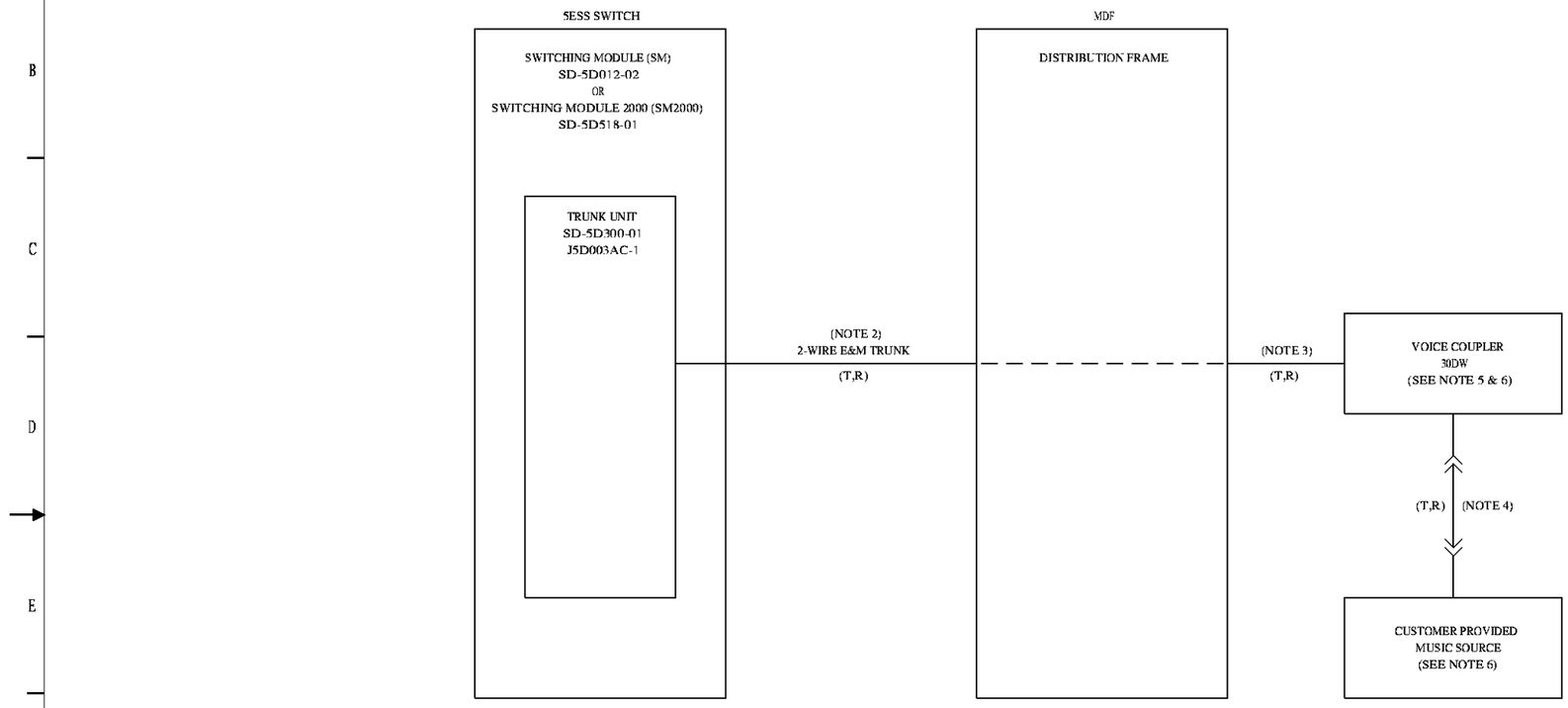
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B39

AS 16

ALTERNATE MUSIC AND ANNOUNCEMENTS
FOR MLHG QUEUING



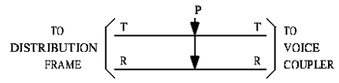
NOTES:

1. AC POWER DISTRIBUTION IS IN SD-5D004-01.
   DC POWER DISTRIBUTION IS IN SD-5D005-01.

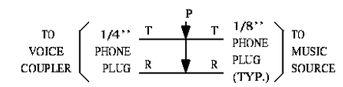
2. ALL CABLES ASSOCIATED WITH THE 5ESS SWITCH ARE DEFINED IN:

   ED-5D500-10
   ED-5D500-11

3. THIS IS A 600-OHM NON-LOADED PRIVATE LINE. IT SHOULD BE OF SUFFICIENT LENGTH TO PERMIT THE 30DW VOICE COUPLER TO BE LOCATED ON THE CUSTOMER PREMISE OR IN THE CENTRAL OFFICE.



4. THIS IS A PATCH CABLE WHICH WILL CONNECT THE 30DW VOICE COUPLER TO THE MUSIC SOURCE. A 1/8'' PHONE PLUG CONNECTION TO THE MUSIC SOURCE IS ONLY TYPICAL AND WILL DEPEND UPON THE MUSIC SOURCE BEING USED.



5. REFER TO BSP 463-311-101 FOR IDENTIFICATION, INSTALLATION, OPERATION, MAINTENANCE, AND CONNECTION INFORMATION FOR THE 30DW VOICE COUPLER.

6. THE 30DW VOICE COUPLER AND THE MUSIC SOURCE CAN BE LOCATED ON EITHER THE CUSTOMER PREMISE OR IN THE CENTRAL OFFICE.

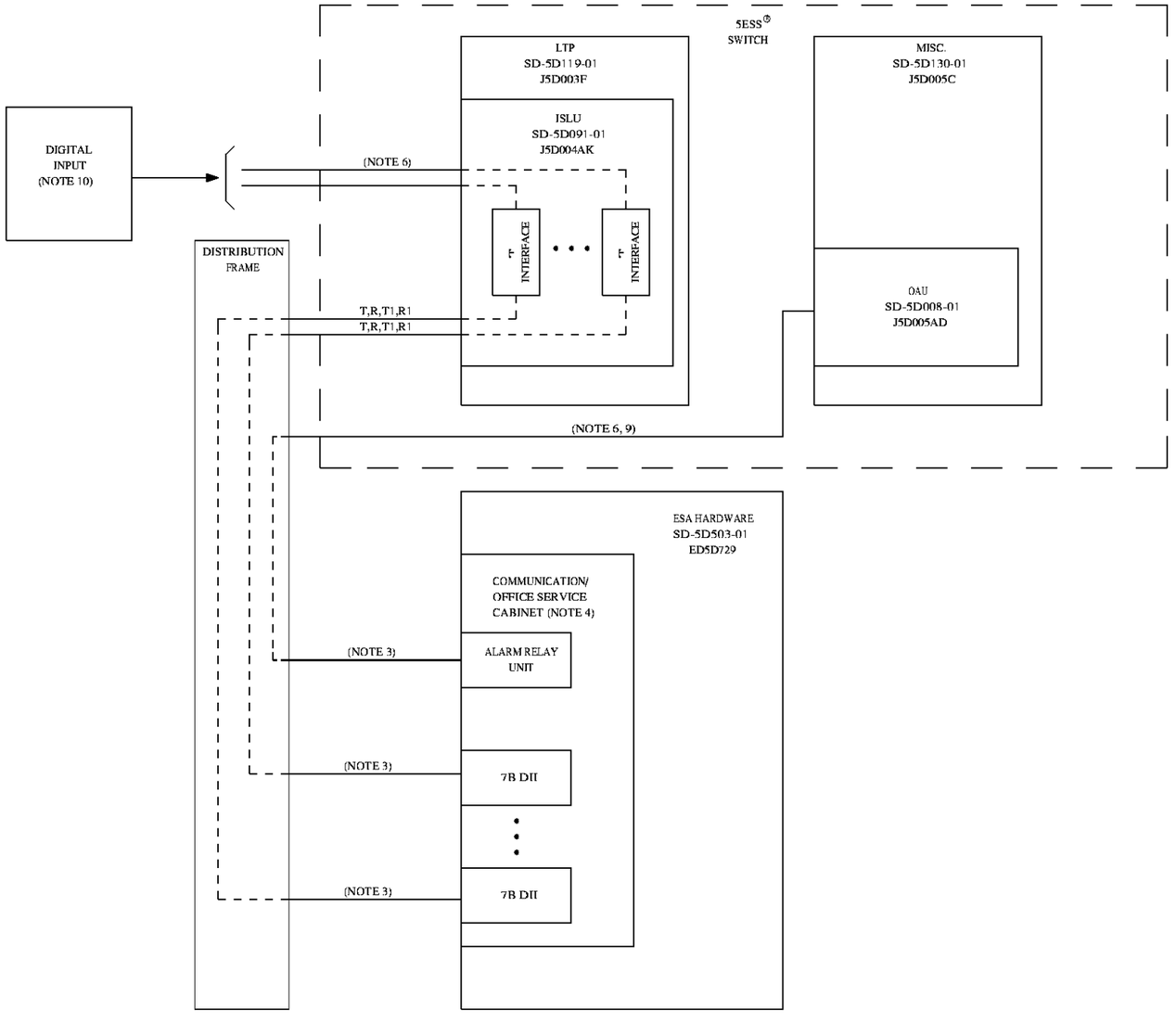
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET
		B40

AS 17

ENHANCED 911 SERVICE ADJUNCT
(5E7 AND LATER)



NOTES:

1. THE ENHANCED 911 SERVICE ADJUNCT (ESA) HARDWARE IS NOT CONSIDERED PART OF THE 5ESS® SWITCH HARDWARE AND SHALL BE EQUIPPED IN A STAND ALONE CONFIGURATION.

2. THE ESA HARDWARE MUST BE CONNECTED TO AN ISOLATED GROUND PLANE.

3. SEE SD5D503-01 FOR CABLE INFORMATION.

4. INFORMATION CONCERNING THE 'COMMUNICATION/OFFICE SERVICE CABINET' CAN BE FOUND IN SD5D503-01.

5. AC POWER DISTRIBUTION IS IN SD-5D004-01.
   DC POWER DISTRIBUTION IS IN SD-5D005-01

6. ALL CABLES ASSOCIATED WITH THE 5ESS® CAN BE FOUND IN:

   ED-5D500-20 (INTRACABINET CABLING)
   ED-5D500-21 (INTERCABINET CABLING)

7. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB, PIDB, MTB, & ETC..

8. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

9. THE PURPOSE OF THE ALARM SIGNALS FROM THE ESA'S ALARM RELAY UNIT TO THE 5ESS® OFFICE ALARM UNIT ARE INTENDED TO NOTIFY THE 5ESS® THAT THERE IS AN ALARM CONDITION WITHIN THE ESA HARDWARE. THE CONNECTION OF THESE ALARMS TO THE OFFICE ALARM UNITS CUSTOMER ASSIGNABLE SCAN POINTS ARE OPTIONAL (BUT RECOMMENDED) SINCE THE ESA HARDWARE ALREADY REPORTS ITS ALARMS TO THE SWITCH CENTER CONTROL SYSTEM (SCCS) VIA THE ESA SYSTEM CABINET. THE ESA ALARMS CAN BE CLEARED THROUGH THE SCCS ADMINISTRATIVE INTERFACE OR THROUGH THE ESA CRAFT TERMINAL.

10. THE E911 CALL IS ORIGINATED FROM A CUSTOMER PHONE LINE. THIS SIGNAL (WHICH CAN BE IN AN ANALOG OR DIGITAL FORMAT) IS DIRECTED THROUGH A PERIPHERAL UNIT IN THE 5ESS® SWITCH AND THEN ROUTED THROUGH A SWITCHING MODULE TO THE T-INTERFACE SHOWN IN THE BLOCK DIAGRAM.

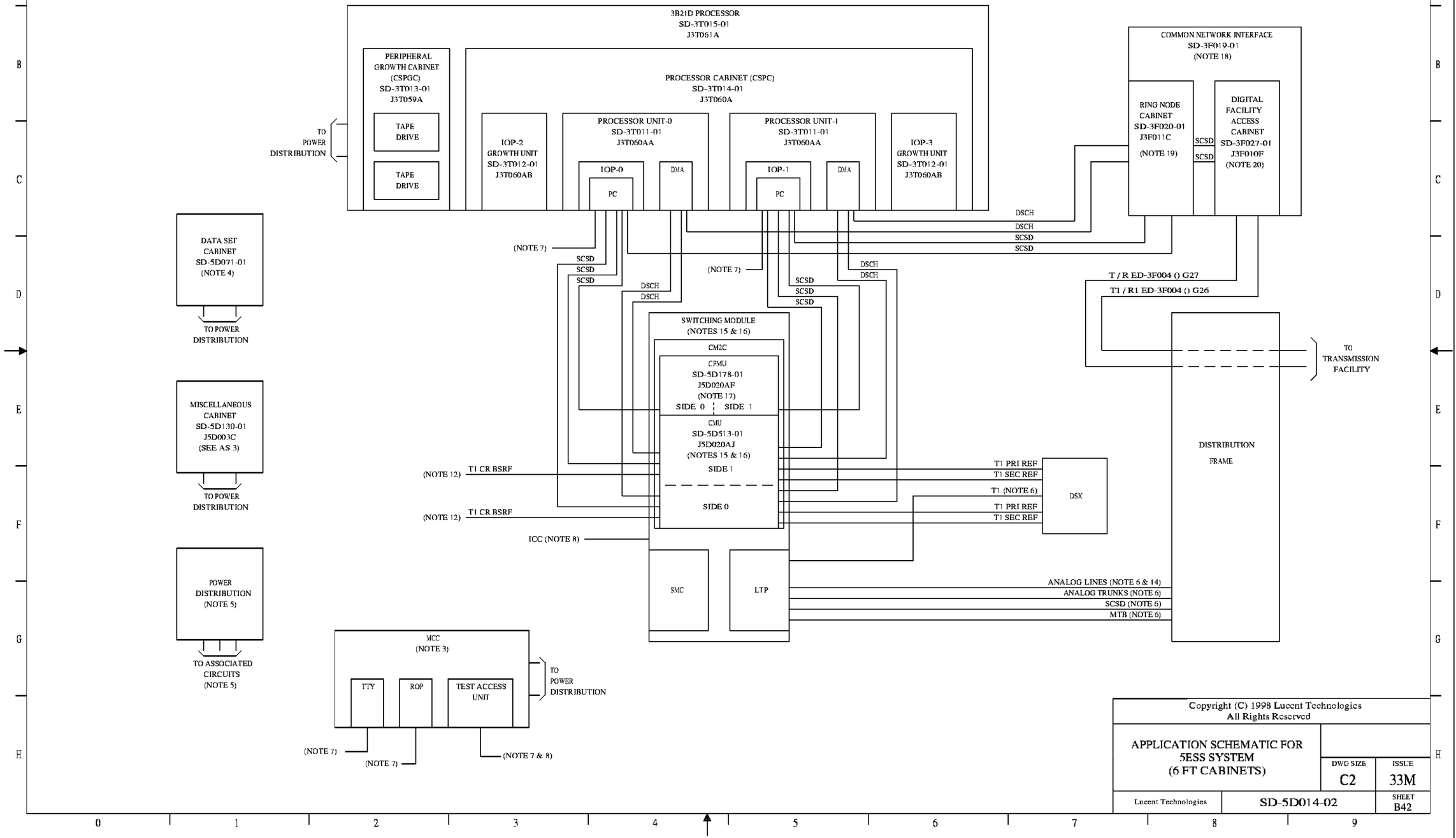
APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies	SD-5D014-02	SHEET B41

PART OF AS 18

5ESS - 2000 SWITCH E/W CM2C



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

Lucent Technologies | SD-5D014-02 | SHEET B42

PART OF AS 18

5ESS - 2000 SWITCH E/W CM2C

NOTES:

1. CIRCUIT INFORMATION FOR THE 3B21D PROCESSOR CAN BE FOUND IN SD-3T015-01. EQUIPMENT INFORMATION CAN BE FOUND IN J3T061A. SUPPLEMENTAL INFORMATION CAN BE FOUND IN TABLES 1B, 2A OR 2B.

2. NETWORK CLOCK SYNCHRONIZATION MAY BE PROVIDED BY AN ANALOG SOURCE (ATTRF) OR BY A DIGITAL SOURCE OVER T1 LINES VIA THE DSX BAY OR BOTH.

3. THERE ARE TWO EQUIPMENT OPTIONS FOR THE MAINTENANCE CONTROL CENTER (MCC):

   -MCC CONSOLE (REFERENCE: SD-5D101-01)
   ED-5D039-30)
   -MCC CABINET (REFERENCE: SD-5D114-01)
   J5D002A-01)

4. THERE ARE TWO EQUIPMENT OPTIONS FOR THE DATA SET CABINET:

   -DATA SET CABINET (OUT OF LINE UP)-(REFERENCE: SD-5D071-01)
   ED-5D061-50)
   -DATA SET CABINET (IN LINE UP)-(REFERENCE: SD-5D071-01)
   ED-5D522-50)

5. AC POWER DISTRIBUTION IS IN SD-5D004-01
   DC POWER DISTRIBUTION IS IN SD-5D005-01

6. ALL CABLES ASSOCIATED WITH THE 5ESS ARE DEFINED IN:

   ED-5D500-20 (INTRACABINET CABLES)
   ED-5D500-21 (INTERCABINET CABLES)

7. ASSIGNMENT OF PERIPHERAL CONTROL COMMUNITIES ARE JOB ENGINEERED PER TABLE 1B, 2A OR 2B. REFERENCE SD-5D071-01 FOR INFORMATION CONCERNING THE INTERCONNECTION OF OPERATIONAL SUPPORT SYSTEMS.

8. REFERENCE SD-5D159-01 FOR INTEROFFICE COMMUNICATIONS CIRCUIT.

9. THE SWITCHING MODULE IS EQUIPPED TO MEET JOB ENGINEERED REQUIREMENTS. REFERENCE SD-5D012-02 (SM APPLICATION SCHEMATIC) AND SD-5D518-01 (SM2000 APPLICATION SCHEMATIC) FOR GENERAL EQUIPMENT REQUIREMENTS. REFERENCE SD-5D007-01 (ASSIGNMENT RULES) FOR SPECIFIC EQUIPMENT REQUIREMENTS IN REGARDS TO PICB, PIDB, MTB AND ETC.

10. THERE ARE TWO EQUIPMENT OPTIONS AVAILABLE FOR THE STLWS:

    -MONOCHROME MONITOR (REF J5D002A-1, SD-5D114-01)
    -COLOR MONITOR (REF J5D002A-1, SD-5D114-01)

11. TBCU IS REQUIRED FOR INTEGRATED SLC-96 APPLICATION AND IS LOCATED IN THE TRANSMISSION AREA OF THE 5ESS SWITCHING OFFICE. THE NUMBER OF MTB CONNECTIONS IS JOB ENGINEERED. (REFERENCE: SD-97791, J-1C189).

12. FOR INTERNATIONAL APPLICATIONS, THE T1 CLOCK REFERENCE MAY BE PROVIDED VIA THE DLTU-E AND/OR VIA A DSX CABINET.

13. SEE EQUIPMENT NOTE 212 OF THIS DRAWING FOR DUAL SERIAL CHANNEL ASSIGNMENTS.

14. SEE EQUIPMENT NOTE 216 FOR CUTOVER REQUIREMENTS.

NOTES: (CONT)

15. FOR SM APPLICATIONS REFERENCE THE SWITCHING MODULE APPLICATION SCHEMATIC (SD-5D012-02), SWITCHING MODULE CABINET (SD-5D118-01, J5D003E), AND LINE AND TRUNK PERIPHERAL CABINET (SD-5D119-01, J5D003F) DRAWINGS.

16. FOR SM2000 APPLICATIONS REFERENCE THE SWITCH MODULE 2000 APPLICATION SCHEMATIC (SD-5D518-01).

17. THE CMPU IS OPTIONAL, BUT IS REQUIRED IN US APPLICATIONS.

18. THE COMMON NETWORK INTERFACE IS OPTIONAL.

19. SEE EQUIPMENT NOTE 217 OF THIS DRAWING FOR VARIOUS COMMON NETWORK INTERFACE (CNI) RING NODE CONFIGURATIONS SUPPORTED BY THE 5ESS.

20. THE SD-3F027-01 (J3F010F) DFA CABINET CAN BE EQUIPPED WITH A MAXIMUM OF 24 DATA SETS PER CABINET.

21. THE 5ESS-2000 E/W CM2C SUPPORTS A SM IN BOTH INTERNATIONAL AND US APPLICATIONS. IT ALSO SUPPORTS A SM-2000 IN INTERNATIONAL APPLICATIONS.

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

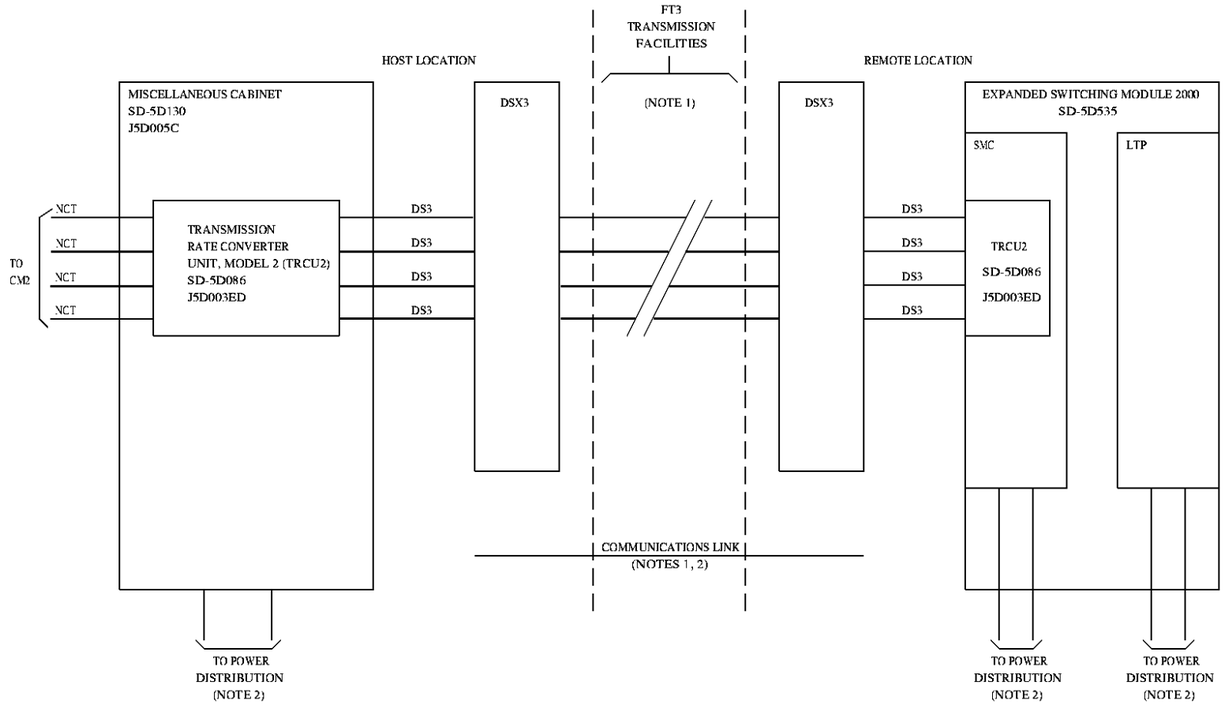
Lucent Technologies	SD-5D014-02	SHEET
		B43

AS 19A

EXTENDED SWITCHING MODULE 2000
(EXM2000)
(5E9.2 AND LATER SOFTWARE RELEASES)

NOTES:

1. AC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D004.
   DC POWER DISTRIBUTION INFORMATION IS FOUND IN SD-5D005.
2. SEE THE REMOTE 2000 APPLICATION SCHEMATIC SD-5D535 FOR ADDITIONAL INFORMATION.
3. THE FT3 SPAN IS LIMITED TO 100 MILES (160.93KM) BETWEEN THE HOST AND REMOTE LOCATIONS.



APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02	SHEET: B44

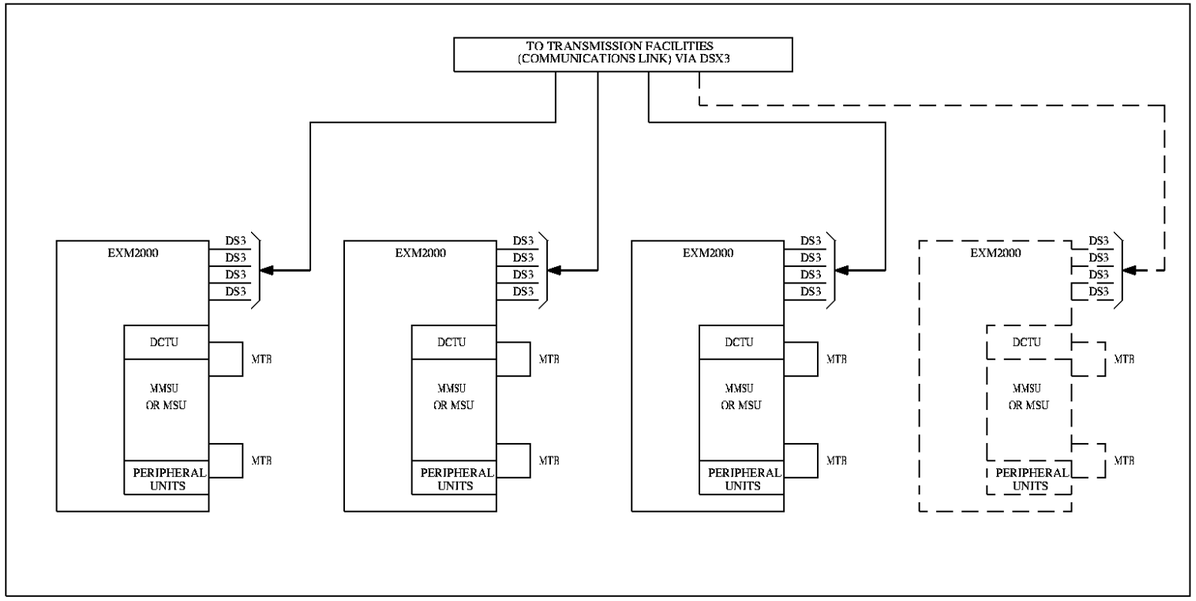
AS 19B

EXTENDED SWITCHING MODULE 2000 (EXM2000)
MTB ASSIGNMENTS
(5E9.2 AND LATER SOFTWARE RELEASES)

NOTES:

1. SEE THE REMOTE 2000 APPLICATION SCHEMATIC SD-5D535 FOR ADDITIONAL INFORMATION CONCERNING THE EXM2000.

2. SEE THE 5ESS ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.



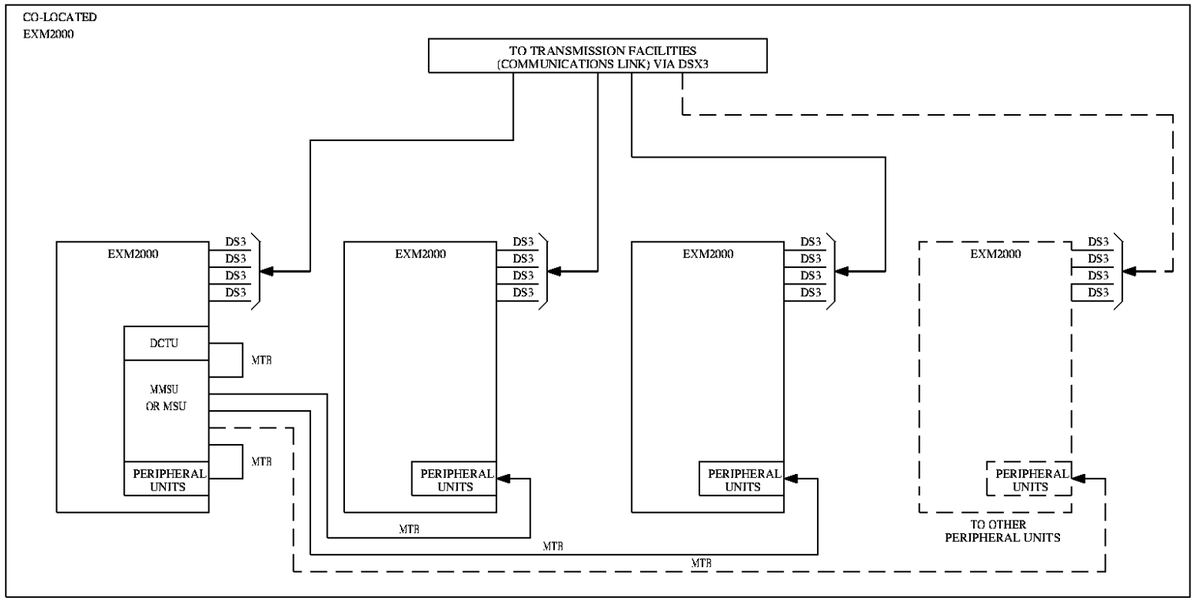
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 33M
Lucent Technologies	SD-5D014-02		SHEET: B45

AS 19C

EXTENDED SWITCHING MODULE 2000 (EXM2000)
MTB ASSIGNMENTS FOR CO-LOCATED APPLICATIONS
(5E9.2 AND LATER SOFTWARE RELEASES)

NOTES:

1. SEE THE REMOTE 2000 APPLICATION SCHEMATIC SD-5D535 FOR ADDITIONAL INFORMATION CONCERNING THE EXM2000.
2. SEE THE 5ESS ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.
3. IT IS PERMISSIBLE TO MIX ORM AND EXM2000 WITHIN THE SAME CO-LOCATED REMOTE LOCATION.



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

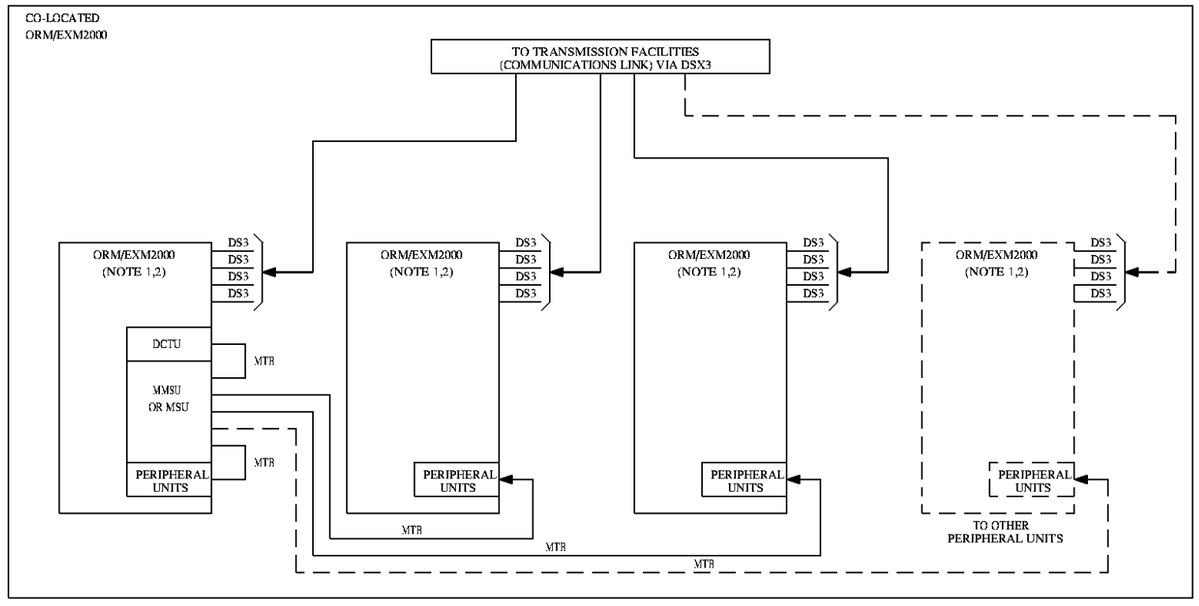
Lucent Technologies	SD-5D014-02	SHEET B46

AS 20

CO-LOCATED OPTICALLY REMOTED MODULE (ORM)
AND EXTENDED SWITCHING MODULE (EXM2000)
(5E9.2 AND LATER SOFTWARE RELEASES)

NOTES:

1. SEE THE REMOTE APPLICATION SCHEMATIC SD-5D133 FOR ADDITIONAL INFORMATION CONCERNING THE ORM.
2. SEE THE REMOTE 2000 APPLICATION SCHEMATIC SD-5D535 FOR ADDITIONAL INFORMATION CONCERNING THE EXM2000.
3. SEE THE 5ESS ASSIGNMENT RULES SD-5D007 FOR ADDITIONAL INFORMATION.
4. IT IS PERMISSIBLE TO MIX ORM AND EXM2000 WITH THE SAME CO-LOCATED REMOTE LOCATION.



APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE	ISSUE
	C2	33M
Lucent Technologies	SD-5D014-02	SHEET B47

AS 21

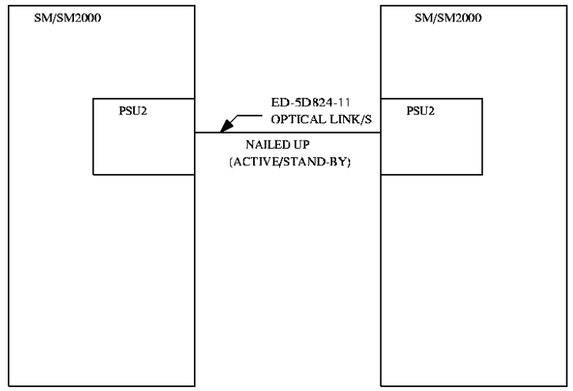
CDMA

WITH PSU2 (OPTICAL LINK) AND ATM

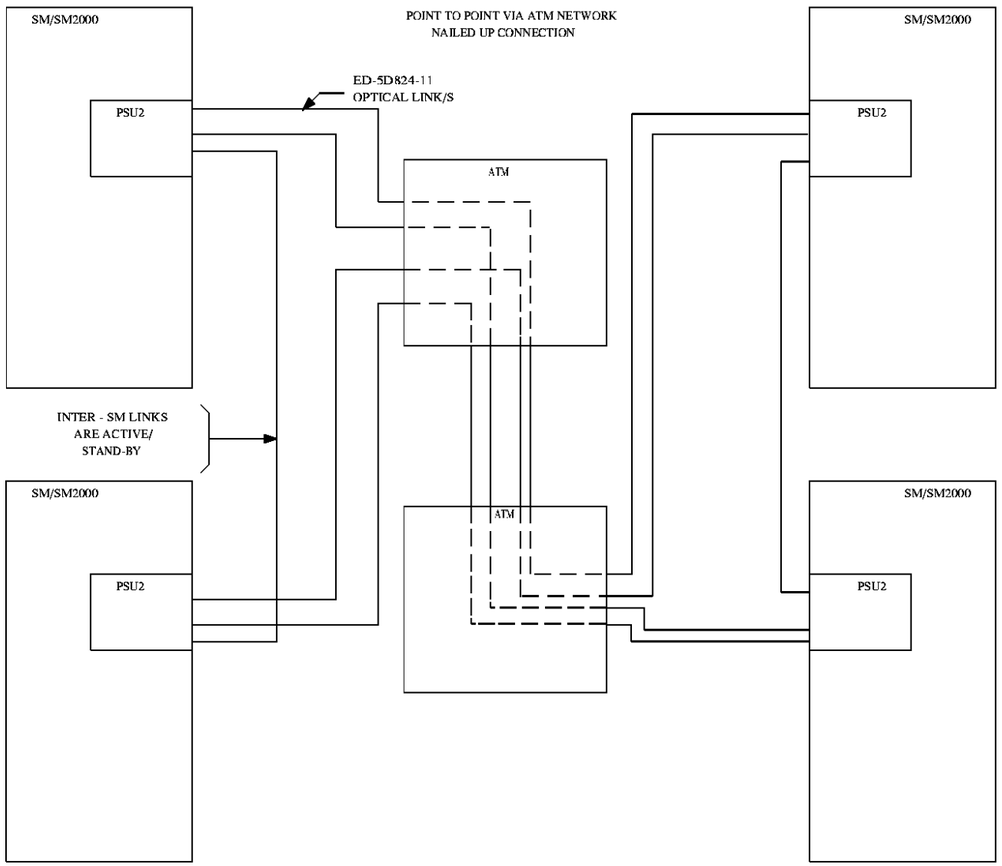
NOTES:

1. SEE THE WIRELESS APPLICATION SCHEMATIC SD-2R653-01 FOR MORE DETAILS.
2. SEE SD-5D007-01 ASSISTANT RULE DRAWING FOR ADDITIONAL INFORMATION ALSO SM/SM2000 APPLICATION SCHEMATIC SD-5D012-02 AND SD-5D518-01 RESP.

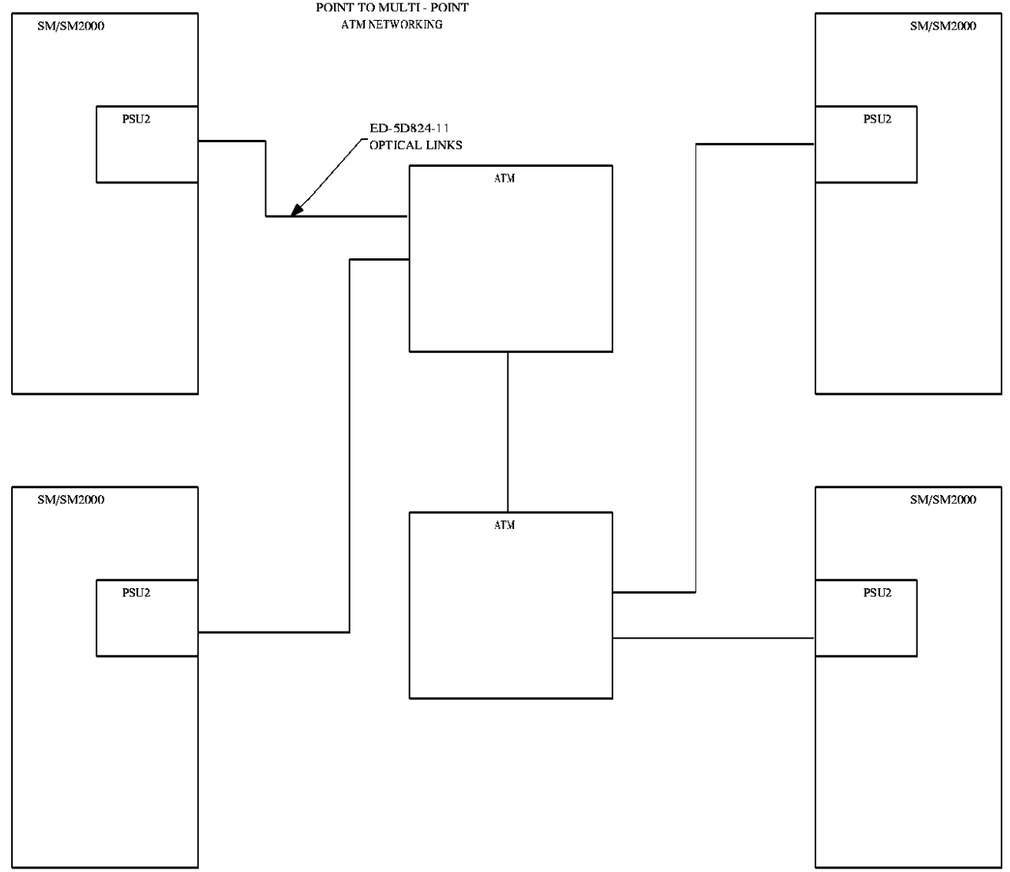
POINT TO POINT
COLOCATED SM/SM2000



POINT TO POINT VIA ATM NETWORK
NAILED UP CONNECTION



POINT TO MULTI - POINT
ATM NETWORKING



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	35M

Lucent Technologies | SD-5D014-02 | SHEET B48

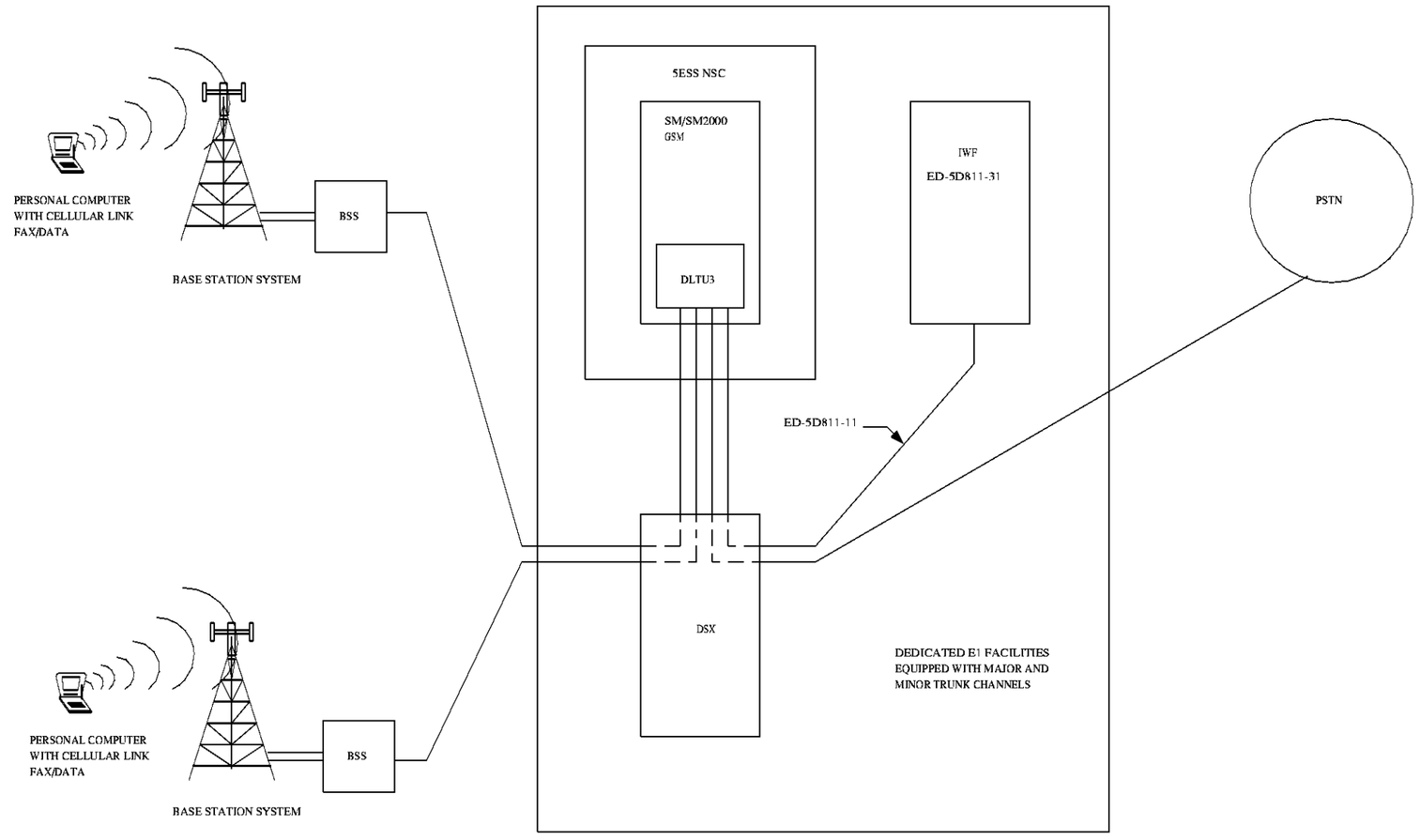
AS 22

TYPICAL IWF APPLICATION

(INTER-WORKING FUNTION)

NOTES:

1. AN IWF PROVIDES WIRELESS FAX AND DATA ON A 5ESS GSM MSC AND IS CONSIDERED PART OF THE MSC.
2. THE AMOUNT OF IWF EQUIPMENT IS SUBSCRIBER DATA DEPENDANT PER OEN 127H AND ED-5D811-31 ENGINEERING NOTES
3. AN IWF IS NOT RESTRICTED TO BEING CONNECTED TO THE SAME SM/SM2000 AS THE BSSs.



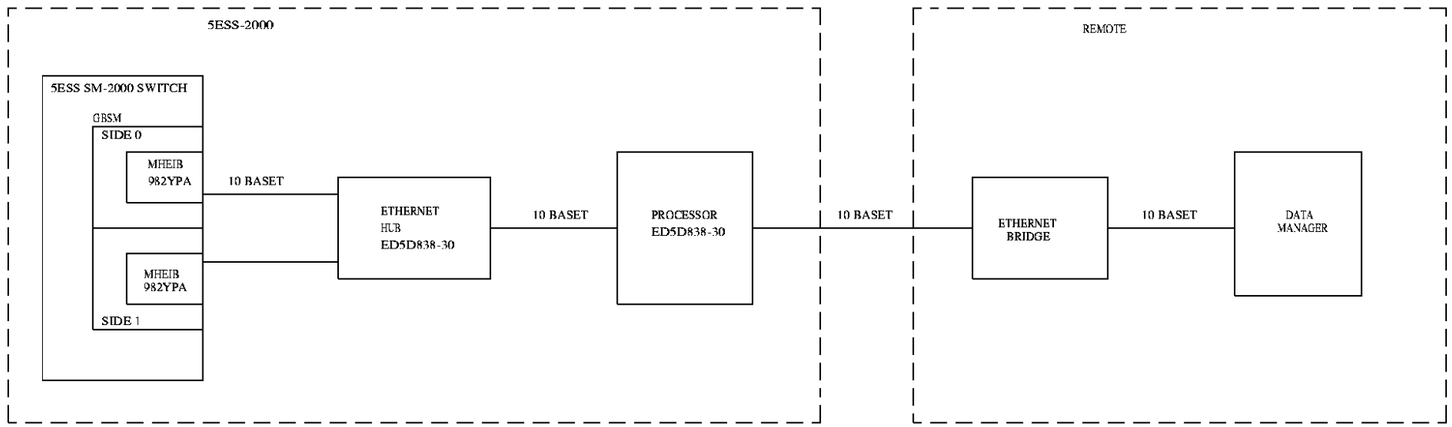
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)	DWG SIZE C2	ISSUE 36M
Lucent Technologies	SD-5D014-02	SHEET B49

AS 23

REAL TIME CALL DETAIL (RTCD)

NOTES:

1. FOR CAT5 INTERCONNECT CABLES REFERENCE ED5D838-30.
2. FOR RTCD APPLICATIONS, THE COAXIAL CONNECTOR ON EACH 982YPA CONNECTOR IN THE SM MUST BE TERMINATED. REFERENCE ED5D734-30, WHICH WILL PROVIDE TWO BNC TERMINATOR PLUGS.



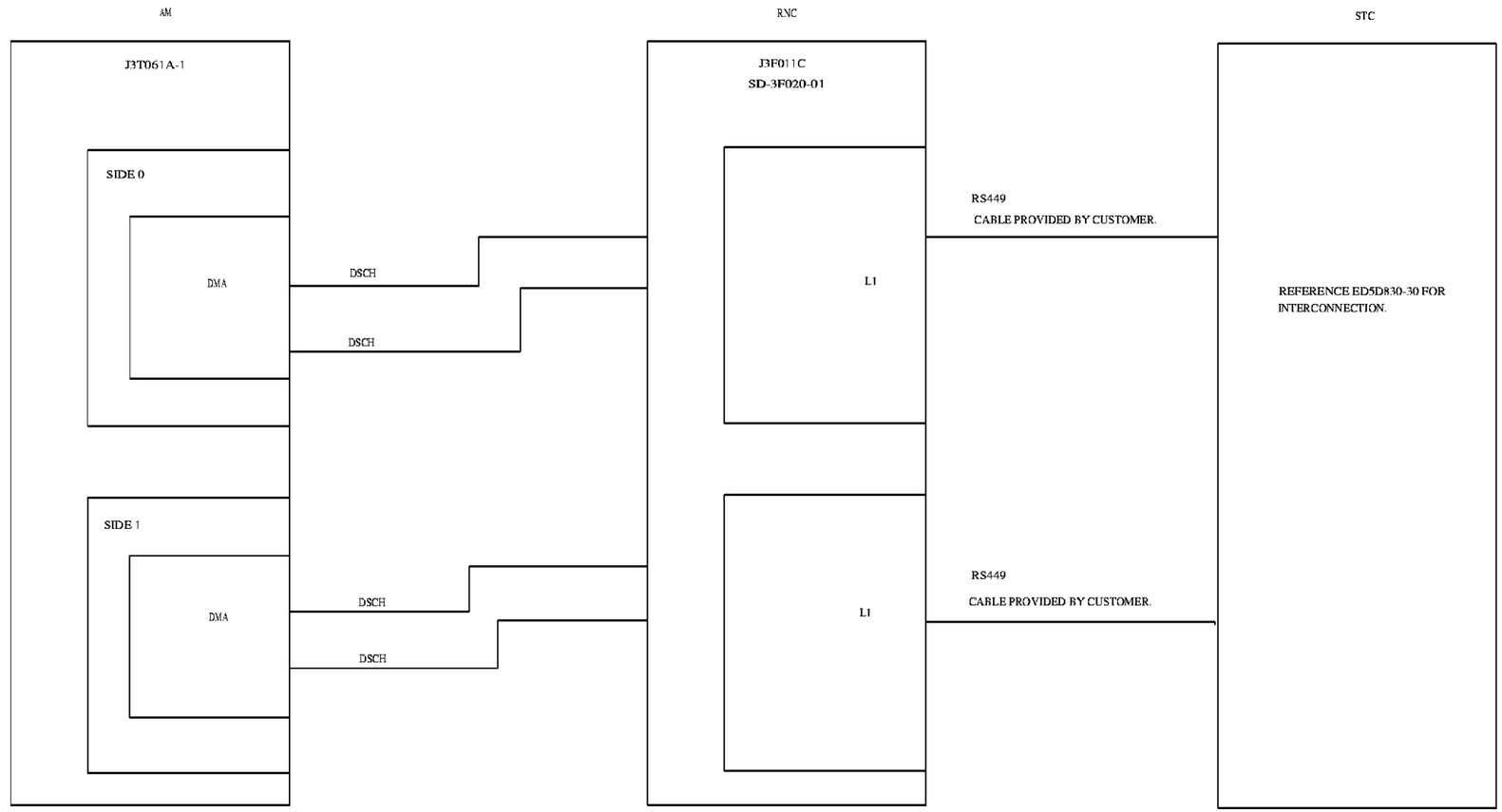
APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)		DWG SIZE: C2	ISSUE: 36M
Lucent Technologies	SD-5D014-02		SHEET: B50

AS 24

SIGNALLING TRANSFER CABINET (STC)

NOTES:

1. REFERENCE ED5D830-30.
2. INTERCONNECT INFORMATION FOR THE GOLDEN PATH APPLICATION IS PROVIDED IN NE08708-10 AND NT08708-30.
3. AN OFFICE SHALL BE EQUIPPED WITH AT LEAST TWO BUT NO MORE THAN THREE STC CABINETS.



APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	37M

Lucent Technologies | SD-5D014-02 | SHEET B51

CIRCUIT NOTES:

101. FOR FUSING AND VOLTAGE RANGE INFORMATION SEE INDIVIDUAL SCHEMATIC DRAWINGS COMPRISING SYSTEM.

102. D.C. POWER DISTRIBUTION REQUIREMENTS ARE DEFINED IN SD-5D005-01.

103. A.C. POWER DISTRIBUTION REQUIREMENTS ARE DEFINED IN SD-5D004-01.

104. ASSIGNMENT RULES ARE DEFINED IN SD-5D007-01.

105. OPERATIONAL SUPPORT SYSTEMS ARE DEFINED IN SD-5D071-01.

106. GROUNDING INFORMATION IS DEFINED IN ED-5D022-01.

107. CIRCUIT INFORMATION FOR THE 3B20D MODEL 2 AND MODEL 3 ARE DEFINED IN SD-4C122-01.

EQUIPMENT NOTES:

201. FLOOR PLAN DATA INFORMATION IS AVAILABLE IN:

- FPD 820-800-000-13 THROUGH FPD 820-800-000-18 FOR 5ESS EQUIPMENT.

FOR THE 3B20D MODEL 2.

- FPD 801-824-162-1
  801-824-163-1
  801-824-164-1
  801-824-165-1

FOR THE 3B20D MODEL 2.

ALL CABLES ASSOCIATED WITH THE 5 ESS ARE DEFINED IN:

ED-5D500-10 (INTRACABINET CABLING)
ED-5D500-11 (INTERCABINET CABLING)

203. ADMINISTRATION OF MDF CABLING IS DEFINED IN:

ED-5D027-01 ASSIGNMENTS
ED-5D025-01 TYPICAL EQUIPMENT

204. APPARATUS SPARING REQUIREMENTS ARE DEFINED IN ED-5D133-01.

205. REFERENCE ED-5D511 FOR METHOD OF INSTALLATION.

EQUIPMENT NOTES (CONT):

206. TABLE AA

3B20D MODEL 2 PROCESSOR

FUNCTION	J1C176A-1 LIST	QUANTITY	EXPLANATION	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	L	1	PROVIDES ENHANCED LIGHTING IMMUNITY REQUIRED FOR 5ESS SWITCHING SYSTEMS	ALL	STD
	M	1	ENHANCED FIRMWARE FOR TN19 CIRCUIT PACK	ALL APPLICATIONS UTILIZING CENTURY DATA SYSTEMS 300MB MHD'S	
	1	1	PROVIDES BASIC 3B20D MODEL 2 (EG, PCCA 0, PCCA 1, DPC)	ALL	
	2	1	PROVIDES 3 MHD FOR USE IN ALL REGIONS		
	3	1	PROVIDES 3 MHD FOR USE IN SOUTHERN, SOUTHEASTERN, NORTHEASTERN, MOUNTAIN, OR PACIFIC REGIONS		A&M
	4	1	PROVIDES REQUIRED TAPE CABINET FOR LAMA OR GENERIC UPDATE		STD
	5	12	PROVIDES TN28B MEMORY CIRCUIT PACKS		
	6	1	CACHE MEMORY & CONTROL (UN10B & UN11B)		DA
	7		NOT REQUIRED		
	8	1	PROVIDES A UN21B CIRCUIT PACK WHICH IS REQUIRED FOR TEST ACCESS		
	9	1	REQUIRED IF PC COMMUNITY 3 IS EQUIPPED (SEE PC ASSIGNMENT TABLES IN THIS DWG)		
	10	1	COLOR TERMINAL OPTION (MTTY)		
	10C	1	250 FT DATA CONTROL CABLE FOR COLOR TERMINAL	ANY APPLICATION WHICH REQUIRES COLOR MTTY AT AN EXTENDED DISTANCE FROM PROCESSOR LINE UP	
	11	1	MCC ROP	ALL	
	11C	1	250 DATA CONTROL CABLE FOR ROP	ANY APPLICATION WHICH REQUIRES ROP AT AN EXTENDED DISTANCE FROM PROCESSOR LINE UP	
	13	1	PROVIDES DUAL SERIAL CHANNEL 12 REQUIRED FOR ALL 5ESS® APPLICATIONS EQUIPPED WITH GREATER THAN 56 SM'S TOTAL OR CCS TOLL 5ESS® APPLICATIONS (SEE EQUIPMENT NOTE 213 FOR APPLICATION SPECIFIC WIRING REQUIREMENTS)	5E2(2)	STD
	15	1	PROVIDES ADDITIONAL 5 VOLT POWER FOR CACHE MEMORY	ALL	
	16	1	PROVIDES ADDITIONAL 5 VOLT POWER REQUIRED WHEN 8 OR MORE TN28B CIRCUIT PACKS ARE EQUIPPED	5E1(2)	
	17	1	4K PROM CIRCUIT PACK PROGRAMMED FOR DMERT GENERIC 3 (UN28B)	5E2(1)	
	18	1	16K EPROM WMCS PROGRAMMED FOR DMERT GENERIC 3 (TN19 AND UN55)	5E2(1) OR ALL APPLICATIONS UTILIZING 340MB DISKS OR CENTURY DATA SYSTEMS 300MB MHD'S	
	19	1	PROVIDES 1ST INCREMENT OF 2MB MAIN STORE MEMORY	5E2(2) REQUIRING >16MB OF MAINSTORE MEMORY	
	20	1	PROVIDES ONE INCREMENT OF 2MB MAIN STORE MEMORY REQUIRED IN APPLICATIONS WITH JOB ENGINEERED SPECIFICATIONS EXCEEDING 16MB OF MAIN STORE MEMORY		

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

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SHEET: D1

EQUIPMENT NOTES (CONT):

206. TABLE AA (CONT)

3B20D MODEL 2 PROCESSOR

FUNCTION	J1C176A-1 LIST	QUANTITY	EXPLANATION	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	21	1	MTTY CONTROLLER WITH EAI PAGE ENHANCEMENTS	OPTIONAL IN 5E3 POST RETROFIT APPLICATIONS REQUIRED IN 5E4	STD
	22	1	PROVIDES ONE TAPE UNIT CABINET E/W ONE TAPE UNIT REQUIRED FOR LINK OR GENERIC UPDATE	ALL	
	23	1	PROVIDES OPTIONAL 300VA POWER INVERTER FOR TAPE DRIVE		
	24	1	PROVIDES MEMORY EXPANSION CAPABILITY	5E2(2) REQUIRING >16MB OF MAINSTORE MEMORY	
	25	1	PROVIDES INCREMENT OF 2MB MEMORY IN GROWTH UNIT		
	26	1	PROVIDES IMPROVED DFC FIRMWARE	ALL APPLICATIONS USING CDS 300MB MHD'S	
	28	1	PROVIDES CIRCUIT PACKS TO ARRANGE PROCESSOR FOR STORE ADDRESS TRANSLATOR	NOT REQUIRED	DA
	29	1	WIRING PROVIDED IN ADDITION TO LIST 28 TO ENHANCE OPERATING SYSTEM PERFORMANCE		STD
	30#	1	PROVIDES FAST TAPE BACK-UP CAPABILITY	5E2(1) 300MB TO 340MB DISK CONVERSION APPLICATIONS AND ALL 5E2(2) APPLICATIONS	
	38#	1	PROVIDES THE OFFLINE SPARE CAPABILITY IN OFFICES EQUIPPED WITH CDC 300MB DISK DRIVES PER LIST 2	ALL RECOMMENDED IN ALL 5ESS APPLICATIONS UTILIZING 300MB MHD'S	STD
PERIPHERAL CONTROLLERS	100	*	UN33B SCSD CIRCUIT PACKS	ALL	
	101	*	PROVIDES TN74B CIRCUIT PACK (ONE PER LIST)		
	102	*	PROVIDES TN75C CIRCUIT PACK (ONE PER LIST)		
	103		NOT REQUIRED (TF2 CIRCUIT PACK)		MD
	104	*	PROVIDES UN52 MAGNETIC TAPE CONTROLLER AND IS ALWAYS REQUIRED REGARDLESS OF PRESENCE OF A TAPE CABINET		
	105	*	56KBPS BX.25 DATA LINK CONTROLLER (TN82, MC4C052A1)	5E2(2)	
	106#	1	PROVIDES ONE HIGH SPEED (6250 BPI) TAPE DRIVE PERIPHERAL CONTROLLER	5E2(1) 300MB TO 340MB DISK CONVERSION APPLICATION	STD
PERIPHERAL INTERFACE CABINET (PIC)	411#	1	PROVIDES PERIPHERAL INTERFACE CABINET (PIC) EQUIPPED WITH ONE IOP BASIC UNIT (IOP 2) ARRANGED FOR 8 PERIPHERAL CONTROLLERS	APPLICATIONS UTILIZING PERIPHERAL CONTROLLERS ASSIGNED IN IOP 2 OR 3 NOTE: SEE EQUIPMENT NOTES 208-210 FOR CABLING REQUIREMENTS	
	412#	1	PROVIDES FIRST IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 2 GROWTH)		
	413#	1	FILLER PANEL USED WHEN TWO IOP BASIC UNITS ARE PROVIDED WITHOUT GROWTH UNITS		
	414#	1	PROVIDES 2ND IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3 GROWTH)		
	415#	1	FILLER PANEL USED WHEN TWO IOP BASIC UNITS ARE PROVIDED WITHOUT GROWTH UNITS		
300MB MHD GROWTH	40#	1	PROVIDES 4TH 300MB MHD IN OFFICES EQUIPPED WITH CDC DRIVES PER LIST 2	5E2(1) PROVIDE ADDITIONAL 300MB MHD'S PER JOB ENGINEERED REQUIREMENTS (SEE NOTE 211 FOR JOB ENGIN-EERED CABLE REQUIREMENTS)	
	41#	1	PROVIDES 5TH 300MB MHD IN OFFICES EQUIPPED WITH CDC DRIVES PER LIST 2		
	42#	1	PROVIDES 6TH 300MB MHD IN OFFICES EQUIPPED WITH CDC DRIVES PER LIST 2		
	141B	1	FIELD RETROFIT KIT INCLUDING 5TH MHD AND ASSOCIATED POWER INVERTER		

EQUIPMENT NOTES (CONT):

206. TABLE AA (CONT)

3B20D MODEL 2 PROCESSOR

FUNCTION	J1C176A-1 LIST	QUANTITY	EXPLANATION	5ESS GENERIC APPLICATION	RATING
1ST TAPE/DISK CABINET	200#	1	PROVIDES TAPE AND DISK CABINET E/W 2 340MB DISK DRIVES (00 & 01)	5E2(1) 300MB TO 340MB DISK CONVERSION APPLICATIONS (SEE NOTE 211 FOR JOB ENGINEERED CABLE REQUIREMENTS) (SEE NOTES 214 &215)	STD
	220#	1	PROVIDES ONE 6250/1600 BPI TAPE DRIVE		
	250#	1	PROVIDES 3RD 340MB DISK DRIVE (02)		
	251#	1	PROVIDES 4TH 340MB DISK DRIVE (03) (SEE NOTE 211)		
2ND TAPE/DISK CABINET	201	1	PROVIDES FIRST GROWTH TAPE DISK CABINET		
	210	1	PROVIDES POWER DISTRIBUTION UNIT FOR UP TO 8 DISK DRIVES (USE WHEN 2ND TAPE DRIVE WILL NOT BE EQUIPPED)		
	211	1	PROVIDES POWER DISTRIBUTION UNIT FOR UP TO 4 DISK DRIVES (USED WHEN PROVIDING 2ND TAPE UNIT OR 2ND TAPE UNIT IS ANTICIPATED)		
	221	1	PROVIDES A 6250/1600 DFI TAPE DRIVE IN 2ND TAPE DISK CABINET		
	252	1	PROVIDES A DISK UNIT (ONE REQUIRED PER 2 DRIVES) AND 5TH DISK DRIVE (04)		
	253	1	PROVIDES A DISK UNIT AND 6TH DISK DRIVE (05)		
	254	1	PROVIDES 7TH DISK DRIVE (06)		
	255	1	PROVIDES 8TH DISK DRIVE (07)		
	256	1	PROVIDES A DISK UNIT AND 9TH DISK DRIVE (08) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE		
	258	1	PROVIDES A DISK UNIT AND 10TH DISK DRIVE (09) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE		
	260	1	PROVIDES 11TH DISK DRIVE (10) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE		
	262	1	PROVIDES 12TH DISK DRIVE (11) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE		
3RD TAPE/DISK CABINET	202	1	PROVIDES SECOND GROWTH TAPE/DISK CABINET		
	210	1	PROVIDES POWER DISTRIBUTION FOR UP TO 8 DISK DRIVES (USE IF 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET AND A REQUIREMENT OF > 12 DISK DRIVES IS ANTICIPATED OR EXISTS)		
	211	1	PROVIDES POWER DISTRIBUTION FOR UP TO 4 DISK DRIVES (USE IF 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET AND A REQUIREMENT OF 9 THRU 12 DISK DRIVES IS ANTICIPATED OR EXISTS OR A SECOND TAPE DRIVE WAS NOT PROVIDED IN SECOND TAPE/DISK CABINET AND A REQUIREMENT OF 12 THRU 16 DISK DRIVES IS ANTICIPATED OR EXISTS)		
	257	1	PROVIDES ONE DISK UNIT AND 9TH DISK DRIVE (08) IF A 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET		
	259	1	PROVIDES ONE DISK UNIT AND 10TH DISK DRIVE (09) IF A 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET		
	261	1	PROVIDED 11TH DISK DRIVE (10) IF A 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET		
	263	1	PROVIDES 12TH DISK DRIVE (11) IF A 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET		
	264	1	PROVIDES DISK UNIT AND 13TH DISK DRIVE (12) IF LIST 211 IS PROVIDED IN 3RD TAPE/DISK CABINET		
	265	1	PROVIDES DISK UNIT AND 13TH DISK DRIVE (12) IF LIST 210 IS PROVIDED IN 2ND TAPE/DISK CABINET		
	266	1	PROVIDES DISK UNIT AND 14TH DISK DRIVE (13) IF LIST 211 IS PROVIDED IN 3RD TAPE/DISK CABINET		
	267	1	PROVIDES DISK UNIT AND 14TH DISK DRIVE (13) IF LIST 210 IS PROVIDED IN 2ND TAPE/DISK CABINET		

* QUANTITIES ARE DETERMINED BY JOB ENGINEERED REQUIREMENTS. SEE TABLES BA-BC TO DETERMINE REQUIREMENTS.

\# ADD A OR B SUFFIX TO LIST NUMBER FOR FACTORY OR FIELD RETROFIT APPLICATIONS.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 33M

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EQUIPMENT NOTES (CONT):

206. TABLE AA (CONT)

3B20D MODEL 2 PROCESSOR

FUNCTION	J1C176A-1 LIST	QUANTITY	EXPLANATION		5ESS GENERIC APPLICATION	RATING
3RD TAPE/DISK CABINET	268	1	PROVIDES 15TH DISK DRIVE IF LIST 264 IS EQUIPPED		5E2(1) 300MB TO 340MB DISK CONVERSION APPLICATIONS (SEE NOTE 211 FOR JOB ENGINEERED CABLE REQUIREMENTS) (SEE NOTES 214 &215)	STD
	269	1	PROVIDES 15TH DISK DRIVE IF LIST 265 IS EQUIPPED			
	270	1	PROVIDES 16TH DISK DRIVE IF LIST 266 IS EQUIPPED			
	271	1	PROVIDES 16TH DISK DRIVE IF LIST 267 IS EQUIPPED			
BASIC PROCESSOR	12	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR CACHE CONTROL AND CACHE MEMORY	REQUIREMENTS	5E2(2) OR LATER	DA (SEE NOTE 207 ED4C473 -35 FOR REPLACE-MENTS)
	14B	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR CACHE CONTROL (UN10D) AND CACHE MEMORY (UN11D)	AFTER DATE OPTION FOR 5E2(2) OR LATER GENERICS		
	17B		PROVIDES CIRCUIT PACKS TO ARRANGE FOR STORE ADDRESS TRANSLATOR (UN45D)			

EQUIPMENT NOTES (CONT):

207. TABLE AB

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	J4C176B-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	1	1	PROVIDES BASIC 3B20D MODEL 3 PROCESSOR FOR 5ESS EQUIPPED WITH BASIC IOP AND MAINSTORE MEMORY UNITS. ONE INCREMENT OF 1MS DUPLICATED MAINSTORE MEMORY. ONE DUPLICATE SCSD CIRCUIT PACK (UN33B) AND ONE DUPLICATE MTTY INTERFACE (TN83B)	ALWAYS REQUIRED	5E2(1)	STD
	2	1	PROVIDES GROWTH IOP'S (COMM 2 & 3) AND GROWTH MAINSTORE MEMORY UNITS IN BAY 0 AND 1.			
	5	1	PROVIDES ONE 1MB INCREMENT OF DUPLICATED MAINSTORE MEMORY. (NOTE 220)	PROVIDE PER JOB ENGINEERED REQUIREMENTS		
	6	1	CACHE MEMORY	ALWAYS REQUIRED		
	7	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR CACHE CONTROL (UN10C) AND CACHE MEMORY (UN11C).	AFTER DATE OPTION FOR 5E2(2) OR LATER GENERICS NOT REQUIRED IN 5E2(1) TO TO 5E2(2) GENERIC RETROFITS	5E2(2) AND LATER	DA
	8	1	PROVIDES POWER AND PERIPHERAL CONTROL CABLES FOR IOP PC COMMUNITY 2.	ALWAYS REQUIRED	5E2(1)	STD
	9	1	PROVIDES POWER AND PERIPHERAL CONTROL CABLES FOR IOP PC COMMUNITY 3.			
	10	1	COLOR TTY TERMINAL			
	11	1	READ ONLY PRINTER	NOT REQUIRED REPLACED BY LIST 40		
	12	1	PROVIDES DUPLICATED UTILITY CIRCUIT PACKS (UN61) FOR ENHANCED AT&T BELL LABORATORIES FIELD SUPPORT CAPABILITIES	OPTIONAL	ALL	
	13	1	PROVIDES DUAL SERIAL CHANNEL 12	(SEE NOTES 212 & 213)	5E2(2), 5EE1 AND LATER	
	15	1	ADDITIONAL 5 VOLT POWER REQUIRED FOR CACHE MEMORY.	ALWAYS REQUIRED	5E2(1)	
	16	1	ADDITIONAL +5V POWER FOR GROWTH IOP EQUIP WITH 9TH MEMORY INCREMENT OR WHEN EQUIPPING ONE TO THREE BSCH IO CHANNELS IN GROWTH IOP.			
	19	1	PROVIDES THE FIRST 2MB INCREMENT OF DUPLICATED MAINSTORE MEMORY.	REQUIRED FOR APPLICATIONS UTILIZING >16MB OF MAINSTORE MEMORY PROVIDED PER JOB ENGINEERED REQUIREMENTS	5E2(2) AND LATER	MD
	20	1	PROVIDES ADDITIONAL 2MB INCREMENT OF DUPLICATED MAINSTORE MEMORY. (NOTE 220)			STD
	21	1	EAI PAGE ENHANCED MTTY CONTROLLER	REQUIRED IN ALL NEW 5E3 AND LATER GENERIC OFFICES. OPTIONAL BUT NOT REQUIRED IN 5E3 GENERIC RETROFIT APPLICATIONS. REQUIRED IN ALL 5E4 OFFICES. NOT APPLICABLE TO 5E2(2) OR EARLIER GENERIC APPLICATIONS REQUIRED FOR 5EE3(1) AND LATER EXPORT GENERICS APPLICATIONS.	5E3 AND LATER	

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

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EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	J4C176B-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	22	1	PROVIDES THE CAPABILITY FOR MEMORY EXPANSION	REQUIRED FOR APPLICATIONS UTILIZING >16MB OF MAINSTORE MEMORY PROVIDE PER JOB ENGINEERED REQUIREMENTS	5E2(2) AND LATER	STD
	23	1	PROVIDES THE FIRST INCREMENT OF 2MB MAINSTORE MEMORY. (NOTE 220)			
	24	1	PROVIDES MEMORY EXPANSION CAPABILITY ASSOCIATED WITH CACHE MEMORY			
	25	1	REQUIRED IN ADDITION TO LIST 106 TO PROVIDE FAST TAPE BACKUP CAPABILITY	REQUIRED FOR ALL APPLICATIONS UTILIZING 340MB DISKS AND 5E2(1) OR LATER GENERICS	5E2(1) AND LATER	
	26	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR STORE ADDRESS TRANSLATOR (UN45C)	AFTER DATE OPTION FOR 5E2(2) OR LATER GENERICS. NOT REQUIRED IN 5E2(1) TO 5E2(2) GENERIC RETROFITS	5E2(2)	DA
	27	1	WIRING FOR STORE ADDRESS TRANSLATOR	AFTER DATE OPTION FOR 5E2(2) OR LATER GENERICS. CANNOT BE APPLIED PRIOR TO 5E2(2)		STD
	28	1	PROVIDES CIRCUIT PACK TO ARRANGE FOR CACHE CONTROL (UN10E) AND CACHE MEMORY (UN11D)	REQUIRED IN 5E2(2) OR GENERICS EQUIPPED WITH CNI AND EQUIPPED WITH TOLL OR TANDEM ACCESS HARDWARE	5E2(2) AND LATER	DA
	29	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR STORE ADDRESS TRANSLATOR (UN45E)			
	30	1	PROVIDES PROCESSOR CABINETS SUITABLE FOR APT APPLICATIONS	ALL APT APPLICATIONS	ALL	STD
	31	1	PROVIDES PROCESSOR CABINETS SUITABLE FOR CENTRAL OFFICE APPLICATIONS	ALL 5ESS CENTRAL OFFICE APPLICATIONS		
	32	1	PROVIDES PROCESSOR CABINET SUITABLE FOR PBX APPLICATIONS	ALL PBX APPLICATIONS		
	40	1	PROVIDES ONE MODEL 5310 PRINTER WITH 8K BUFFER AND TRACTOR FEED USED FOR ROP	NOT REQUIRED		DA
	41	1	PROVIDES ONE "44 ACOUSTIC TRIPLE INTERFACE" LINE PRINTER EQUIPPED WITH THE "99 CHARACTER ASCII BAND UP/LOW" FOR ROP (50/60 HZ)	ALWAYS REQUIRED FOR 50HZ APPLICATIONS		OPT
	43	1	PROVIDES ONE 60HZ 577 PRINTER FOR ROP APPLICATIONS	ALWAYS REQUIRED FOR 60HZ APPLICATIONS		STD
	8A	1	PROVIDES SPECIAL REGISTER (UN3C)	ALWAYS REQUIRED FOR VLMM	5E2(2) AND LATER (NOTES 221 & 222)	
	501	1	PROVIDES DMA CONTROLLER (UN46D) AND MAIN STORE UPDATE (UN133C)			
	502	1	PROVIDES ENHANCED DMU (MC3T001A1 & MC3T002A1)			
	503	1	PROVIDES ENHANCED 16K WRITABLE MICROSTORE (UN248)			
	506	1	PROVIDES ENLARGED CACHE MEMORY (UN616 & UN617)			
	507	1	PROVIDES MEMORY CONTROLLER (UN618) FOR USE WITH 2MB MAIN STORE MEMORY (TN56/TN56B) OR 4MB MAINSTORE MEMORY (TN2012)	REQUIRED IN APPLICATIONS UTILIZING >32MB OF MAIN-STORE MEMORY AND CAN BE USED IN APPLICATIONS UTILIZING >16MB OF MAIN-STORE MEMORY. PROVIDE PER JOB ENGINEERING REQUIREMENTS	5E4(2) AND LATER (NOTES 221 & 222)	
	508	1	PROVIDES FIRST 4MB INCREMENT OF MAINSTORE MEMORY (TN2012)	REQUIRED IN APPLICATIONS UTILIZING >32MB OF MAIN-STORE MEMORY. PROVIDE PER JOB ENGINEERING REQUIREMENTS (NOTE 220)		
	509	1	PROVIDES ADDITIONAL INCREMENTS OF 4MB MAINSTORE MEMORY (TN2012)			
	510	1	PROVIDES VLMM CORE PACKS (UN611, UN612, MC3T003A1)	ALWAYS REQUIRED FOR VLMM	5E5 AND LATER (SEE NOTE 222)	
	511	1	PROVIDES VLMM DUAL UTILITY CIRCUIT PACKS (UN615)			

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	J4C176B-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
ALL TAPE/DISK CABINETS	33*	1	LABELS FOR 340MB DISK DRIVES	RECOMMENDED FOR ALL 340MB DISK APPLICATIONS	5E2(1)	
PERIPHERAL CONTROLLER	100*	1	PROVIDES ONE SIMPLEX UN33B SCSD CIRCUIT PACK	SEE NOTES 208 THRU 210 FOR PERIPHERAL CONTROLLER REQUIREMENTS		
	101*	1	PROVIDES ONE SIMPLEX TN74B TTY AND/OR ROP PERIPHERAL CONTROLLER			
	102*	1	PROVIDES ONE SIMPLEX TN75B SYNCHRONOUS LINK PERIPHERAL CONTROLLER			
	104*	1	PROVIDES ONE HIGH SPEED TAPE PERIPHERAL CONTROLLER UN52			
	105*	1	PROVIDES ON BX.25 HIGH SPEED 56KBPS DATA LINK PERIPHERAL CONTROLLER TN82		5E2(2) AND LATER	
	106*	1	PROVIDES TAPE DRIVE INTERFACE PERIPHERAL CONTROLLER FOR USE WITH 6250/1600 DPI TAPE DRIVE (L222 OR L223 OR BOTH)	ONE REQUIRED FOR FAST TAPE BACKUP CAPABILITY. PROVIDE ONE L106 FOR EACH 6250/1600 BPI TAPE DRIVE OPERATING AT 6250 BPI OPTION AND INDEPENDENT BASIS	5E2(1) AND LATER	
TAPE/DISK CABINET 0 T/DC 0	200	1	PROVIDES TAPE AND DISK CABINET E/W 2 340MB DISK DRIVES (00 & 01)	ALWAYS REQUIRED	5E2(1)	
	222	1	PROVIDES ONE 6250/1600 BPI TAPE DRIVES			
	224	1	PROVIDES 50HZ 6250 BPI TAPE UNIT IN FIRST TAPE DISK CABINET	REQUIRED IN EXPORT APPLICATIONS	ALL EXPORT	
	226	1	PROVIDES THE 60HZ 6250 BPI KEYSTONE III TAPE UNIT E/W THE ENHANCED BUFFERED BOARD IN THE FIRST TAPE DISK CABINET	PROVIDE PER JOB ENGINEERED REQUIREMENTS	5E5 AND LATER	
	228	1	PROVIDES THE 50HZ 6250 BPI KEYSTONE III TAPE UNIT E/W THE ENHANCED BUFFERED BOARD IN THE FIRST TAPE DISK CABINET		5EB4 AND LATER	
	250*	1	PROVIDES 3RD 340MB DISK DRIVE (02)	PROVIDE ADDITIONAL DISK DRIVES PER JOB ENGINEERED REQUIREMENTS (NOTES 214 & 215)		
	251*	1	PROVIDES 4TH 340MB DISK DRIVE (03). (NOTE 211)			
TAPE/DISK CABINET 1 T/DC 1	201	1	PROVIDES FIRST GROWTH TAPE DISK CABINET			
	210	1	PROVIDES POWER DISTRIBUTION UNIT FOR UP TO 8 DISK DRIVES (USE WHEN 2ND TAPE DRIVE WILL NOT EQUIPPED)			
	211	1	PROVIDES POWER DISTRIBUTION UNIT FOR UP TO 4 DISK DRIVES			
	223	1	PROVIDES A 6250/1600 BPI TAPE UNIT IN SECOND TAPE DISK CABINET			
	225	1	PROVIDES 50HZ 6250 BPI TAPE UNIT IN SECOND TAPE DISK CABINET	PROVIDE PER JOB ENGINEERED EXPORT APPLICATIONS	ALL EXPORT	
	227	1	PROVIDES THE 60HZ 6250 BPI KEYSTONE III TAPE UNIT E/W THE ENHANCED BUFFERED BOARD IN THE SECOND TAPE DISK CABINET	PROVIDE PER JOB ENGINEERED REQUIREMENTS	5E5 AND LATER	
	229	1	PROVIDES THE 50HZ 6250 BPI KEYSTONE III TAPE UNIT E/W THE ENHANCED BUFFERED BOARD IN THE SECOND TAPE DISK CABINET		5EB4 AND LATER	

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

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SHEET: D4

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	J4C176B-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
TAPE/DISK CABINET 1 T/DC 1	252	1	PROVIDES A DISK UNIT (ONE REQUIRED PER 2 DRIVES) AND 5TH DISK DRIVE (04)	PROVIDE ADDITIONAL DISK DRIVES PER IOB ENGINEERED REQUIREMENTS (NOTES 214 & 215)	5E2(1)	STD
	253	1	PROVIDES A DISK UNIT AND 6TH DISK DRIVE (05)			
	254	1	PROVIDES 7TH DISK DRIVE (06)			
	255	1	PROVIDES 8TH DISK DRIVE (07)			
	256	1	PROVIDES A DISK UNIT AND 9TH DISK DRIVE (08) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE			
	258	1	PROVIDES A DISK UNIT AND 10TH DISK DRIVE (09) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE			
	260	1	PROVIDES 11TH DISK DRIVE (10) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE			
	262	1	PROVIDES 12TH DISK DRIVE (11) IF 2ND TAPE/DISK CABINET IS NOT EQUIPPED FOR 2ND TAPE DRIVE			
TAPE/DISK CABINET 2 T/DC 2	202	1	PROVIDES SECOND GROWTH TAPE/DISK CABINET			
	210	1	PROVIDES POWER DISTRIBUTION FOR UP TO 8 DISK DRIVES (USE IF 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET AND A REQUIREMENT OF >12 DISK DRIVES IS ANTICIPATED OR EXISTS)			
	211	1	PROVIDES POWER DISTRIBUTION FOR UP TO 4 DISK DRIVES (USE IF 2ND TAPE DRIVE WAS PROVIDED IN 2ND TAPE/DISK CABINET AND A REQUIREMENTS OF 9 THRU 12 DISK DRIVES IS ANTICIPATED OR EXISTS OR A SECOND TAPE DRIVE WAS NOT PROVIDED IN SECOND TAPE/DISK CABINET AND A REQUIREMENT OF 12 THRU 16 DISK DRIVES IS ANTICIPATED OR EXISTS)			
	257	1	PROVIDES ONE DISK UNIT AND 9TH DISK DRIVE (08) IF A 2ND TAPE DRIVE WAS PROVIDED IN SECOND TAPE/DISK CABINET			
	259	1	PROVIDES ONE DISK UNIT AND 10TH DISK DRIVE (09) IF A 2ND TAPE DRIVE WAS PROVIDED IN SECOND TAPE/DISK CABINET			
	261	1	PROVIDES 11TH DISK DRIVE (10) IF A SECOND TAPE DRIVE WAS PROVIDED IN SECOND TAPE/DISK CABINET			
	263	1	PROVIDES 12TH DISK DRIVE (11) ID A SECOND TAPE DRIVE WAS PROVIDED IN SECOND TAPE/DISK CABINET			
	264	1	PROVIDES DISK UNIT AND 12TH DISK DRIVE (12) IF LIST 210 IS PROVIDED IN THIRD TAPE/DISK CABINET			
	265	1	PROVIDES DISK UNIT AND 12TH DISK DRIVE (12) IF LIST 210 IS PROVIDED IN SECOND TAPE/DISK CABINET			
	266	1	PROVIDES DISK UNIT AND 14TH DISK DRIVE (13) IF LIST 211 IS PROVIDED IN THIRD TAPE/DISK CABINET			
	267	1	PROVIDES DISK UNIT AND 14TH DISK DRIVE (13) IF LIST 211 IS PROVIDED IN SECOND TAPE/DISK CABINET			
	268	1	PROVIDES 15TH DISK DRIVE IF LIST 264 IS EQUIPPED			
	269	1	PROVIDES 15TH DISK DRIVE IF LIST 265 IS EQUIPPED			
	270	1	PROVIDES 16TH DISK DRIVE IF LIST 266 IS EQUIPPED			
	271	1	PROVIDES 16TH DISK DRIVE IF LIST 267 IS EQUIPPED			
ALL TAPE/DISK CABINETS	230	1	PROVIDES T/DC CABINETS SUITABLE FOR APT APPLICATIONS	ALL APT APPLICATIONS	ALL	
	231	1	PROVIDES T/DC CABINETS SUITABLE FOR CENTRAL OFFICE APPLICATIONS	ALL 5ESS CENTRAL OFFICE APPLICATIONS		
	232	1	PROVIDES T/DC CABINETS SUITABLE FOR PBX APPLICATIONS	ALL PBX APPLICATIONS		

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	J4C176B-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
TAPE/DISK CABINETS 0-2	272	1	PROVIDES COST REDUCED DISK POWER INVERTERS FOR THE INITIAL TWO 240MB DISK DRIVE	AFTER DATE OPTION APPLICABLE TO ALL NEW APPLICATIONS	ALL	STD
	273	1	PROVIDES COST REDUCED DISK POWER INVERTER FOR GROWTH DISK (3RD THRU 16TH)			
	300B	1	FIELD RETROFIT KIT FOR A REPLACEMENT DISK DRIVE	SEE ED-5D133-01 FOR SPARING RECOMMENDATIONS	5E2(1)	
	301B	1	FIELD RETROFIT KIT FOR A REPLACEMENT POWER SUPPLY			
	302B	1	FIELD RETROFIT KIT FOR A REPLACEMENT POWER SWITCH			
TAPE/DISK CABINETS 3-6	201	1	PROVIDES T/DC SUITABLE FOR MOUNTING UP TO TWO 50HZ TAPE DRIVES (SEE NOTE 217)	EXPORT APPLICATIONS REQUIRING MORE THAN TWO TAPE DRIVES (SEE NOTE 217 FOR POPULATING SEQUENCE)	5EE2 AND LATER EXPORT GENERICS	
	203	1	PROVIDES A 50HZ TAPE UNIT IN THE TOP POSITION OF T/DC 3 OR 4 OR 5 OR 6 (SEE NOTE 217)			
	204	1	PROVIDES A 50HZ TAPE UNIT IN THE BOTTOM POSITION OF T/DC 3 OR 4 OR 5 OR 6 (SEE NOTE 217)			
BASIC PROCESSOR	G	1	PROVIDES ENHANCED LIGHTNING IMMUNITY REQUIRED FOR 5ESS SWITCHING SYSTEMS		5E2(2) AND LATER	
	BR	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR STORE ADDRESS TRANSLATOR (UN45D)	AFTER DATE OPTION FOR 5E2(2) OR LATER GENERICS		DA
	BS	1	PROVIDES CIRCUIT PACKS TO ARRANGE FOR CACHE CONTROL *UN10D) AND CACHE MEMORY (UN11D)			
PERIPHERAL INTERFACE CABINET (PIC)	401	1	PROVIDES A 30" DEEP PERIPHERAL INTERFACE CABINET (PIC) EQUIPPED WITH AN IOP BASIC UNIT (IOP 2) ARRANGED FOR 8 PERIPHERAL CONTROLLERS	APPLICATIONS UTILIZING PERIPHERAL CONTROLLERS ASSIGNED IN IOP 2 OR 3 (SEE NOTES 208 THRU 210, SEE NOTE 211 FOR CABLING REQUIREMENTS). TO BE USED IN APPLICATIONS WHERE THE PIC WILL BE LOCATED ADJACENT TO A 30" DEEP CABINET	5E2(2)	
	402	1	PROVIDES FIRST IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 2 GROWTH)			
	403	1	PROVIDES SECOND IOP BASIC UNIT IN PIC ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3)			
	404	1	PROVIDES SECOND IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3)			
	430	1	PROVIDES PIC CABINET (30" DEEP) SUITABLE FOR APT APPLICATIONS	ALL APT APPLICATIONS REQUIRING A 30" DEEP PIC	ALL	
	431	1	PROVIDES PIC CABINET (30" DEEP) SUITABLE FOR CENTRAL OFFICE APPLICATIONS	ALL 5ESS CENTRAL OFFICE APPLICATIONS REQUIRING A 30" DEEP PIC		
	432	1	PROVIDES PIC CABINET (30" DEEP) SUITABLE FOR PBX APPLICATIONS	ALL PBX APPLICATIONS REQUIRING A 30" DEEP PIC		
	451	1	PROVIDES A 21" DEEP PERIPHERAL INTERFACE CABINET (PIC) EQUIPPED WITH AN IOP BASIC UNIT (IOP 2) ARRANGED FOR 8 PERIPHERAL CONTROLLERS	APPLICATIONS UTILIZING PERIPHERAL CONTROLLERS ASSIGNED IN IOP 2 OR 3 WHICH ARE LOCATED ADJACENT TO A 21" DEEP CABINET (SEE NOTES 208 THRU 210. SEE NOTE 211 FOR CABLING REQUIREMENTS)	5E2(2) AND LATER	
	452	1	PROVIDES FIRST IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 2 GROWTH)			
	453	1	PROVIDES SECOND IOP BASIC UNIT IN PIC ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3)			
	454	1	PROVIDES SECOND IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3 GROWTH)			
	480	1	PROVIDES A PIC (21" DEEP) SUITABLE FOR APT APPLICATIONS	ALL APT APPLICATIONS REQUIRING A 21" DEEP PIC	ALL	
	481	1	PROVIDES A PIC (21" DEEP) SUITABLE FOR FOR CENTRAL OFFICE APPLICATIONS	ALL 5ESS CENTRAL OFFICE APPLICATIONS REQUIRING A 21" DEEP PIC		
	482	1	PROVIDES A PIC (21" DEEP) SUITABLE FOR FOR PBX APPLICATIONS	ALL PBX APPLICATIONS REQUIRING A 21" DEEP PIC		

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 33M

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EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	ED4C473-33 GROUP	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	14B	1	UN10D, UN11D CIRCUIT PACKS FOR FIELD CHANGEOUT	REQUIRED FOR ALL CNI APPLICATIONS, SEE ED4A473-35 FOR REPLACEMENTS	5E2(2) AND LATER	DA
	15B	1	UN45D CIRCUIT PACK FOR FIELD CHANGEOUT			

3B20D MODEL 3 PROCESSOR FOR 5ESS

FUNCTION	ED4C473-35 GROUP	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	12B	1	UN10D, UN11D CIRCUIT PACKS FOR FIELD CHANGEOUT	REQUIRED FOR ALL CNI APPLICATIONS		DA
	13B	1	UN10E CIRCUIT PACKS FOR FIELD CHANGEOUT	REQUIRED IN 5E2(2) OR LATER GENERICS EQUIPPED WITH CNI AND EQUIPPED WITH TOLL OR TANDEM ACCESS HARDWARE		STD
	29B	1	UN45E CIRCUIT PACKS FOR FIELD CHANGEOUT			
	14B	1	UN11D CIRCUIT PACKS FOR FIELD CHANGEOUT	AFTER DATE OPTION REQUIRED FOR 5E2(2) AND LATER		

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR E/W SCSI DISK FOR 5ESS

FUNCTION	J1C176C-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	1	1	PROVIDES BASIC 3B20D MODEL 3 PROCESSOR FOR THE 5ESS EQUIPPED WITH BASIC IOP AND MAINSTORE MEMORY. ONE INCREMENT OF 2MB DUPLICATED MAINSTORE MEMORY (MSM) STORE ADDRESS TRANSLATOR (SAT) 4K PROM MICROCODE, 16K WRITABLE MICROCODE, MAINTENANCE CHANNEL (MCH), SCSI DISK FILE CONTROLLER (SDFC), DIRECT MEMORY ACCESS 0 (DMA0) E/W COMMUNITIES 0 & 1 [COMMUNITY 0 E/W PC00 (MTTY), PC02 (SCSD), PC03 (RESERVED FOR TU)] PORT SWITCH UNIT COMMUNITIES 0 & 1 [COMMUNITY 0 E/W TWO PORT SWITCH CIRCUIT PACKS (TF4) IN BAY 0 ONLY]	ALWAYS REQUIRED	5E6 OR LATER	STD
	2	1	PROVIDES DUPLICATED MAINSTORE AND IOP GROWTH UNITS (COMMUNITIES 2 & 3) IN BAYS 0 & 1			
	3	2	PROVIDES ONE INCREMENT OF 2MB MAIN STORE MEMORY (TN56) DUPLICATED FOR BAYS 0 & 1 (NOTE 220)	PROVIDE PER JOB ENGINEERED REQUIREMENTS		
	4	1	PROVIDES THE FIRST INCREMENT OF 4MB MAINSTORE MEMORY (TN2012) IN PLACE OF THE FIRST INCREMENT OF 2MB MAINSTORE MEMORY (TN56) PROVIDES (NOTE 220)			
	5	2	PROVIDES ONE INCREMENT OF 4MB MAINSTORE MEMORY (TN2012) DUPLICATED FOR BAYS 0 & 1 (NOTE 220)			
	6	2	PROVIDES 5 VOLT POWER SUPPLY (495FA) REQUIRED FOR THE IOP GROWTH UNITS WHEN E/W MEMORY PER 8TH LIST 3 (TN56) OR 8TH LIST 5 (TH2012) DUPLICATED FOR BAYS 0 & 1			
	7	2	UN616 PROVIDES ENLARGED CACHE MEMORY	ALWAYS REQUIRED		
		1	UN617			
	8	2	TN9 PROVIDES POWER REQUIRED FOR IOP COMMUNITY 2, DUPLICATED FOR BAYS 0 & 1	PROVIDED PER JOB ENGINEERED REQUIREMENTS		
		2	495A			
	9	2	TN9 PROVIDES POWER REQUIRED FOR IOP COMMUNITY 3, DUPLICATED FOR BAYS 0 & 1			
	10	1	KS23554,L5 PROVIDES MAINTENANCE COLOR VIDEO TERMINAL (MTTY)	ALWAYS REQUIRED		
	11	1	KS23554,L6 PROVIDES 50HZ MAINTENANCE COLOR VIDEO TERMINAL (MTTY)	PROVIDE PER JOB ENGINEERED REQUIREMENTS		
	12	1	PROVIDES 60HZ 5310 PRINTER E/W BK BUFFER AND TRACTOR PULL-THRU FEEDER (ROP)	ALWAYS REQUIRED		MD
	13	1	PROVIDES 50HZ 53P105BAE PRINTER (ROP)	PROVIDE PER JOB ENGINEERED REQUIREMENTS		
	14	1	PROVIDES A FIBER OPTIC INTERFACE AND 250 FEET OF FIBER OPTIC LINK BETWEEN THE PORT SWITCH AND THE ROP/MTTY			
	15	2	PROVIDES DUAL SERIAL CHANNEL 12 DUPLICATED IN BAYS 0 & 1 UN9B	REQUIRED IN ALL APPLICATIONS WITH GREATER THAN 56 SM'S TOTAL AND ALL CCS TOLL APPLICATIONS (SEE NOTE 213 FOR APPLICATION SPECIFIC WIRING REQUIREMENTS)		STD

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

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EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR E/W SCSI DISK FOR 5ESS

FUNCTION	J1C176C-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
BASIC PROCESSOR	16	2	PROVIDES DUAL UTILITY CIRCUIT OPTION (UN615), DUPLICATED FOR BAYS 0 & 1	PROVIDE PER JOB ENGINEERED REQUIREMENTS	5E6 OR LATER	STD
	17	2	PROVIDES DMAI OPTION (UN46D), DUPLICATED FOR BAYS 0 & 1			
	18	2	PROVIDES ONE I/O DUAL SERIAL CHANNEL CIRCUIT (UN9B) OPTION, CHANNEL 16, DUPLICATED FOR BAYS 0 & 1			
	19	2	PROVIDES ON I/O DUAL SERIAL CHANNEL CIRCUIT (UN9B) OPTION, CHANNEL 17, DUPLICATED FOR BAYS 0 & 1			
	20	1	PROVIDES ADDITIONAL 60HZ COLOR VIDEO TERMINAL			
	21	1	PROVIDES ADDITIONAL 50HZ COLOR VIDEO TERMINAL			
	22	1	PROVIDES 444 PRINTER FOR ROP APPLICATIONS (50HZ AND 60HZ)	ALWAYS REQUIRED FOR 50HZ APPLICATIONS (USE IN PLACE OF LIST 13)		OPT
	27	1	PROVIDES ONE 60HZ 577 PRINTER FOR ROP APPLICATIONS	ALWAYS REQUIRED FOR 60HZ APPLICATIONS (USE IN PLACE OF LIST 12)		STD
	30	1	PROVIDES CABINET FRAME WORK FOR APT APPLICATIONS	REQUIRED FOR APT APPLICATIONS		
	32	1	PROVIDES BEZEL AND DOOR ASSEMBLIES FOR (PBX) APPLICATIONS	REQUIRED FOR PBX APPLICATIONS		
PERIPHERAL CONTROLLERS	100	1	PROVIDES ONE SIMPLEX SCANNER SIGNAL DISTRIBUTOR PERIPHERAL CONTROLLER CIRCUIT PACK (UN33B)	SEE NOTES 208 THRU 210 FOR PERIPHERAL CONTROLLER REQUIREMENTS		
	101	1	PROVIDES ONE SIMPLEX TTY AND/OR ROP PERIPHERAL CONTROLLER CIRCIT PACK (TN74B)			
	102	1	PROVIDES ONE SIMPLEX SYNCHRONOUS LINK PERIPHERAL CONTROLLER CIRCUIT PACK (TN75C)			
	103	1	PROVIDES ONE SIMPLEX BX.25 HIGH SPEED 56KBPS DATA LINK PERIPHERAL CONTROLLER CIRCUIT PACK (TN82)			
	104	1	PROVIDES ONE 6250/1600 BPI HIGH SPEED TAPE PERIPHERAL CONTROLLER CIRCUIT PACK (UN145)	ONE REQUIRED FOR FAST TAPE BACKUP CAPABILITY PROVIDE ONE L104 FOR EACH 6250/1600 BPI TAPE DRIVE OPERATING AT THE 6250 BPI OPTION AND INDEPENDENT BASIS		
SCSI DISK CABINET	200	1	PROVIDES ONE SCSI DISK CABINET (SDC 0) ARRANGED FOR ONE TAPE UNIT AND UP TO 16.322MB SCSI DISK UNITS (0-15) EQUIPPED WITH 322MB SCSI DISK UNITS 0 & 1	ALWAYS REQUIRED		
	202	1	PROVIDES SCSI DISK GROWTH CABINET (SDC 1) ARRANGED FOR DFCS (2 & 3) AND UP TO 16.322MB SCSI DISK UNITS (16-31) EQUIPPED WITH DFC 2 AND 322MB SCSI DISK UNIT 16	PROVIDE PER JOB ENGINEERED REQUIREMENTS		
	203	1	PROVIDES DFC 3 AND 322MB SCSI DISK UNIT 17	ALWAYS REQUIRED IN ADDITION TO LIST 202		
	255	1	PROVIDES ONE 600MB DISK UNIT WHICH CAN BE EQUIPPED AS SCSI DISK UNIT 2 THROUGH 31	PROVIDE PER JOB ENGINEERED REQUIREMENTS (NOTES 218 & 219)		
	276	1	PROVIDES CABLING REQUIRED FOR DFC 2 WHEN THE PIC IS NOT LOCATED ADJACENT TO PCCA0			
	277	1	PROVIDES CABLING REQUIRED FOR DFC 3 WHEN THE PIC IS NOT LOCATED ADJACENT TO PCCA0			
	280	1	PROVIDES FRAMEWORK SUITABLE FOR NSI APPLICATIONS	PROVIDE IN ALL NSI APPLICATIONS		

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR E/W SCSI DISK FOR 5ESS

FUNCTION	J1C176C-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
SCSI DISK CABINET (SDC 0)	220	1	PROVIDES 322MB SCSI DISK UNIT 2	PROVIDE PER JOB ENGINEERED REQUIREMENTS (SEE NOTE 218)	5E6 OR LATER	STD
	221	1	PROVIDES 322MB SCSI DISK UNIT 3			
	222	1	PROVIDES 322MB SCSI DISK UNIT 4			
	223	1	PROVIDES 322MB SCSI DISK UNIT 5			
	224	1	PROVIDES 322MB SCSI DISK UNIT 6			
	225	1	PROVIDES 322MB SCSI DISK UNIT 7			
	226	1	PROVIDES 322MB SCSI DISK UNIT 8			
	227	1	PROVIDES 322MB SCSI DISK UNIT 9			
	228	1	PROVIDES 322MB SCSI DISK UNIT 10			
	229	1	PROVIDES 322MB SCSI DISK UNIT 11			
	230	1	PROVIDES 322MB SCSI DISK UNIT 14	PROVIDE PER JOB ENGINEERED REQUIREMENTS (SEE NOTE 218 & 219)		
	231	1	PROVIDES 322MB SCSI DISK UNIT 15			
	232	1	PROVIDES 322MB SCSI DISK UNIT 12	PROVIDE PER JOB ENGINEERED REQUIREMENTS (SEE NOTE 218 & 219)		
	233	1	PROVIDES 322MB SCSI DISK UNIT 13			
	234	1	PROVIDES TWO 600MB SCSI DISK UNITS (0 & 1) IN SDC 0	REQUIRED IN 5E8 AND LATER SOFTWARE RELEASES. PROVIDE PER ENGINEERING REQUIREMENTS IN 5E6 OR LATER SOFTWARE RELEASES (SEE NOTE 218)		
SCSI DISK CABINET (SDC 1)	240	1	PROVIDES 322MB SCSI DISK UNIT 18	PROVIDE PER JOB ENGINEERED REQUIREMENTS (SEE NOTE 218)		
	241	1	PROVIDES 322MB SCSI DISK UNIT 19			
	242	1	PROVIDES 322MB SCSI DISK UNIT 20			
	243	1	PROVIDES 322MB SCSI DISK UNIT 21			
	244	1	PROVIDES 322MB SCSI DISK UNIT 22			
	245	1	PROVIDES 322MB SCSI DISK UNIT 23			
	246	1	PROVIDES 322MB SCSI DISK UNIT 24			
	247	1	PROVIDES 322MB SCSI DISK UNIT 25			
	248	1	PROVIDES 322MB SCSI DISK UNIT 26			
	249	1	PROVIDES 322MB SCSI DISK UNIT 27			
	250	1	PROVIDES 322MB SCSI DISK UNIT 28			
	251	1	PROVIDES 322MB SCSI DISK UNIT 29			
	252	1	PROVIDES 322MB SCSI DISK UNIT 30			
	253	1	PROVIDES 322MB SCSI DISK UNIT 31			
	260	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 16 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0	PROVIDED PER JOB ENGINEERING REQUIREMENTS		
	261	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 17 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	262	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 18 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	263	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 19 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
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EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR E/W SCSI DISK FOR 5ESS

FUNCTION	J1C176C-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
SCSI DISK CABINET (SDC 1)	264	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 20 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0	PROVIDE PER IOB ENGINEERING REQUIREMENTS	5E6 OR LATER	STD
	265	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 21 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	266	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 22 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	267	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 23 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	268	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 24 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	269	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 25 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	270	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 26 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	271	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 27 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	272	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 28 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	273	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 29 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	274	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 30 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
	275	1	PROVIDES CABLING REQUIRED FOR SCSI DISK UNIT 31 WHEN SDC 1 IS NOT LOCATED ADJACENT TO PIC 0			
SCSI DISK CABINET & TAPE UNIT CABINET	205	1	PROVIDES CABINET FRAMEWORK REQUIRED IN ADDITION TO LIST 200, 201 & 202 FOR APT APPLICATIONS	REQUIRED FOR APT APPLICATIONS		DA
	206	1	PROVIDES BEZEL AND DOOR ASSEMBLIES IN ADDITION TO LIST 200, 201 & 202 FOR PBX APPLICATIONS	REQUIRED FOR PBX APPLICATIONS		
	210	1	PROVIDES ONE 60HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH UNBUFFERED STANDARD INTERFACE	PROVIDE PER IOB ENGINEERED REQUIREMENTS		
	211	1	PROVIDES ONE 50HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH UNBUFFERED STANDARD INTERFACE			
	212	1	PROVIDES ONE 60HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH ENHANCED BUFFERED INTERFACE			
	213	1	PROVIDES ONE 50HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH ENHANCED BUFFERED INTERFACE			
	281	1	PROVIDES BEZEL COVER ASSEMBLIES AND CENTER OPENING DOORS TO BE USED ON THE SDC AND TUC IN CENTRAL OFFICE APPLICATIONS	ALWAYS REQUIRED		STD
TAPE UNIT CABINET	201	1	PROVIDES ONE TAPE UNIT CABINET ARRANGED FOR ONE OR TWO TAPE UNIT	PROVIDE PER IOB ENGINEERED REQUIREMENTS		
	214	1	PROVIDES A SECOND 60HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH UNBUFFERED STANDARD INTERFACE			
	215	1	PROVIDES A SECOND 50HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH UNBUFFERED STANDARD INTERFACE			
	216	1	PROVIDES A SECOND 60HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH ENHANCED BUFFERED INTERFACE			
	217	1	PROVIDES A SECOND 50HZ, 6250 BPI 25/100 IPS KEYSTONE TAPE UNIT EQUIPPED WITH ENHANCED BUFFERED INTERFACE			

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B20D MODEL 3 PROCESSOR E/W SCSI DISK FOR 5ESS

FUNCTION	J1C176C-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
PERIPHERAL INTERFACE CABINET (PIC)	401	1	PROVIDES PERIPHERAL INTERFACE CABINET (PIC) EQUIPPED WITH AN IOP BASIC UNIT (IOP 2) ARRANGED FOR 8 PERIPHERAL CONTROLLERS	APPLICATIONS UTILIZING PERIPHERAL CONTROLLERS IN IOP 2 OR 3 (SEE NOTE 211)	5E6 OR LATER	STD
	402	1	PROVIDES FIRST IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 2 GROWTH)			
	403	1	PROVIDES SECOND IOP BASIC UNIT IN PIC ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3)			
	404	1	PROVIDES SECOND IOP GROWTH UNIT ARRANGED FOR 8 PERIPHERAL CONTROLLERS (IOP 3 GROWTH)			
	405	1	PROVIDES HARDWARE REQUIRED WHEN THE SECOND IOP BASIC UNIT (LIST 403) IS EQUIPPED AND THE FIRST IOP GROWTH UNIT (LIST 402) IS NOT EQUIPPED	APPLICATIONS UTILIZING PERIPHERAL CONTROLLERS IN IOP 2 OR 3		
	406	1	CABLING REQUIRED FOR IOP 2 WHEN PIC IS NOT CO-LOCATED TO PROCESSOR BAY 0			
	407	1	CABLING REQUIRED FOR IOP 3 WHEN PIC IS NOT CO-LOCATED TO PROCESSOR BAY 0			
	430	1	PROVIDES FRAMEWORK REQUIRED FOR APT APPLICATIONS	REQUIRED FOR APT APPLICATIONS REQUIRING A PIC		DA
	432	1	PROVIDES FRAMEWORK REQUIRED FOR PBX APPLICATIONS	REQUIRED FOR PBX APPLICATIONS REQUIRING A PIC		STD
	435	1	PROVIDES EQUIPMENT REQUIRED TO PROVIDE EXTENDED INPUT VOLTAGE FOR THE IOP 2 EQUIPPED IN THE PIC IN ORDER TO MEET ETSI STANDARDS	PROVIDE IN APPLICATIONS WHICH MUST MEET ETSI STANDARDS	——	
	436	1	PROVIDES EQUIPMENT REQUIRED TO PROVIDE EXTENDED INPUT VOLTAGE FOR THE IOP 3 EQUIPPED IN THE PIC IN ORDER TO MEET ETSI STANDARDS	PROVIDE IN APPLICATIONS WHICH MUST MEET ETSI STANDARDS	——	
	480	1	PROVIDES FRAMEWORK FOR THE PICK SUITABLE FOR NSI APPLICATIONS	PROVIDE IN ALL NSI APPLICATIONS	——	
	481	1	PROVIDES BEZEL COVER ASSEMBLIES AND CENTER OPENING DOORS TO BE USED ON THE PIC IN CENTRAL OFFICE APPLICATIONS	ALWAYS REQUIRED	5E6 OR LATER	

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2

ISSUE: 33M

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SHEET: D8

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B21D PROCESSOR

FUNCTION	J3T061A-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
PROCESSOR CONTROL CABINET	1	1	PROVIDES BASIC 3B21D PROCESSOR ARRANGED FOR: 40 TO 128MB OF MAIN MEMORY, 3 DISK FILE CONTROLLERS (DFC 0-2), DIRECT MEMORY ACCESS 0 & 1 (DMA 0 & 1),2 I/O PROCESSORS (IOPO & 1)-EACH WITH FOUR PC COMMUNITIES (COMM 0-3); COMM 0-2 ARRANGED FOR UP TO 4 PERIPHERAL CONTROL (PC) CIRCUIT PACKS AND COMM 3 ARRANGED FOR 3 (PC) CIRCUIT PACKS OR 1 (RC)CIRCUIT PACK AND 1 SCSI PERIPHERAL UNIT; 1 UTILITY CIRCUIT (UC). EQUIPPED WITH DIRECT MEMORY ACCESS 0 (DMAO) TWO DISK FILE CONTROLLERS (DFCO & 1) DISKS 0&1, ONE PORT SWITCH AND SCANNER DISTRIBUTOR BUFFER, IOP & 1 COMMUNITY 0 E/W PC00 (MTTY)AND PC02 (SCSD).	ALWAYS REQUIRED	5E 9.1 OR 5EE6 AND LATER	STD
	2	1	PROVIDES GROWTH UNIT ARRANGED FOR IOP 2 WITH FOUR COMMUNITIES OR A MAXIMUM OF FIVE SCSI PERIPHERAL UNITS (SPU) AND TWO COMMUNITIES. ALL COMMUNITIES PROVIDE FOUR PC SLOTS	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	3	1	PROVIDES GROWTH UNIT ARRANGED FOR IOP 3 WITH FOUR COMMUNITIES OR A MAXIMUM OF FIVE SCSI PERIPHERAL UNITS (SPU) AND TWO COMMUNITIES. ALL COMMUNITIES PROVIDE FOUR PC SLOTS			
	4	1	PROVIDES CABINET DOORS	ALWAYS REQUIRED		DA
	5	2	PROVIDES DIRECT MEMORY ACCESS (DMA 1) DUPLICATED	PROVIDE PER JOB ENGINEERING REQUIREMENTS	5E 9.1 OR 5EE6 AND LATER	STD
	6	2	PROVIDES UTILITY CIRCUIT (UC), DUPLICATED			
	9	2	PROVIDES 5V POWER REQUIRED FOR DMA 1			
	10	2	PROVIDES 5V POWER REQUIRED FOR IOP 0 & 1 COMMUNITIES 2 & 3			
	11	1	PROVIDES A 60HZ MAINTENANCE COLOR VIDEO TERMINAL FOR THE MCC	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 12 (50HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED		DA
	12	1	PROVIDES A 50HZ MAINTENANCE COLOR VIDEO TERMINAL FOR THE MCC	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 11 (60HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED		
	13	1	PROVIDES AN ADDITIONAL 60HZ MAINTENANCE COLOR VIDEO TERMINAL WITH 100 FT OF CABLE	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	14	1	PROVIDES AN ADDITIONAL 50HZ MAINTENANCE COLOR VIDEO TERMINAL WITH 100 FT OF CABLE			
	15	1	PROVIDES A 60 HZ ROP PRINTER	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 16 (50HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED	5E 9.1 OR 5EE6 AND LATER	STD
	16	1	PROVIDES A 50 HZ ROP PRINTER	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 15 (60HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED		
	17	1	EQUIPMENT REQUIRED IN ORDER TO PROVIDE COMMUNITIES 0 & 1 (SLOTS 0-3) IN IOP 2	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	18	1	PROVIDES POWER IN IOP 2 FOR COMMUNITIES 2 & 3 (SLOTS 0-3)			
	19	1	EQUIPMENT REQUIRED IN ORDER TO PROVIDE COMMUNITIES 0 & 1 (SLOTS 0-3) IN IOP 3			
	20	1	PROVIDES POWER IN IOP 3 FOR COMMUNITIES 2 & 3 (SLOTS 0-3)			

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B21D PROCESSOR

FUNCTION	J3T061A-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
PROCESSOR CONTROL CABINET	22	2	PROVIDES 40MB OF MAIN MEMORY (KLW40)	PROVIDE PER JOB ENGINEERING REQUIREMENTS	5E9.1 OR 5EE6 AND LATER	STD
	23	2	PROVIDES 48MB OF MAIN MEMORY (KLW48)			
	25	2	PROVIDE 64MB OF MAIN MEMORY (KLW64)	REQ'D		
	26	2	PROVIDE 128MB OF MAIN MEMORY (KLW128)			
	31	1	PHASE II GLOBAL 2000 CABINET			
	32	1	GLOBAL DOOR KIT (NON-EMC APPL)			
	33	1	GLOBAL DOOR KIT (EMC APPL)	PROVIDE PER JOB ENGINEERING REQUIREMENTS (SEE NOTE 211 TABLE 1B)		
	100	1	PROVIDES ONE SIGNAL DISTRIBUTOR PERIPHERAL CONTROLLER CIRCUIT PACK (UN33S)NOT DUPLICATED			
	101	1	PROVIDES ONE TTY AND/OR ROP PERIPHERAL CONTROLLER CIRCUIT PACK (TN748)NOT DUPLICATED			
	102	1	PROVIDES ONE SYCHRONOUS LINK PERIPHERAL CIRCUIT PACK(TN1839)FOR INTERNATIONAL APPLICATIONS NOT DUPLICATED		5EE6 OR LATER	
	103	1	PROVIDES ONE BX25 HIGH SPEED 56 KPS DATA LINK PERIPHERAL CONTROLLER CIRCUIT PACK (TN52B) NOT DUPLICATED		5E9.1 OR 5EE6 OR LATER	
	104	1	PROVIDES ONE SCSI TAPE UNIT CIRCUIT PACK (UN376)			DA
	105	1	PROVIDES ONE 1GB SCSI DISK UNIT CIRCUIT PACK (UN375)			
	106	1	PROVIDES ONE SYNCHRONOUS LINK PERIPHERAL CONTROLLER CIRCUIT PACK (TN75C) FOR US APPLICATIONS.	PROVIDE PER JOB ENGINEERING REQUIREMENTS	SE9(1) OR LATER	STD
	107	1	PROVIDES ONE 64K BIT / SEC INTERFACE CONTROLLER CIRCUIT PACK (TN1420) FOR INTERNATIONAL APPLICATIONS.		5EE6 OR LATER	
	180	1	PROVIDE A SYSTEM 12 (GLOBBALYST 515 AND R3) AIMS DEDICATED TERMINAL AND SOFTWARE		5E9.1 OR 5EE6 AND LATER	
	181	1	PROVIDE A SYSTEM 13 (GLOBALYST 525 AND R3) AIMS MULTIMEDIA TERMINAL AND SOFTWARE			
	182	1	PROVIDE A SYSTEM 14 (GLOBALYST 525 AND R3) AIMS MULTIMEDIA TERMINAL AND SOFTWARE			
PROCESSOR GROWTH CABINET	200	1	PROVIDES ONE CABINET ARRANGED FOR UP TO TWO NINE TRACK SCSI TAPE UNITS	PROVIDE PER JOB ENGINEERING REQUIREMENTS	SE9(1) OR LATER & 5EE6 OR LATER	
	201	1	PROVIDES ONE 60HZ 1600/6250 BPI, 125 IPS TAPE UNIT WITH SCSI INTERFACE	PROVIDE PER JOB ENGINEERING REQUIREMENTS MAXIMUM OF TWO PER PERIPHERAL GROWTH CABINET		
	202	1	PROVIDES ONE 50 HZ 1600/6250 BPI, 125 IPS TAPE UNIT WITH SCSI INTERFACE			

NOTES:

1. SEE EQUIPMENT NOTE: 224.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 35M

Lucent Technologies | SD-5D014-02 | SHEET: D9

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B21D PROCESSOR E/W ENHANCED IOP/DFC

FUNCTION	J3T061A-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
PROCESSOR CONTROL CABINET	1	1	PROVIDES BASIC 3B21D PROCESSOR ARRANGED FOR: 40 TO 128MB OF MAIN MEMORY, 3 DISK FILE CONTROLLERS (DFC 0-2), DIRECT MEMORY ACCESS 0 & 1 (DMA 0 & 1),2 I/O PROCESSORS (IOPO & 1)-EACH WITH FOUR PC COMMUNITIES (COMM 0-3); COMM 0-2 ARRANGED FOR UP TO 4 PERIPHERAL CONTROL (PC) CIRCUIT PACKS AND COMM 3 ARRANGED FOR 3 (PC) CIRCUIT PACKS OR 1 (RC)CIRCUIT PACK AND 1 SCSI PERIPHERAL UNIT; 1 UTILITY CIRCUIT (UC). EQUIPPED WITH DIRECT MEMORY ACCESS 0 (DMAO) TWO DISK FILE CONTROLLERS (DFCO & 1) DISKS 0&1, ONE PORT SWITCH AND SCANNER DISTRIBUTOR BUFFER, IOP & 1 COMMUNITY 0 E/W PC00 (MTTY)AND PC02 (SCSD).	ALWAYS REQUIRED	5E10 OR 5EE7.1 AND LATER	
	2	1	PROVIDES GROWTH UNIT ARRANGED FOR IOP 2 WITH FOUR COMMUNITIES OR A MAXIMUM OF FIVE SCSI PERIPHERAL UNITS (SPU) AND TWO COMMUNITIES. ALL COMMUNITIES PROVIDE FOUR PC SLOTS	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	3	1	PROVIDES GROWTH UNIT ARRANGED FOR IOP 3 WITH FOUR COMMUNITIES OR A MAXIMUM OF FIVE SCSI PERIPHERAL UNITS (SPU) AND TWO COMMUNITIES. ALL COMMUNITIES PROVIDE FOUR PC SLOTS			
	5	2	PROVIDES DIRECT MEMORY ACCESS (DMA 1) DUPLICATED	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	6	2	PROVIDES UTILITY CIRCUIT (UC), DUPLICATED			
	9	2	PROVIDES 5V POWER REQUIRED FOR DMA 1			
	10	2	PROVIDES 5V POWER REQUIRED FOR IOP 0 & 1 COMMUNITIES 2 & 3			
	15	1	PROVIDES A 60 HZ ROP PRINTER	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 16 (50HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED		
	16	1	PROVIDES A 50 HZ ROP PRINTER	PROVIDE PER JOB ENGINEERING REQUIREMENTS ALWAYS REQUIRED IF LIST 15 (60HZ MAINTENANCE COLOR VIDEO TERMINAL) IS NOT ORDERED		
	17	1	EQUIPMENT REQUIRED IN ORDER TO PROVIDE COMMUNITIES 0 & 1 (SLOTS 0-3) IN IOP 2	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	18	1	PROVIDES POWER IN IOP 2 FOR COMMUNITIES 2 & 3 (SLOTS 0-3)			
	19	1	EQUIPMENT REQUIRED IN ORDER TO PROVIDE COMMUNITIES 0 & 1 (SLOTS 0-3) IN IOP 3			
	20	1	PROVIDES POWER IN IOP 3 FOR COMMUNITIES 2 & 3 (SLOTS 0-3)			
	22	2	PROVIDES 40MB OF MAIN MEMORY (KLW40)			
	23	2	PROVIDES 48MB OF MAIN MEMORY (KLW48)			
	25	2	PROVIDE 64MB OF MAIN MEMORY (KLW64)			
	26	2	PROVIDE 128MB OF MAIN MEMORY (KLW128)			
	31	1	PHASE II GLOBAL 2000 CABINET	ALWAYS REQ'D		
	32	1	GLOBAL DOOR KIT (NON-EMC APPL)	PROVIDE PER JOB ENGINEERING REQUIREMENTS		
	33	1	GLOBAL DOOR KIT (EMC APPL)			
	36	1	PROVIDES SCSD & MTTY PERIPH CNTLR & CA	ALWAYS REQ'D	5E10 OR 5EE7.1 AND LATER	STD
	37	1	PROVIDE (2) UN5880 (DFC0 & DFC1)			
	39	1	PROVIDE 60HZ MAINT COLOR TERM (MTTY)	PROVIDE PER JOB ENGINEERING REQUIREMENTS		

EQUIPMENT NOTES (CONT):

207. TABLE AB (CONT)

3B21D PROCESSOR E/N ENCHANCED IOP/DFC

FUNCTION	J3T061A-1 LIST	QUANTITY	EXPLANATION	REQUIREMENTS	5ESS GENERIC APPLICATION	RATING
PROCESSOR CONTROL CABINET	107	1	PROVIDES ONE 64K BIT / SEC INTERFACE CONTROLLER CIRCUIT PACK (TN1420) FOR INTERNATIONAL APPLICATIONS.	PROVIDE PER JOB ENGINEERING REQUIREMENTS	5EE6 AND LATER	STD
	111	1	PROVIDE ONE SCANNER SIGNAL DISTR PERIPH CNTLR (UN933)		5E10 OR 5EE7.1 AND LATER	
	113	1	PROVIDE ONE MULTI-PURPOSE PERIPH CCNTLR (UN582)			
	180	1	PROVIDE A SYSTEM 12 (GLOBBALYST 515 AND R3) AIMS DEDICATED TERMINAL AND SOFTWARE		5E10 OR 5EE7.1 AND LATER	
	181	1	PROVIDE A SYSTEM 13 (GLOBALYST 525 AND R3) AIMS MULTIMEDIA TERMINAL AND SOFTWARE			
	182	1	PROVIDE A SYSTEM 14 (GLOBALYST 525 AND R3) AIMS MULTIMEDIA TERMINAL AND SOFTWARE			
PROCESSOR GROWTH CABINET	200	1	PROVIDES ONE CABINET ARRANGED FOR UP TO TWO NINE TRACK SCSI TAPE UNITS	PROVIDE PER JOB ENGINEERING REQUIREMENTS	5E10 OR 5EE7.1 AND LATER	
	201	1	PROVIDES ONE 60HZ 1600/6250 BPI, 125 IPS TAPE UNIT WITH SCSI INTERFACE	PROVIDE PER JOB ENGINEERING REQUIREMENTS MAXIMUM OF TWO PER PERIPHERAL GROWTH CABINET		
	202	1	PROVIDES ONE 50 HZ 1600/6250 BPI, 125 IPS TAPE UNIT WITH SCSI INTERFACE			

NOTES:

1. SEE EQUIPMENT NOTE: 224.

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 35M

Lucent Technologies | SD-5D014-02 | SHEET: D9A

EQUIPMENT NOTES (CONT):

208. TABLE BA

PERIPHERAL CONTROL ASSIGNMENTS IN IOP
5E1.1A GENERIC

IOP 0 OR 1	PERIPHERAL CONTROL			C.P. CODE	ECD STATUS	EXPLANATION	
	COMMUNITY	SLOT	CHANNEL				
0 + 1	0	0	–	TN83B	REQUIRED	MCC AND NO. 2 SCCS TTY AND ROP (PART OF J1C176A-1 LIST 1)	
0 + 1	0	1	–	UN33B	REQUIRED	SCSD FOR POWER/BUILDING ALARMS	SPECIFIC SCSD ASSIGNMENTS ARE COVERED IN SD-5D007-01
0 + 1	0	2	–	UN33B	REQUIRED	SCSD FOR 3B / NO. 5 EQUIPMENT ALARMS (INCLUDED IN J1C176A-1 LIST 1)	
0	0	3	–	UN52	REQUIRED	MAGNETIC TAPE CONTROLLER	
0	1	0,1,2,3	–	FPC	REQUIRED	FOUNDATION PERIPHERAL CONTROLLER CIRCUIT PACKS (REFERENCE SD-5D010-01)	
0	2	0	0	TN74B	OPTIONAL	RCVFY-SCC	
			1			BELT LINE	
0	2	1	0	TN75C		SCANS	
			1			AMARC PRIMARY	
0	2	2	0	TN74B		RCVFY-SCC	
			1			ALIT RSB	
0	2	3	0	OPEN			
			1				
0	3	0	0	OPEN			
			1				
0	3	1	0	OPEN			
			1				
0	3	2	0	OPEN			
			1				
0	3	3	0	OPEN			
			1				
1	0	3	0	TN75C		AMARC - DBU	
			1			EADAS	
1	1	0,1,2,3	–	FPC	REQUIRED	FOUNDATION PERIPHERAL CONTROLLER CIRCUIT PACKS (REFERENCE SD-5D010-02)	
1	2	0	0	TN74B	OPTIONAL	RCVFY - RC LOCAL	
			1			RCVFY - RC CENTER	
1	2	1	0	TN74B		RCVFY - NAC	
			1			RSB - LTD	
1	2	2	0	OPEN			
			1				
1	2	3	0	TN75C		RMAS	
			1			SES2	
1	3	0	0	OPEN			
			1				
1	3	1	0	OPEN			
			1				
1	3	2	0	OPEN			
			1				
1	3	3	0	OPEN			
			1				

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

Lucent Technologies | SD-5D014-02 | SHEET: D10

EQUIPMENT NOTES (CONT):

208. TABLE BB

PERIPHERAL CONTROL ASSIGNMENTS IN IOP
5E1(2) THRU 5E2(1) GENERIC

IOP 0 OR 1	PERIPHERAL CONTROL COMMUNITY	SLOT	CHANNEL	C.P. CODE	ECD STATUS	EXPLANATION	
0 + 1	0	0	–	TN83B	REQUIRED	MCC AND NO. 2 SCCS TTY AND ROP (PART OF J1C176A-1 LIST 1)	
0 + 1	0	1	–	UN33B	REQUIRED	SCSD FOR POWER/BUILDING ALARMS	SPECIFIC SCSD ASSIGNMENTS ARE COVERED IN SD-5D007-01
0 + 1	0	2	–	UN33B	REQUIRED	SCSD FOR 3B / NO. 5 EQUIPMENT ALARMS (PART OF J1C176A-1 LIST 1)	
0 + 1	1	0	–	UN33B	REQUIRED	SCSD FOR NO. 5 EQUIPMENT ALARMS	
0 + 1	1	1	–	UN33B	REQUIRED	SCSD FOR MISCELLANEOUS BUILDING ALARMS	
0	0	3	–	UN52	REQUIRED	MAGNETIC TAPE CONTROLLER (NOTE 4)	
0	1	2		OPEN	OPTIONAL		
0	1	3		OPEN			
0	2	0	0	TN74B		RCVFY-SCC	
			1			BELT LINE	
0	2	1	0	TN75C		SCANS	
			1			AMARC PRIMARY (NOTES 1 AND 2)	
						MLT2 (NOTE 3)	
0	2	2	0	TN74B		RCVFY - SCC	
			1			ALIT RSB	
0	2	3	0	TN75C		CTTC	
			1			OPEN	
0	3	0	0	OPEN		RESERVED	
			1			RESERVED	
0	3	1	0	TN74B		3RD STLWS	
			1			4TH STLWS	
0	3	2	0	TN74B		5TH STLWS	
			1			6TH STLWS	
0	3	3	0	OPEN			
			1				
1	0	3	0	TN75C		AMARC - DBU (NOTES 1 & 2)	
			1			EADAS	
1	1	2	0	OPEN			
			1				
1	1	3	0	OPEN			
			1				
1	2	0	0	TN74B		RCVFY - RC LOCAL	
			1			RCVFY - RC CENTER	
1	2	1	0	TN74B		RCVFY - NAC	
			1			RSB - LTD	
1	2	2	0	TN74B		1ST STLWS	
			1			2ND STLWS	
1	2	3	0	TN75C		RMAS	
			1			SES2	
1	3	0	0	TN74B		TMT	
			1			2ND BELT LINE	
1	3	1	0	TN75C		AMAT - 4800 OR 9600 BAUD (NOTE 1)	
			1			RESERVED	
1	3	2	0	TN74B		ORP	
			1			TRAFFIC PRINTER	
1	3	3	0	OPEN			
			1				

NOTES:

1. AMARC OR AMAT MAY BE CHOSEN TO MEET JOB ENGINEERED REQUIREMENTS. BOTH CAN NOT BE CHOSEN.
2. AMARC FEATURE IS NOT APPLICABLE TO 5E2(1) OR LATER RELEASE.
3. MLT2 AVAILABLE FOR 5E2(1) AND LATER RELEASE.
4. FOR ALL APPLICATIONS UTILIZING 340MB DISK DRIVES, THIS POSITION IS EQUIPPED WITH UN145 HIGH SPEED TAPE CONTROLLER.

EQUIPMENT NOTES (CONT):

210. TABLE BC PERIPHERAL CONTROL ASSIGNMENTS IN IOP 5E2(2) THRU 5E3 GENERIC

IOP	PERIPHERAL CONTROL			C.P.	ECD	REMARKS	SEE
0 OR 1	COMMUNITY	SLOT	CHANNEL	CODE	STATUS		NOTE
0	0	0		TN83B	ALWAYS EQUIPPED	MAINTENANCE TTY	3
0	0	1		UN33B	ALWAYS EQUIPPED	SCSD FOR BUILDING POWER ALARMS	
0	0	2		UN33B	ALWAYS EQUIPPED	SCSD FOR 3B PROCESSOR AND 5ESS ® EQUIPMENT ALARMS	
0	0	3		UN52	ALWAYS EQUIPPED	MAGNETIC TAPE CONTROLLER FOR REQUIRED TAPE DRIVE	1
0	1	0		UN33B	REQUIRED WITH TMS/MSG OR WITH CM2 IN OFFICES >128 SM'S	SCSD FOR TIME MULTIPLEXED SWITCH - MESSAGE SWITCH EQUIPMENT ALARMS OR COMMUNICATIONS MODULE, MODEL 2 GROWTH EQUIPMENT ALARMS	
0	1	1		UN33B	OPTIONAL	SCSD FOR CUSTOMER ASSIGNABLE ALARMS	
0	1	2		UN33B	REQUIRED WITH NETWORK CLOCK, MODEL 2, COMMON NETWORK INTER-FACE (CNI) OR COMMUNICATIONS MODULE, MODEL 2	SCSD FOR NETWORK CLOCK, MODEL 2, AND/OR CNI, AND/OR CM2 EQUIPMENT ALARMS	
0	1	3		UN33B	REQUIRED FOR CM2	SCSD FOR CM2 EQUIPMENT ALARMS	
0	2	0	0	TN74B	OPTIONAL	RCVFY - SCC	
			1			BELTLINE A	
0	2	1	0	TN75C	OPTIONAL	SCANS	
			1			MLT2	
0	2	2	0	TN74B	OPTIONAL	RCVFY - SCC	
			1			ALIT RSB	
0	2	3	0	TN75C	OPTIONAL	CTTU	
			1			EADAS	
0	3	0	0		LAB USE ONLY	SYSTEM LAB UNIX™ LINK	
			1				
0	3	1	0	TN74B	OPTIONAL	3RD STLWS (2)	
			1			4TH STLWS (3)	
0	3	2	0	TN75C	OPTIONAL	AMAT	2
			1			AMAT	
0	3	3			INACCESSIBLE		
1	0	0		TN83B	ALWAYS EQUIPPED	MAINTENANCE TTY	
1	0	1		UN33B	ALWAYS EQUIPPED	SCSD FOR BUILDING POWER ALARMS	
1	0	2		UN33B	ALWAYS EQUIPPED	SCSD FOR 3B PROCESSOR AND 5ESS ® EQUIPMENT ALARMS	
1	0	3		UN52	REQUIRED WITH 2ND TAPE DRIVE	MAGNETIC TAPE CONTROLLER FOR 2ND TAPE DRIVE ASSOCIATED WITH DUAL STREAM RECORDING/HIGH CAPACITY BILLING	1
1	1	0		UN33B	REQUIRED WITH TMS/MSG OR WITH CM2 IN OFFICES >128 SM'S	SCSD FOR TIME MULTIPLEXED SWITCH-MESSAGE SWITCH EQUIPMENT ALARMS OR CM2 GROWTH EQUIPMENT ALARMS	
1	1	1		UN33B	OPTIONAL	SCSD FOR CUSTOMER ASSIGNABLE ALARMS	
1	1	2		UN33B	REQUIRED WITH NETWORK CLOCK, MODEL 2, COMMON NETWORK INTER-FACE (CNI) OR COMMUNICATIONS MODULE, MODEL 2	SCSD FOR NETWORK CLOCK, MODEL 2, AND/OR CNI, AND/OR CM2 EQUIPMENT ALARMS	
1	1	3		UN33B	REQUIRED FOR CM2	SCSD FOR CM2 EQUIPMENT ALARMS	
1	2	0	0	TN74B	OPTIONAL	RCVFY - LOCAL	
			1			RCVFY - RC CTR	
1	2	1	0	TN74B	OPTIONAL	RCVFY - NAC	
			1			RSB - LTD	
1	2	2	0	TN74B	OPTIONAL	1ST STLWS (0)	
			1			2ND STLWS (1)	
1	2	3	0	TN75C	OPTIONAL	RMAS	
			1			SES2	
1	3	0	0	TN74B	OPTIONAL	TRANSMISSION MAINTENANCE (TMT)	
			1			BELT LINE B	

NOTES:

1. FOR APPLICATIONS UTILIZING 340MB DISKS THIS SLOT IS EQUIPPED WITH A UN145 FOR FAST TAPE BACKUP.
2. THIS SLOT MAY BE EQUIPPED WITH A TN82, PROVIDING A 56KBPS BX.25 DATA LINK PER JOB ENGINEERED REQUIREMENTS.
3. THIS SLOT MAY BE EQUIPPED WITH A TN83B OR TN983. SEE NOTE 206.

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE C2 | ISSUE 33M

Lucent Technologies | SD-5D014-02 | SHEET D12

EQUIPMENT NOTES (CONT):

210. TABLE BC (CONT) PERIPHERAL CONTROL ASSIGNMENTS IN IOP 5E2(2) THRU 5E3 GENERIC

IOP	PERIPHERAL CONTROL			C.P.	ECD	REMARKS	SEE
0 OR 1	COMMUNITY	SLOT	CHANNEL	CODE	STATUS		NOTE
1	3	1	0	TN75C	OPTIONAL	AMAT	2
			1			AMAT	
1	3	2	0	TN74B	OPTIONAL	OFFICE RECORD PRINTER (ORP)	
			1			TRAFFIC CHANNEL	
1	3	3			INACCESSIBLE		
2	0	0	0	TN74B	OPTIONAL	5TH STLWS (4)	
			1			6TH STLWS (5)	
2	0	1	0	TN75C	OPTIONAL		3,4
			1			APPLICATIONS PROCESSOR LINK # 1	
2	0	2	0	TN75C	OPTIONAL		
			1			APPLICATIONS PROCESSOR LINK # 2	
2	0	3	0	TN75C	OPTIONAL		
			1			APPLICATIONS PROCESSOR LINK # 3	
2	1	0	0	TN75C	OPTIONAL		
			1			APPLICATIONS PROCESSOR LINK # 4	
2	1	1	0	TN75C	OPTIONAL		
			1			APPLICATIONS PROCESSOR LINK # 5	
2	1	2	0	TN75C	OPTIONAL		
			1			APPLICATIONS PROCESSOR LINK # 6	
2	1	3		UN33B	REQUIRED FOR ALL APPLICATIONS EQUIPPED WITH GREATER THAN 6 340MB DISK DRIVES (EXCLUDING SHELF SPARES)	SCSD FOR DISK 06 THRU 15	

NOTES:

1. FOR APPLICATIONS UTILIZING 340MB DISKS THIS SLOT IS EQUIPPED WITH A UN145 FOR FAST TAPE BACKUP.

2. THIS SLOT MAY BE EQUIPPED WITH A TN82, PROVIDING A 56KBPS BX.25 DATA LINK PER JOB ENGINEERED REQUIREMENTS.

3. APPLICATIONS PROCESSOR LINKS APPLY TO 5E3 OR LATER GENERICS. REFER TO SD-1C956-01 FOR ADDITIONAL INFORMATION ON APPLICATIONS PROCESSORS (AP) IN THE 5ESS® SWITCHING SYSTEM ENVIRONMENT.

4. DATA RATE LIMITATIONS OF THE TN75C LIMIT THE NUMBER OF APPLICATIONS PROCESSOR LINKS TO ONE LINK PER CIRCUIT PACK ASSIGNED TO PORT 1 OF EACH PACK.

EQUIPMENT NOTES (CONT):

211. TABLE BD. PERIPHERAL CONTROL ASSIGNMENTS IN IOP 5EE2 GENERIC

IOP 0 OR 1	PERIPHERAL CONTROL COMMUNITY	SLOT	CHANNEL	C.P. CODE	ECD REQUIRED	REMARKS	SEE NOTE
0	0	0		TN983	ALWAYS EQUIPPED	MTTY CONTROLLER	1
0	0	1		UN33B	ALWAYS EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR BUILDING AND POWER ALARMS	
0	0	2		UN33B	ALWAYS EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR PROCESSOR AND 5ESS EQUIPMENT ALARMS	
0	0	3		UN52	ALWAYS EQUIPPED	MAGNETIC TAPE CONTROLLER FOR REQUIRED TAPE DRIVE	2
0	1	0		UN33B	ALWAYS REQUIRED WITH TMS/MSG REQUIRED WITH CM2 >128 SM'S	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR TIME MULTIPLEXED SWITCH AND MESSAGE SWITCH EQUIPMENT ALARMS OR FOR COMMUNICATIONS MODULE, MODEL 2 GROWTH EQUIPMENT ALARMS	
0	1	1		UN33B	OPTIONAL	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CUSTOMER ASSIGNABLE ALARMS	
0	1	2		UN33B	REQUIRED WHEN CM2,CNI OR NETWORK CLOCK 2 ARE EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CM2 AND/OR CNI AND/OR NETWORK CLOCK 2 EQUIPMENT ALARMS	
0	1	3		UN33B	REQUIRED WITH CM2	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CM2 EQUIPMENT ALARMS	
0	2	0	0	TN74B	OPTIONAL	UNASSIGNED	
			1			BELTLINE-A	
0	2	1	0	TN75C	OPTIONAL	SCANS	
			1			UNASSIGNED	
0	2	2	0	TN74B	OPTIONAL	STLWS-4	
			1			STLWS-5	
0	2	3	0	TN75C	OPTIONAL	BRITISH TELECOM DATA COLLECTOR #4	6
			1				3
0	3	0			LAB USE ONLY	SYSTEM LAB UNIX LINK	
0	3	1	0	TN74B	OPTIONAL	STLWS-2	
			1			STLWS-3	
0	3	2	0	TN75C	OPTIONAL	BRITISH TELECOM DATA COLLECTOR # 2	6
			1				3
0	3	3				INACCESSIBLE	
1	0	0		TN983	ALWAYS EQUIPPED	MTTY CONTROLLER	1
1	0	1		UN33B	ALWAYS EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR BUILDING AND POWER ALARMS	
1	0	2		UN33B	ALWAYS EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR PROCESSOR AND 5ESS EQUIPMENT ALARMS	
1	0	3		UN52	OPTIONAL	MAGNETIC TAPE CONTROLLER FOR 2ND TAPE DRIVE	2
1	1	0		UN33B	ALWAYS REQUIRED WITH TMS/MSG REQUIRED WITH CM2 >128 SM'S	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR TIME MULTIPLEXED SWITCH AND MESSAGE SWITCH EQUIPMENT ALARMS OR FOR COMMUNICATIONS MODULE MODEL 2 GROWTH EQUIPMENT ALARMS	
1	1	1		UN33B	OPTIONAL	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CUSTOMER ASSIGNABLE ALARMS	
1	1	2		UN33B	REQUIRED WHEN CM2, CNI OR NETWORK CLOCK2 ARE EQUIPPED	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CM2 AND/OR CNI AND/OR NETWORK CLOCK 2 EQUIPMENT ALARMS	
1	1	3		UN33B	REQUIRED WITH CM2	SCAN AND SIGNAL DISTRIBUTE POINT CONTROLLER FOR CM2 EQUIPMENT ALARMS	
1	2	0	0	TN74B	OPTIONAL	RECENT CHANGE AND VERIFY - LOCAL TERMINAL	
			1			RECENT CHANGE AND VERIFY - REMOTE TERMINAL	
1	2	1	0			UNASSIGNED	
			1			UNASSIGNED	
1	2	2	0	TN74B	OPTIONAL	STLWS-0	
			1			STLWS-1	
1	2	3	0	TN75C	OPTIONAL	BRITISH TELECOM DATA COLLECTOR #3	6
			1				3

EQUIPMENT NOTES (CONT):

211. (CONT) TABLE BD.

IOP 0 OR 1	PERIPHERAL CONTROL COMMUNITY	SLOT	CHANNEL	C.P. CODE	ECD REQUIRED	REMARKS	SEE NOTE
1	3	0	0	TN74B	OPTIONAL	UNASSIGNED	
			1			BELTLINE-B	
1	3	1	0	TN75C	OPTIONAL	ADMINISTRATION, OPERATIONS & MAINTENANCE CENTER (AOM)	5
			1			BRITISH TELECOM DATA COLLECTOR #1	6
							3,4
1	3	2	0	TN74B	OPTIONAL	OFFICE RECORDS PRINTER	
			1			TRAFFIC CHANNEL	
1	3	3				INACCESSIBLE	

NOTES:

1. THIS POSITION MAY BE EQUIPPED WITH A TN83B.
2. FOR 340MB DISK OPERATION WITH FAST TAPE (6250 BPI) BACK-UP EQUIP WITH UN145B.
3. THE MAXIMUM DATA THROUGH PUT FOR THIS CONTROLLER IS 9600 BPS. SINCE THE ALTERNATE CHANNEL ON THIS CONTROLLER WILL OPERATE AT OR CLOSE TO THE MAXIMUM RATE. THIS CHANNEL IS UNASSIGNABLE.
4. WHEN THE ALTERNATE CHANNEL OF THIS CONTROLLER IS ASSIGNED TO AOM THIS CHANNEL IS USABLE BUT IS UNASSIGNED.
5. THIS FUNCTION APPLIES TO SAUDI ARABIAN APPLICATIONS ONLY.
6. THIS FUNCTION APPLIES TO BRITISH TELECOM APPLICATIONS ONLY.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 33M

Lucent Technologies | SD-5D014-02 | SHEET: D14

EQUIPMENT NOTES (CONT):

211. (CONT) 5E4(2) AND LATER GENERIC FLEXIBLE IOP ASSIGNMENT RULES FOR 3B20D MODEL 3 PROCESSOR.
TABLE 1A

IOP 0

PC 1

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN33B	UN33B	UN33B	UN33B
SCSD CM ALARMS	SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS
2,7	2,7,8	2	2,9,13
038	046	054	062
013X	012X	011X	010X

PC 0

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN145	UN33B	UN33B	TN983
MAG TAPE CONTROL 0	SCSD AM ALARMS	SCSD OFFICE ALARMS	MTTY
1	1	1	1
078	086	094	102
003X	002X	001X	000X

IOP 1

PC 1

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN33B	UN33B	UN33B	UN33B
SCSD CM ALARMS	SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS
2,7	2,7,8	2	2,9,13
038	046	054	062
113X	112X	111X	110X

PC 0

SLOT 3	SLOT 2	SLOT 1	SLOT 0	
UN145	UN33B	UN33B	TN983	← PACK CODE
MAG TAPE CONTROL 1	SCSD AM ALARMS	SCSD OFFICE ALARMS	MTTY	
3	1	1	1	← APPLICABLE NOTES
078	086	094	102	← CIRCUIT PACK EQL
103X	102X	101X	100X	← IOP/PC/SLOT/PORT (NOTE 14)

PC 3

SLOT 3	SLOT 2	SLOT 1	SLOT 0
	UN145		UN33B
NO ACCESS	MAG TAPE CONTROL 2,3		SCSD DISK DRIVES 6-15, 31
	3,5	4	2,6,10,12
	034	040	046
	032X	031X	030X

PC 2

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
062	068	074	080
023X	022X	021X	020X

PC 3

SLOT 3	SLOT 2	SLOT 1	SLOT 0
NO ACCESS			
	4	4	4
	034	040	046
	132X	131X	130X

PC 2

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
062	068	074	080
123X	122X	121X	120X

IOP 2

PC 1

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN33B	UN33B		
SCSD DISK DRIVES 6-15, 31	SCSD DISK DRIVES 16-30		
6,12	4,11	4	4
038	046	054	062
213X	212X	211X	210X

PC 0

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
078	086	094	102
203X	202X	201X	200X

IOP 3

PC 1

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN145			
MAG TAPE CONTROL 8,9			
3,5	4	4	4
038	046	054	062
313X	312X	311X	310X

PC 0

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
078	086	094	102
303X	302X	301X	300X

PC 3

SLOT 3	SLOT 2	SLOT 1	SLOT 0
UN145			
MAG TAPE CONTROL 6,7			
3,5	4	4	4
028	034	040	046
233X	232X	231X	230X

PC 2

SLOT 3	SLOT 2	SLOT 1	SLOT 0
			UN145
			MAG TAPE CONTROL 4,5
4	4	4	3,5
062	068	074	080
223X	222X	221X	220X

PC 3

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
028	034	040	046
333X	332X	331X	330X

PC 2

SLOT 3	SLOT 2	SLOT 1	SLOT 0
4	4	4	4
062	068	074	080
323X	322X	321X	320X

NOTES:

1. THIS SLOT IS PERMANENTLY ASSIGNED TO THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACK IS ALWAYS EQUIPPED.
2. THIS SLOT IS PERMANENTLY ASSIGNED TO THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACK MAY OR MAY NOT BE EQUIPPED.
3. THIS SLOT IS THE REQUIRED LOCATION FOR THE STATED FUNCTION. IF THE STATED FUNCTION NOT REQUIRED IN A GIVEN APPLICATION, THIS SLOT IS AVAILABLE FOR FLEXIBLE ASSIGNMENT.
4. THIS SLOT IS ALWAYS AVAILABLE FOR FLEXIBLE ASSIGNMENT.
5. THIS ASSIGNMENT APPLIES TO EXPORT APPLICATIONS ONLY.
6. IN APPLICATIONS INVOLVING RETROFITS TO THE 5E4(2) GENERIC: IF THE SCSD CONTROLLER IS ACTIVE IN IOP 2 PRIOR TO RETROFIT, IT WILL REMAIN IN IOP 2. IF THE SCSD CONTROLLER IS UNEQUIPPED PRIOR TO RETROFIT, THE SCSD CONTROLLER MUST BE LOCATED IN IOP 0 WHEN EQUIPPED. ALL FACTORY 5E4(2) SHIPMENTS WILL HAVE THE SCSD CONTROLLER LOCATED IN IOP 0 WHEN EQUIPPED.
7. PROVIDE WITH ALL CM2 APPLICATIONS.
8. PROVIDE WITH ALL MCLK2 AND/OR CNI APPLICATIONS.
9. PROVIDE WITH CM2 APPLICATIONS PROVIDING MMP COMMUNITIES ( )12 THRU ( )15 OR CMP.
10. PROVIDE WITH ALL SCSI APPLICATIONS REQUIRING DFC2 & DFC3.
11. PROVIDE WITH ALL SCSI APPLICATIONS IN WHICH SCSI DISK DRIVES 16 OR HIGHER EQUIPPED.
12. EITHER IOP0 PC30 OR IOP2 PC13 MUST BE EQUIPPED WHEN DISKS 14 & 15 OF THE 3B20D PROCESSOR ARE USED AS HOT SPARES.
13. PROVIDE IN ALL CM1 APPLICATIONS.
14. AN "X" INDICATES THE PORT ASSIGNMENT.

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

Lucent Technologies
SD-5D014-02
SHEET: D15

EQUIPMENT NOTES (CONT):

211. (CONT) FLEXIBLE IOP ASSIGNMENT RULES FOR 5E9(1) AND LATER SOFTWARE RELEASES OR 5EE6 AND LATER SOFTWARE RELEASES WHEN A 5ESS-2000 SWITCH EQUIPPED WITH CM2C AND A 3B21D PROCESSOR ARE EQUIPPED.
TABLE 1B

IOP 3

PC 0				PC 1				PC 2				PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3
2	2	2	2	2	2	2	2	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
62-040	62-048	62-056	62-064	62-072	62-080	62-088	62-096	62-108	62-116	62-124	62-132	62-140	62-148	62-156	62-164
300X	301X	302X	303X	310X	311X	312X	313X	320X	321X	322X	323X	330X	331X	332X	333X

IOP 1

PC 2				PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	
2	2	2	2	2	2,4	2,4	
53-094	53-102	53-110	53-118	53-130	53-138	53-146	
120X	121X	122X	123X	130X	131X	132X	

PC 0				PC 1				
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3	
TN983	UN33D	UN33D		UN33D				← PACK CODE
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM AND CM2C ALARMS		SCSD CNI AND CMPU ALARMS				
1	1	1	2	3,9	7,10	3	3	← APPLICABLE NOTES
45-094	45-102	45-110	45-118	45-130	45-138	45-146	45-154	← CIRCUIT PACK EQL
100X	101X	102X	103X	110X	111X	112X	113X	← IOP/PC/SLOT/PORT (NOTE 6)

IOP 0

PC 2				PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	
2	2	2	2	8,10	2,4	2,4	
28-094	28-102	28-110	28-118	28-130	28-138	28-146	
020X	021X	022X	023X	030X	031X	032X	

PC 0				PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3
TN983	UN33D	UN33D		UN33D			
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM AND CM2C		SCSD CNI AND CMPU ALARMS			
1	1	1	2	3,9	7,10	3	3
19-094	19-102	19-110	19-118	19-130	19-138	19-146	19-154
000X	001X	002X	003X	010X	011X	012X	013X

IOP 2

PC 0				PC 1				PC 2				PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3	SLOT 0	SLOT 1	SLOT 2	SLOT 3
2	2	2	2	2	2	2	2	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
11-040	11-048	11-056	11-064	11-072	11-080	11-088	11-096	11-108	11-116	11-124	11-132	11-140	11-148	11-156	11-164
200X	201X	202X	203X	210X	211X	212X	213X	220X	221X	222X	223X	230X	231X	232X	233X

GENERIAL NOTES (CONT):

9. THIS SLOT IS ALWAYS REQUIRED IN US APPLICATIONS.

10. IN INTERNATIONAL APPLICATIONS, THIS SLOT IS AVAILABLE FOR FLEXIBLE ASSIGNMENT. IN US APPLICATIONS, THIS SLOT MUST BE LEFT EMPTY UNLESS OTHER NOTES APPLY.

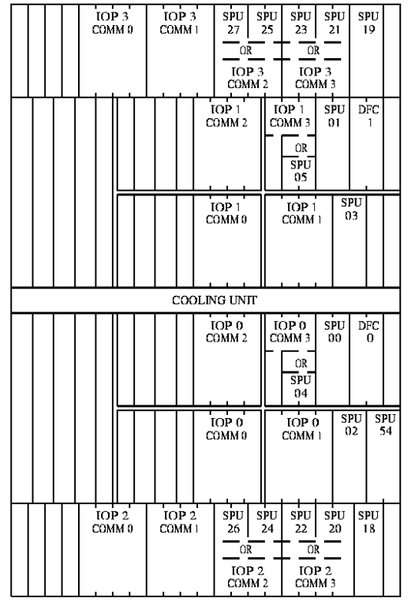
GENERIAL NOTES:

1. THIS SLOT IS ALWAYS REQUIRED FOR THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACK IS ALWAYS REQUIRED.

2. THIS SLOT IS AVAILABLE FOR FLEXIBLE ASSIGNMENT.

3. FOR INTERNATIONAL APPLICATIONS, THIS IOP SLOT SHOULD BE EQUIPPED LAST FOR FLEX IOP ASSIGNMENTS SINCE IT IS REQUIRED WHEN CONVERTING A "5ESS-2000 SWITCH E/W CM2C OPTION" TO A STANDARD 5ESS OFFICE EQUIPPED WITH A CM2. IN US APPLICATIONS, THIS SLOT MUST BE LEFT EMPTY.

4. THIS SLOT MAY BE EQUIPPED WITH A SCSI PERIPHERAL UNIT (SPU). A SPU REQUIRES TWO IOP SLOTS IN ORDER TO BE EQUIPPED. SEE NOTE 223 FOR A REPRESENTATION OF THE SPU LOCATIONS.



5. SEE EQUIPMENT NOTE 223 FOR DETAILED INFORMATION ON THE EQUIPAGE AND DFC ASSIGNMENTS FOR THE 3B21D PROCESSOR SPU'S.

6. AN "X" INDICATES THE PORT ASSIGNMENT.

7. IF ADDITIONAL CUSTOMER ASSIGNABLE SCAN POINTS ARE REQUIRED, THIS SLOT MUST BE EQUIPPED WITH A UN33D CIRCUIT PACK.

8. WHEN SPUS 18 - 19 ARE USED FOR MOVING HEAD DISKS (UN375) OR MAGNETIC TAPES (UN376), THIS SLOT MUST BE EQUIPPED WITH A UN33D CIRCUIT PACK IN ORDER TO PROVIDE SCAN AND SD POINTS. THIS RULE DOES NOT APPLY TO SPU 54 SINCE IT RECEIVES ITS SCAN AND SD POINTS FROM IOP-0 PC02 NOR DOES IT APPLY TO SPU 56, SPU 57, SPU 58, OR SPU 59 SINCE THEY DO NOT REQUIRE SCAN AND SD POINTS.

9. THIS SLOT IS ALWAYS REQUIRED IN US APPLICATIONS.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

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EQUIPMENT NOTES (CONT):

211. (CONT)

NOTES FOR US APPLICATIONS:

1) THE BASE CONFIGURATION WILL CONSIST OF MHDS 0, 1, 2, AND 3 EQUIPPED IN SPUS 0, 1, 2, AND 3 RESPECTIVELY.

2) SPU 4 AND SPU 5 MAY BE EQUIPPED AS ANY OF THE FOLLOWING FOUR OPTIONS.

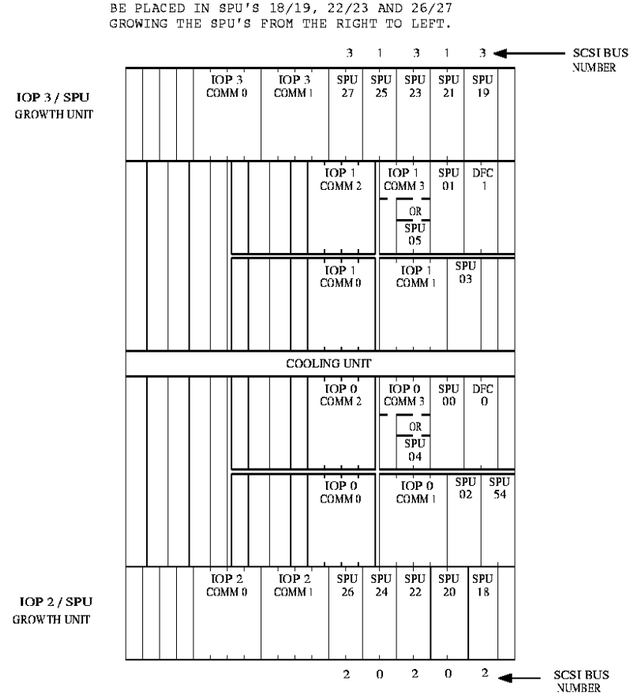
   A. FOUR IOP CONTROLLER SLOTS (TWO ON SIDE 0 AND TWO ON SIDE 1).
   B. MHD 14 (SPU 4) AND TWO IOP CONTROLLER SLOTS (TWO ON SIDE 1).
   C. MHD 14 (SPU 4) AND MHD 15 (SPU 5).
   D. MHD 4 (SPU 4) AND 5 (SPU 5).

   NOTE: WHEN USING OPTIONS 2B, 2C AND 2D THE NUMBER OF AVAILABLE CONTROLLER SLOTS IN IOPS 0 AND 1 IS REDUCED. THIS MAY FORCE THE OFFICE INTO ORDERING A GROWTH IOP TO MEET THEIR NEEDS.

3) RULES FOR ADDITIONAL DISK DRIVES WHEN SPU SLOTS 4 AND 5 HAVE ALREADY BEEN USED. (SEE NOTE 2 OF "NOTES FOR US APPLICATIONS" FOR POSSIBLE SPU 4/5 EQUIPAGE).

   A. EVEN NUMBERED SPU'S ARE ASSIGNED TO EVEN NUMBERED SCSI BUSES (0 AND 2) WHILE ODD NUMBERED SPU'S ARE ASSIGNED TO ODD NUMBERED SCSI BUSES (1 AND 3).

   B. IF A PAIR OF OPTIONAL DISKS IS ORDERED AND PLACED IN SPU'S 18 - 27, BOTH THE IOP 2/SPU GROWTH UNIT AND THE IOP 3/SPU GROWTH UNIT ARE REQUIRED. MHDS ON SCSI BUS 0/1 MUST BE PLACED IN SPU'S 20/21 AND 24/25 GROWING THE SPU'S FROM THE RIGHT TO LEFT. MHDS ON SCSI BUS 2/3 MUST BE PLACED IN SPU'S 18/19, 22/23 AND 26/27 GROWING THE SPU'S FROM THE RIGHT TO LEFT.



   C. IF ONLY MHD 14 IS ORDERED IT WILL BE PLACED IN SPU 20 IN GROWTH SHELF 0. GROWTH SHELF 1 IS NOT REQUIRED AT THIS TIME.

   D. IF BOTH MHD 14 AND MHD 15 ARE ORDERED, MHD 14 WILL BE PLACED IN SPU 20 IN GROWTH SHELF 0 AND MHD 15 WILL BE PLACED IN SPU 21 IN GROWTH SHELF 1.

   E. MHD 4/5 MUST BE LOCATED IN SPU 20 AND SPU 21 RESPECTIVELY (WHEN NOT EQUIPPED IN SPU 4 AND SPU 5). IF SOFTWARE BACKUP DISKS MHD 14/15 ARE REQUIRED AND NOT EQUIPPED IN SPU'S 4/5, THEY WILL BE IN LOCATED SPU'S 24/25 RESPECTIVELY.

   F. MHD 6/7 ARE ALWAYS LOCATED IN SPU 18 AND SPU 19.

   G. ADDITIONAL PAIRS OF MHDS MUST BE GROWN IN FROM THE RIGHT TO LEFT ON THE APPROPRIATE SCSI BUS.

      MHD 8/9 - SCSI BUS 0/1
      MHD 10/11 - SCSI BUS 2/3
      MHD 12/13 - SCSI BUS 2/3

4) RULES FOR A SECOND SCSI 9 TRACK TAPE DRIVE:

   A. THE FIRST SCSI 9 TRACK TAPE DRIVE IS EQUIPPED IN SPU 57 AND WILL BE EQUIPPED ON SCSI BUS 0.

   B. IF A SECOND SCSI 9 TRACK TAPE DRIVE IS CHOSEN, IT WILL BE GROWN INTO SPU 56 AND WILL BE EQUIPPED ON SCSI BUS 1.

NOTES FOR INTERNATIONAL APPLICATIONS:

1. REFERENCE SD-3T015-01 AND J3T061A FOR THE RELATIONSHIP BETWEEN THE SPU EQUIPMENT LOCATIONS IN IOP 2 AND IOP 3 AND THE SCSI BUS ASSIGNMENTS THE EQUIPMENT LOCATIONS ARE ASSOCIATED WITH.
2. IT IS POSSIBLE TO EQUIP BOTH EVEN AND ODD NUMBERED SCSI BUSES WITHIN THE IOP 3/SPU GROWTH UNIT.
3. EACH SPU IN A SPU PAIR SHOULD BE ASSIGNED TO A DIFFERENT DFC AND TO A DIFFERENT SBUS.
4. MAGNETIC TAPE ASSIGNMENTS

   A. IF MT0 IS A DAT, THEN MT0 IS LOCATED IN SPU 54 AND ASSIGNED TO (DFC 0, SBUS 0).

      * IF MT1 IS A DAT, THEN MT1 IS LOCATED IN SPU 5 AND ASSIGNED TO (DFC 1 AND SBUS 1).

      * IF MT1 IS A 9 TRACK TAPE, THEN MT1 IS LOCATED IN SPU 57 AND ASSIGNED TO (DFC 1 AND SBUS 1).

   B. IF MT0 IS A 9 TRACK TAPE, THEN MT0 IS LOCATED IN SPU 57 AND ASSIGNED TO (DFC 0, SBUS 0).

      * IF MT1 IS A DAT, THEN MT1 IS LOCATED IN SPU 5 AND ASSIGNED TO (DFC 1 AND SBUS 1).

      * IF MT1 IS A 9 TRACK TAPE, THEN MT1 IS LOCATED IN SPU 56 AND ASSIGNED TO (DFC 1 AND SBUS 1).

   C. IF MT2 IS A 9 TRACK TAPE, THEN MT2 IS LOCATED IN SPU 59 AND ASSIGNED TO (DFC 0 AND SBUS 2).

   D. IF MT3 IS A 9 TRACK TAPE, THEN MT3 IS LOCATED IN SPU 58 AND ASSIGNED TO (DFC 1 AND SBUS 3).

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

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EQUIPMENT NOTES (CONT):

211. (CONT) FLEXIBLE IOP ASSIGNMENT RULES FOR 5E9(1) AND LATER SOFTWARE RELEASE OR 5EE6 AND LATER SOFTWARE RELEASE EQUIPPED WITH THE 3B21D PROCESSOR.
TABLE 1C

IOP 3

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
62-040	62-048	62-056	62-064
300X	301X	302X	303X

PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
62-072	62-080	62-088	62-096
310X	311X	312X	313X

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
62-108	62-116	62-124	62-132
320X	321X	322X	323X

PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
62-140	62-148	62-156	62-164
330X	331X	332X	333X

IOP 1

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
53-094	53-102	53-110	53-118
120X	121X	122X	123X

PC 3			
SLOT 0	SLOT 1	SLOT 2	
3	3,4,5	3,4,5	
53-130	53-138	53-146	
130X	131X	132X	

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
TN983	UN33D	UN33D	
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM ALARMS	
1	1	1	3
45-094	45-102	45-110	45-118
100X	101X	102X	103X

PC 1				
SLOT 0	SLOT 1	SLOT 2	SLOT 3	
UN33D	UN33D	UN33D	UN33D	← PACK CODE
SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS	SCSD CM ALARMS	
2	2	1	1	← APPLICABLE GENERAL NOTES
45-130	45-138	45-146	45-154	← CIRCUIT PACK EQL
110X	111X	112X	113X	← IOP/PC/SLOT/PORT (NOTE 6)

IOP 0

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
28-094	28-102	28-110	28-118
020X	021X	022X	023X

PC 3			
SLOT 0	SLOT 1	SLOT 2	
UN33D			
SCSD DISK DRIVES 6 - 15			
2,7	3,4,5	3,4,5	
28-130	28-138	28-146	
030X	031X	032X	

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
TN983	UN33D	UN33D	
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM ALARMS	
1	1	1	3
19-094	19-102	19-110	19-118
000X	001X	002X	003X

PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN33D	UN33D	UN33D	UN33D
SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS	SCSD CM ALARMS
2	2	1	1
19-130	19-138	19-146	19-154
010X	011X	012X	013X

IOP 2

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
11-040	11-048	11-056	11-064
200X	201X	202X	203X

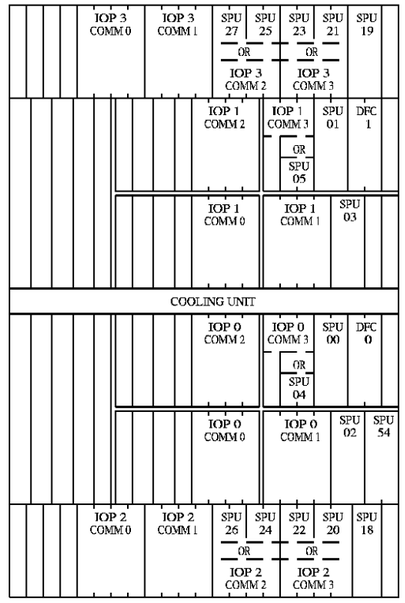
PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3	3	3	3
11-072	11-080	11-088	11-096
210X	211X	212X	213X

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
11-108	11-116	11-124	11-132
220X	221X	222X	223X

PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
11-140	11-148	11-156	11-164
230X	231X	232X	233X

GENERIAL NOTES:

1. THIS SLOT IS ALWAYS REQUIRED FOR THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACK IS ALWAYS REQUIRED.
2. THIS SLOT IS ALWAYS REQUIRED FOR THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACKS MAY OR MAY NOT BE EQUIPPED.
3. THIS SLOT IS AVAILABLE FOR FLEXIBLE ASSIGNMENT:(TN82/B,TN75C, TN74B,&TN1839).
4. THIS SLOT MAY BE EQUIPPED WITH A SCSI PERIPHERAL UNIT (SPU). A SPU REQUIRES TWO IOP SLOTS IN ORDER TO BE EQUIPPED. SEE NOTE 223 FOR A REPRESENTATION OF THE SPU LOCATIONS.



5. SEE EQUIPMENT NOTE 223 FOR DETAILED INFORMATION ON THE EQUIPAGE AND DFC ASSIGNMENTS FOR THE 3B21D PROCESSOR SPU'S.
6. AN"X" INDICATES THE PORT ASSIGNMENT: (X=2 OR 3).
7. WHEN SPUS 18 - 27 ARE USED FOR MOVING HEAD DISKS (UN375) OR MAGNETIC TAPES (UN376), IOP 0 - PC3 - SLOT 0 MUST BE EQUIPPED WITH A UN33D CIRCUIT PACK IN ORDER TO PROVIDE SCAN AND SD POINTS. THIS RULE DOES NOT APPLY TO SPU 54 SINCE IT RECEIVES ITS SCAN AND SD POINTS FROM IOP-0 PC02 NOR DOES IT APPLY TO SPU 56, SPU 57, SPU 58, OR SPU 59 SINCE THEY DO NOT REQUIRE SCAN AND SD POINTS.
8. SEE EQUIPMENT NOTE: 224.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE	ISSUE
C2	35M

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EQUIPMENT NOTES (CONT):

211. (CONT) FLEXIBLE IOP ASSIGNMENT RULES FOR 5E10 AND LATER SOFTWARE RELEASE OR 5EE7.1 AND LATER SOFTWARE RELEASE EQUIPPED WITH THE 3B21D PROCESSOR.
TABLE 1C

IOP 3

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
62-040	62-048	62-056	62-064
300X	301X	302X	303X

PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
62-072	62-080	62-088	62-096
310X	311X	312X	313X

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
62-108	62-116	62-124	62-132
320X	321X	322X	323X

PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
62-140	62-148	62-156	62-164
330X	331X	332X	333X

IOP 1

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
53-094	53-102	53-110	53-118
120X	121X	122X	123X

PC 3			
SLOT 0	SLOT 1	SLOT 2	
UN582			
3	3,4,5	3,4,5	
53-130	53-138	53-146	
130X	131X	132X	

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN583	UN933	UN933	UN582
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM ALARMS	
1	1	1	3
45-094	45-102	45-110	45-118
100X	101X	102X	103X

PC 1				
SLOT 0	SLOT 1	SLOT 2	SLOT 3	
UN933	UN933	UN933	UN933	← PACK CODE
SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS	SCSD CM ALARMS	
2	2	1	1	← APPLICABLE GENERAL NOTES
45-130	45-138	45-146	45-154	← CIRCUIT PACK EQL
110X	111X	112X	113X	← IOP/PC/SLOT/PORT (NOTE 6)

IOP 0

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
28-094	28-102	28-110	28-118
020X	021X	022X	023X

PC 3			
SLOT 0	SLOT 1	SLOT 2	
UN933			
SCSD DISK DRIVES 6 - 15			
2,7	3,4,5	3,4,5	
28-130	28-138	28-146	
030X	031X	032X	

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN583	UN933	UN933	UN582
MTTY	SCSD OFFICE AND CUSTOMER ALARMS	SCSD AM ALARMS	
1	1	1	3
19-094	19-102	19-110	19-118
000X	001X	002X	003X

PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN933	UN933	UN933	UN933
SCSD CM ALARMS	SCSD TELCO ASSIGN	SCSD CM ALARMS	SCSD CM ALARMS
2	2	1	1
19-130	19-138	19-146	19-154
010X	011X	012X	013X

IOP 2

PC 0			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
11-040	11-048	11-056	11-064
200X	201X	202X	203X

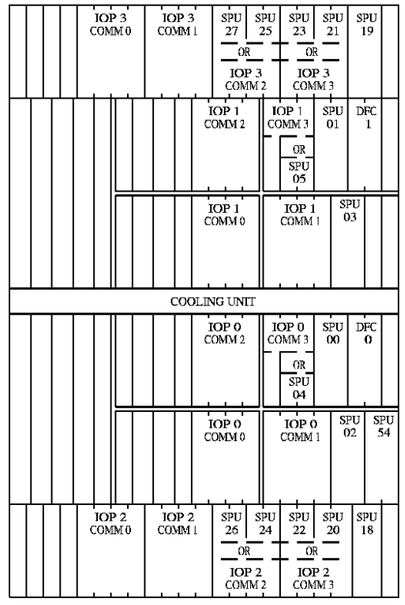
PC 1			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
UN582	UN582	UN582	UN582
3	3	3	3
11-072	11-080	11-088	11-096
210X	211X	212X	213X

PC 2			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
11-108	11-116	11-124	11-132
220X	221X	222X	223X

PC 3			
SLOT 0	SLOT 1	SLOT 2	SLOT 3
3,4,5,7	3,4,5,7	3,4,5,7	3,4,5,7
11-140	11-148	11-156	11-164
230X	231X	232X	233X

GENERAL NOTES:

1. THIS SLOT IS ALWAYS REQUIRED FOR THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACK IS ALWAYS REQUIRED.
2. THIS SLOT IS ALWAYS REQUIRED FOR THE STATED FUNCTION. THE ASSOCIATED PERIPHERAL CONTROLLER CIRCUIT PACKS MAY OR MAY NOT BE EQUIPPED.
3. THIS SLOT IS AVAILABLE FOR FLEXIBLE ASSIGNMENT.
4. THIS SLOT MAY BE EQUIPPED WITH A SCSI PERIPHERAL UNIT (SPU). A SPU REQUIRES TWO IOP SLOTS IN ORDER TO BE EQUIPPED. SEE NOTE 223 FOR A REPRESENTATION OF THE SPU LOCATIONS.



5. SEE EQUIPMENT NOTE 223 FOR DETAILED INFORMATION ON THE EQUIPAGE AND DFC ASSIGNMENTS FOR THE 3B21D PROCESSOR SPU'S.
6. [AN"X" INDICATES THE PORT ASSIGNMENT: (X= 0 THRU 3).
7. WHEN SPUS 18 - 27 ARE USED FOR MOVING HEAD DISKS (UN375) OR MAGNETIC TAPES (UN376), IOP 0 - PC3 - SLOT 0 MUST BE EQUIPPED WITH A UN933 CIRCUIT PACK IN ORDER TO PROVIDE SCAN AND SD POINTS. THIS RULE DOES NOT APPLY TO SPU 54 SINCE IT RECEIVES ITS SCAN AND SD POINTS FROM IOP-0 PC02 NOR DOES IT APPLY TO SPU 56, SPU 57, SPU 58, OR SPU 59 SINCE THEY DO NOT REQUIRE SCAN AND SD POINTS.
8. SEE EQUIPMENT NOTE: 224.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE	ISSUE
C2	35M

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EQUIPMENT NOTES (CONT):

211. (CONT)

NOTES FOR US APPLICATIONS:

1) THE BASE CONFIGURATION WILL CONSIST OF MHDS 0, 1, 2, AND 3 EQUIPPED IN SPUS 0, 1, 2, AND 3 RESPECTIVELY.

2) SPU 4 AND SPU 5 MAY BE EQUIPPED AS ANY OF THE FOLLOWING FOUR OPTIONS.

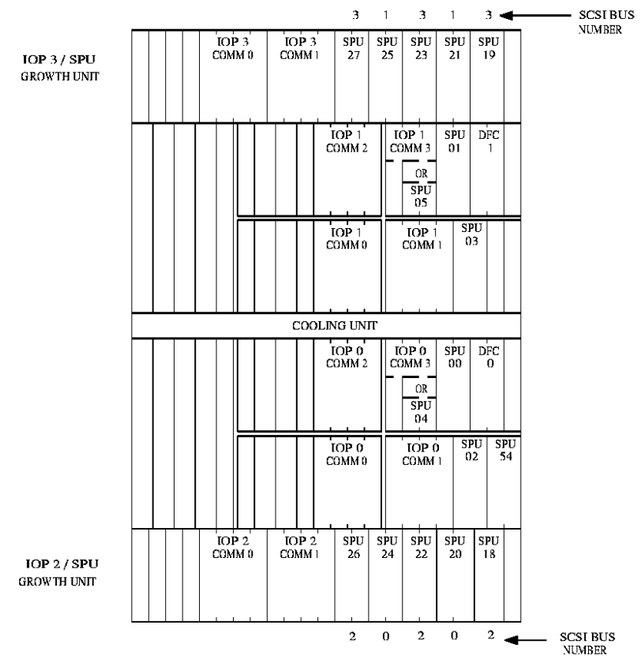
A. FOUR IOP CONTROLLER SLOTS (TWO ON SIDE 0 AND TWO ON SIDE 1).
B. MHD 14 (SPU 4) AND TWO IOP CONTROLLER SLOTS (TWO ON SIDE 1).
C. MHD 14 (SPU 4) AND MHD 15 (SPU 5).
D. MHD 4 (SPU 4) AND 5 (SPU 5).

NOTE: WHEN USING OPTIONS 2B, 2C AND 2D THE NUMBER OF AVAILABLE CONTROLLER SLOTS IN IOPS 0 AND 1 IS REDUCED. THIS MAY FORCE THE OFFICE INTO ORDERING A GROWTH IOP TO MEET THEIR NEEDS.

3) RULES FOR ADDITIONAL DISK DRIVES WHEN SPU SLOTS 4 AND 5 HAVE ALREADY BEEN USED. (SEE NOTE 2 OF "NOTES FOR US APPLICATIONS" FOR POSSIBLE SPU 4/5 EQUIPAGE).

A. EVEN NUMBERED SPU'S ARE ASSIGNED TO EVEN NUMBERED SCSI BUSES (0 AND 2) WHILE ODD NUMBERED SPU'S ARE ASSIGNED TO ODD NUMBERED SCSI BUSES (1 AND 3).

B. IF A PAIR OF OPTIONAL DISKS IS ORDERED AND PLACED IN SPU'S 18 - 27, BOTH THE IOP 2/SPU GROWTH UNIT AND THE IOP 3/SPU GROWTH UNIT ARE REQUIRED. MHDS ON SCSI BUS 0/1 MUST BE PLACED IN SPU'S 20/21 AND 24/25 GROWING THE SPU'S FROM THE RIGHT TO LEFT. MHDS ON SCSI BUS 2/3 MUST BE PLACED IN SPU'S 18/19, 22/23 AND 26/27 GROWING THE SPU'S FROM THE RIGHT TO LEFT.



C. IF ONLY MHD 14 IS ORDERED IT WILL BE PLACED IN SPU 20 IN GROWTH SHELF 0. GROWTH SHELF 1 IS NOT REQUIRED AT THIS TIME.

D. IF BOTH MHD 14 AND MHD 15 ARE ORDERED, MHD 14 WILL BE PLACED IN SPU 20 IN GROWTH SHELF 0 AND MHD 15 WILL BE PLACED IN SPU 21 IN GROWTH SHELF 1.

E. MHD 4/5 MUST BE LOCATED IN SPU 20 AND SPU 21 RESPECTIVELY (WHEN NOT EQUIPPED IN SPU 4 AND SPU 5). IF SOFTWARE BACKUP DISKS MHD 14/15 ARE REQUIRED AND NOT EQUIPPED IN SPU'S 4/5, THEY WILL BE IN LOCATED SPU'S 24/25 RESPECTIVELY.

F. MHD 6/7 ARE ALWAYS LOCATED IN SPU 18 AND SPU 19.

G. ADDITIONAL PAIRS OF MHDS MUST BE GROWN IN FROM THE RIGHT TO LEFT ON THE APPROPRIATE SCSI BUS.

MHD 8/9 - SCSI BUS 0/1
MHD 10/11 - SCSI BUS 2/3
MHD 12/13 - SCSI BUS 2/3

4) RULES FOR A SECOND SCSI 9 TRACK TAPE DRIVE:

A. THE FIRST SCSI 9 TRACK TAPE DRIVE IS EQUIPPED IN SPU 57 AND WILL BE EQUIPPED ON SCSI BUS 0.

B. IF A SECOND SCSI 9 TRACK TAPE DRIVE IS CHOSEN, IT WILL BE GROWN INTO SPU 56 AND WILL BE EQUIPPED ON SCSI BUS 1.

NOTES FOR INTERNATIONAL APPLICATIONS:

1. REFERENCE SD-3T015-01 AND J3T061A FOR THE RELATIONSHIP BETWEEN THE SPU EQUIPMENT LOCATIONS IN IOP 2 AND IOP 3 AND THE SCSI BUS ASSIGNMENTS THE EQUIPMENT LOCATIONS ARE ASSOCIATED WITH.
2. IT IS POSSIBLE TO EQUIP BOTH EVEN AND ODD NUMBERED SCSI BUSES WITHIN THE IOP 3/SPU GROWTH UNIT.
3. EACH SPU IN A SPU PAIR SHOULD BE ASSIGNED TO A DIFFERENT DFC AND TO A DIFFERENT SBUS.
4. MAGNETIC TAPE ASSIGNMENTS

A. IF MT0 IS A DAT, THEN MT0 IS LOCATED IN SPU 54 AND ASSIGNED TO (DFC 0, SBUS 0).

* IF MT1 IS A DAT, THEN MT1 IS LOCATED IN SPU 5 AND ASSIGNED TO (DFC 1 AND SBUS 1).

* IF MT1 IS A 9 TRACK TAPE, THEN MT1 IS LOCATED IN SPU 57 AND ASSIGNED TO (DFC 1 AND SBUS 1).

B. IF MT0 IS A 9 TRACK TAPE, THEN MT0 IS LOCATED IN SPU 57 AND ASSIGNED TO (DFC 0, SBUS 0).

* IF MT1 IS A DAT, THEN MT1 IS LOCATED IN SPU 5 AND ASSIGNED TO (DFC 1 AND SBUS 1).

* IF MT1 IS A 9 TRACK TAPE, THEN MT1 IS LOCATED IN SPU 56 AND ASSIGNED TO (DFC 1 AND SBUS 1).

C. IF MT2 IS A 9 TRACK TAPE, THEN MT2 IS LOCATED IN SPU 59 AND ASSIGNED TO (DFC 0 AND SBUS 2).

D. IF MT3 IS A 9 TRACK TAPE, THEN MT3 IS LOCATED IN SPU 58 AND ASSIGNED TO (DFC 1 AND SBUS 3).

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE	ISSUE
C2	33M

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EQUIPMENT NOTES (CONT):

211. (CONT) 5E4(2) AND LATER GENERIC IOP PORTS FOR FLEXIBLE ASSIGNMENT. TABLE 2A. (SEE EQPT NOTE: 224)

SYNCHRONOUS DATA LINKS

UNIT	NAME	PROTOCOL	CONTROLLER	NOTES
SDL0	SCAN2	SDL	TN75C/TN1839	
SDL1	–	–	–	
SDL2	MLT2	SDL	TN75C/TN1839	
SDL3	EADAS	SDL	TN75C/TN1839	
SDL4	CTTC	SDL	TN75C	
SDL5	RNMS	SDL	TN75C	4
SDL6	–	–	–	
SDL7	–	–	–	
SDL8	AMADL2	AMA	TN82/TN82B OR TN75C/TN1839	
SDL9	RMAS	NP	TN75C/TN1839	2
SDL11	NO2SES	SDL	TN75C/TN1839	
SDL13	AMADL1	AMA	TN82/TN82B OR TN75C/TN1839	
SDL14	MACOSS	NP	TN75C/TN1839	2
SDL18	OSPSRC	NP	TN75C/TN1839	
SDL20	RMS01	SDL	TN75C/TN1839	
SDL25	TOPAS0	NP	TN75C/TN1839	2
SDL26	TOPAS1	NP	TN75C/TN1839	2
SDL32	APDL01	NP	TN75C/TN1839	2
SDL34	APDL02	NP	TN75C/TN1839	2
SDL36	APDL03	NP	TN75C/TN1839	2
SDL38	APDL04	NP	TN75C/TN1839	2
SDL40	APDL05	NP	TN75C/TN1839	2
SDL42	APDL06	NP	TN75C/TN1839	2

NOTES:

1. ONLY FUNCTIONS WITH SAME PROTOCOL CAN SHARE A CONTROLLER.
2. THIS FUNCTION REQUIRES BOTH PORTS OF CONTROLLER.
3. THE THROUGH PUT OF THE TN75C/TN1839 IS LIMITED TO 9600 BPS TOTAL FOR TWO PORTS.
4. AVAILABLE IN 5E7 OR LATER SOFTWARE RELEASES.

TABLE 2A (CONT)

TTY

UNIT	NAME	LOGICAL DEVICE	CONTROLLER	NOTES
TTY3	UNIX3	ttyd	TN74B	1
TTY4	UNIX1	ttye	TN74B	1
TTY5	UNIX2	ttyf	TN74B	1
TTY6	UNIX4	ttyg	TN74B	1
TTY7	TRAFFPRT	ttyh	TN74B	1
TTY8	SLC96	ttyi	TN74B	1
TTY9	STLWS5	ttyj	TN74B	1
TTY10	STLWS6	ttyk	TN74B	1
TTY11	STLWS1	ttyl	TN74B	1
TTY12	STLWS2	ttym	TN74B	1
TTY13	STLWS3	ttyn	TN74B	1
TTY14	STLWS4	ttyo	TN74B	1
TTY15	RCVRSB	ttyp	TN74B	1
TTY16	RCVNAC	ttyq	TN74B	1
TTY17	ALITRSB	ttyr	TN74B	1
TTY18	RCVSCC1	ttys	TN74B	1
TTY19	RCVSCC2	ttyt	TN74B	1
TTY20	BELTLINEA	ttyu	TN74B	1
TTY21	LOCRCV	ttyv	TN74B	1
TTY22	RMTRCV	ttyw	TN74B	1
TTY28	STLWS7	ttyC	TN74B	1,3
TTY29	STLWS8	ttyD	TN74B	1,3
TTY30	STLWS9	ttyE	TN74B	1,3
TTY31	STLWS10	ttyF	TN74B	1,3
TTY32	STLWS11	ttyG	TN74B	1,3
TTY33	STLWS12	ttyH	TN74B	1,3
TTY34	STLWS13	ttyI	TN74B	1,3
TTY43	OFFRECPRT	ttyR	TN74B	1
TTY45	COT	ttyT	TN74B	1,2
TTY46	BELTLINEB	ttyU	TN74B	1
TTY50	STLWS14	ttyY	TN74B	1,3

NOTES:

1. THE THROUGH PUT OF THE TN74B IS LIMITED TO 9600 BPS TOTAL FOR TWO PORTS.
2. AVAILABLE IN 5E5 OR LATER SOFTWARE RELEASES.
3. AVAILABLE IN 5E7 OR LATER SOFTWARE RELEASES.
4. UNIX TERMINALS ARE USED IN TEST LAB ENVIRONMENT ONLY.

5EE3(2) AND LATER GENERIC IOP PORTS FOR FLEXIBLE ASSIGNMENT. TABLE 2B (SEE EQPT NOTE: 224)

SYNCHRONOUS DATA LINKS

UNIT	NAME	PROTOCOL	CONTROLLER	NOTES
SDL0	SCANS	SDL	TN75C/TN1839	1,2,11
SDL4	TNDC4	NP	TN75C/TN1839	2,7,8,11
SDL6	RCM	SDL	TN75C/TN1839	1,2,11
SDL8	TNDC2	NP	TN75C/TN1839	2,7,8,11
SDL9	TNDC3	NP	TN75C/TN1839	2,7,8,11
SDL10	AMASDL	SDL	TN75C/TN1839	1,2,4,10,11
SDL13	TNDC1	NP	TN75C/TN1839	2,7,8,11
SDL15	AOM	NP	TN75C/TN1839	2,6,11
SDL16	CBCR1	NP	TN75C/TN1839	2,4,11
SDL17	CBCR2	NP	TN75C/TN1839	2,4,11
SDL20	MFOS1	NP	TN75C/TN1839	2,6,11
SDL21	MFOS3	NP	TN75C/TN1839	2,6,11
SDL22	MFOS2	NP	TN75C/TN1839	2,6,11
SDL23	MFOS4	NP	TN75C/TN1839	2,6,11
SDL24	NETSTAR1	NP	TN75C/TN1839	2,11
SDL25	MFOS5	NP	TN75C/TN1839	2,6,11
SDL26	NETSTAR2	NP	TN75C/TN1839	2,11
SDL30	STATUS1	SDL	TN75C/TN1839	1,2,4,11
SDL31	STATUS2	SDL	TN75C/TN1839	1,2,4,11
SDL32	RESD	SDL	TN75C/TN1839	1,2,5,11
SDL35	NMC1S	NP	TN75C/TN1839	2,4,9,11
SDL36	NMC2S	NP	TN75C/TN1839	2,4,9,11
HSD0	CAS1	NP	TN82/TN82B	3,7,12
HSD1	CAS2	NP	TN82/TN82B	3,7,12
HSD2	CAS3	NP	TN82/TN82B	3,7,12
HSD3	CAS4	NP	TN82/TN82B	3,7,12
HSD4	TNDC4H	NP	TN82/TN82B	3,4,7,8,12
HSD5	NMC1	NP	TN82/TN82B	3,4,9,12
HSD6	NMC2	NP	TN82/TN82B	3,4,9,12
HSD8	TNDC2H	NP	TN82/TN82B	3,4,7,8,12
HSD9	TNDC3H	NP	TN82/TN82B	3,4,7,8,12
HSD10	AMAHSD	SDL	TN75C/TN1839	1,2,4,10,11
HSD13	TNDC1H	NP	TN82/TN82B	3,4,7,8,12

1. ONLY ''SDL'' PROTOCOL DATALINKS CAN SHARE A CONTROLLER.
2. THE THROUGH PUT OF THE TN75C/TN1839 IS LIMITED TO 9,600 BPS TOTAL FOR TWO PORTS.
3. THE THROUGHPUT OF THE TN82/TN82B IS LIMITED TO 56,000 BPS.
4. AVAILABLE IN 5EE4(1) OR LATER SOFTWARE RELEASES.
5. AVAILABLE IN 5EE4(2) OR LATER SOFTWARE RELEASES.
6. NO ''MFOS'' AND ''AOM'' CAN CO-EXIST IN THE SAME EXCHANGE.
7. NO ''CAS'' AND ''TNDC'' CAN CO-EXIST ON THE SAME EXCHANGE.
8. ONLY ONE SET OF ''TNDC'' DATA LINKS CAN BE EQUIPPED IN AN EXCHANGE (ALL HIGH SPEED OR LOW SPEED BUT NOT BOTH).
9. ONLY ON SET OF ''NMC'' DATALINKS CAN BE EQUIPPED IN AN EXCHANGE (ALL HIGH SPEED OR LOW SPEED BUT NOT BOTH).
10. ONLY ONE ''AMA'' DATALINK CAN BE EQUIPPED IN AN EXCHANGE. ''SDL10'' IS EQUIPPED IF THE ''AMA'' DATALINK IS 9600 BPS OR LESS, OTHERWISE ''HSD10'' IS EQUIPPED.
11. THE TN75C CIRCUIT PACK IS USED IN 3B20D PROCESSOR APPLICATIONS. THE TN1839 CIRCUIT PACK IS USED IN 3B21D PROCESSOR APPLICATIONS.
12. THE THROUGH PUT OF THE TN1420 IS LINITED TO 64,000 BPS.

TABLE 2B (CONT)

TTY

UNIT	NAME	LOGICAL DEVICE	CONTROLLER	NOTES
TTY1	CDAPRT	ttyb	TN74B	1,2
TTY7	TRAFFPRT	ttyh	TN74B	1
TTY9	STLWS5	ttyj	TN74B	1,3
TTY10	STLWS6	ttyk	TN74B	1,3
TTY11	STLWS1	ttyl	TN74B	1,3
TTY12	STLWS2	ttym	TN74B	1,3
TTY13	STLWS3	ttyn	TN74B	1,3
TTY14	STLWS4	ttyo	TN74B	1,3
TTY18	RSDS1	ttyc	TN74B	1,3,5
TTY19	RSDS2	ttyd	TN74B	1,3,5
TTY20	BELTA	ttyu	TN74B	1,3
TTY21	LOCRCV	ttyv	TN74B	1,3
TTY22	RMTRCV	ttyw	TN74B	1,3
TTY23	ATTSPRT	ttyx	TN74B	1
TTY24	SOPRT	ttyy	TN74B	1,2
TTY43	OFFRECPRT OR BULKPRT	ttyR	TN74B	1,4
TTY46	BELTB	ttyU	TN74B	1,3
TTY50	RSLT1	tty4	TN74B	1,2,3
TTY51	RSLT2	tty5	TN74B	1,2,3
TTY52	RSLT3	tty6	TN74B	1,2,3
TTY53	RSLT4	tty7	TN74B	1,2,3
TTY54	RSLT5	tty8	TN74B	1,2,3
TTY55	RSLT6	tty9	TN74B	1,2,3
TTY56	RSLT7	ttyp	TN74B	1,2,3
TTY57	RSLT8	ttyq	TN74B	1,2,3
TTY58	RSLT9	ttyr	TN74B	1,2,3
TTY59	RSLT10	ttyi	TN74B	1,2,3

NOTES:

1. THE THROUGH PUT OF THE TN74B IS LIMITED TO 9600 BPS TOTAL FOR TWO PORTS.
2. AVAILABLE IN 5EE4(1) OR LATER SOFTWARE RELEASES.
3. THIS TTY PORT (UNIT) IS CUSTOMIZED IN 5EE4(2) AND LATER SOFTWARE RELEASES AND THEREFORE DOES NOT HAVE TO BE ASSIGNED THE FUNCTION DESIGNATED IN THE ''NAME'' COLUMN. THIS ''NAME'' DESIGNATION NEED ONLY BE ASSIGNED IN SOFTWARE RELEASES PRIOR TO 5EE4(2).
4. THE ''OFFRECPRT'' DESIGNATION SHOWN IN THE NAME COLUMN WAS CHANGE TO ''BULKPRT'' FOR 5EE4(2) AND LATER SOFTWARE RELEASES.
5. THESE ASYNCHRONOUS DATALINKS ARE NOT SUPPORTED IN 5EE4(1) AND LATER SOFTWARE RELEASES. ''SDL30'' AND ''SDL31'' (STATUS1 AND STATUS2) TRANSMIT ''RSDS'' DATA INSTEAD FOR 5EE4(1) AND LATER.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 35M

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EQUIPMENT NOTES (CONT):

211. (CONT) IOP PORTS FOR FLEXIBLE ASSIGNMENTS WITH ENHANCED IOP/DFC
TABLE 2C (SEE EQPT NOTE: 224)

SYNCHRONOUS DATA LINKS

UNIT	NAME	PROTOCOL	CONTROLLER	NOTES
SDL0	SCAN2	SDL	UN582	
SDL2	MLT2	SDL	UN582	
SDL3	EADAS	SDL	UN582	
SDL4	CTTC	SDL	UN582	
SDL5	RNMS	SDL	UN582	
SDL8	AMADL2	AMA	UN582	
SDL9	RMAS	NP	UN582	
SDL11	NO2SES	SDL	UN582	
SDL13	AMADL1	AMA	UN582	
SDL14	MACOSS	NP	UN582	
SDL18	OSPSRC	NP	UN582	
SDL20	RMS01	SDL	UN582	
SDL25	TOPAS0	NP	UN582	
SDL26	TOPAS1	NP	UN582	
SDL32	APDL01	NP	UN582	
SDL34	APDL02	NP	UN582	
SDL36	APDL03	NP	UN582	
SDL38	APDL04	NP	UN582	
SDL40	APDL05	NP	UN582	
SDL42	APDL06	NP	UN582	

NOTES:

1. MIXING OF PROTOCOLS IS ALLOWED ON A CONTROLLER.
2. EACH CONTROLLER HAS FOUR PORTS AVAILABLE 0 THRU 3.
3. THE THROUGH PUT OF EACH PORT IS UP TO 64 KBS.
4. IF ANY PORT ON A CONTROLLER IS CONFIGURED FOR HIGH SPEED, THEN THE CONTROLLER MUST BE CONFIGURED FOR HIGH SPEED.
5. AVAILABLE WITH 5E10 OR LATER GENERIC.

TTY

UNIT	NAME	LOGICAL DEVICE	CONTROLLER	NOTES
TTY3	UNIX3	ttyd	UN582	4
TTY4	UNIX1	ttye	UN582	4
TTY5	UNIX2	ttyf	UN582	4
TTY6	UNIX4	ttyg	UN582	4
TTY7	TRAFFPRT	ttyh	UN582	
TTY8	SLC96	ttyi	UN582	
TTY9	STLWS5	ttyj	UN582	
TTY10	STLWS6	ttyk	UN582	
TTY11	STLWS1	ttyl	UN582	
TTY12	STLWS2	ttym	UN582	
TTY13	STLWS3	ttyn	UN582	
TTY14	STLWS4	ttyo	UN582	
TTY15	RCVRSB	ttyp	UN582	
TTY16	RCVNAC	ttyq	UN582	
TTY17	ALITRSB	ttyr	UN582	
TTY18	RCVSCC1	ttys	UN582	
TTY19	RCVSCC2	ttyt	UN582	
TTY20	BELTLINEA	ttyu	UN582	
TTY21	LOCRCV	ttyv	UN582	
TTY22	RMTRCV	ttyw	UN582	
TTY28	STLWS7	ttyC	UN582	
TTY29	STLWS8	ttyD	UN582	
TTY30	STLWS9	ttyE	UN582	
TTY31	STLWS10	ttyF	UN582	
TTY32	STLWS11	ttyG	UN582	
TTY33	STLWS12	ttyH	UN582	
TTY34	STLWS13	ttyI	UN582	
TTY43	OFFRECPRT	ttyR	UN582	
TTY45	COT	ttyT	UN582	
TTY46	BELTLINEB	ttyU	UN582	
TTY50	STLWS14	ttyY	UN582	

NOTES:

1. THE THROUGH PUT OF EACH PORT IS UP TO 9600 BPS.
2. A STLWS OR RCV TTY THAT IS EQUIPPED WITH AN "AUX PRINTER" REQUIRES TWO PORTS ON A CONTROLLER.
3. AVAILABLE WITH 5E10 OR LATER GENERIC.
4. UNIX TERMINALS ARE USED IN TEST LAB ENVIRONMENT ONLY.

INTERNATIONAL APPLICATION
IOP PORTS FOR FLEXIBLE ASSIGNMENTS WITH ENHANCED IOP/DFC
TABLE 2D (SEE EQPT NOTE: 224)

SYNCHRONOUS DATA LINKS

UNIT	NAME	PROTOCOL	CONTROLLER	NOTES
SDL0	SCANS	SDL	UN582	
SDL4	TNDC4	NP	UN582	
SDL6	RCM	SDL	UN582	
SDL8	TNDC2	NP	UN582	
SDL9	TNDC3	NP	UN582	
SDL10	AMASDL	SDL	UN582	
SDL13	TNDC1	NP	UN582	
SDL15	A0M	NP	UN582	
SDL16	CBCR1	NP	UN582	
SDL17	CBCR2	NP	UN582	
SDL20	MFOS1	NP	UN582	
SDL21	MFOS3	NP	UN582	
SDL22	MFOS2	NP	UN582	
SDL23	MFOS4	NP	UN582	
SDL24	NETSTAR1	NP	UN582	
SDL25	MFOS5	NP	UN582	
SDL26	NETSTAR2	NP	UN582	
SDL30	STATUS1	SDL	UN582	
SDL31	STATUS2	SDL	UN582	
SDL32	RESD	SDL	UN582	
SDL35	NMC1S	NP	UN582	
SDL36	NMC2S	NP	UN582	
HSD0	CAS1	NP	UN582	
HSD1	CAS2	NP	UN582	
HSD2	CAS3	NP	UN582	
HSD3	CAS4	NP	UN582	
HSD4	TNDC4H	NP	UN582	
HSD5	NMC1	NP	UN582	
HSD6	NMC2	NP	UN582	
HSD8	TNDC2H	NP	UN582	
HSD9	TNDC3H	NP	UN582	
HSD10	AMAHSD	SDL	UN582	
HSD13	TNDC1H	NP	UN582	

1. EACH CONTROLLER HAS FOUR PORTS AVAILABLE 0 THRU 3.
2. THE THROUGH PUT OF EACH PORT IS UP TO 64 KBS.
3. AVAILABLE WITH 5EE7.1 OR LATER GENERIC.
4. MIXING OF PROTOCOLS IS ALLOWED ON A CONTROLLER.
5. IF ANY PORT ON A CONTROLLER IS CONFIGURED FOR HIGH SPEED, THEN THE CONTROLLER MUST BE CONFIGURED FOR HIGH SPEED.

TTY

UNIT	NAME	LOGICAL DEVICE	CONTROLLER	NOTES
TTY1	CDAPRT	ttyb	UN582	
TTY7	TRAFFPRT	ttyh	UN582	
TTY9	STLWS5	ttyj	UN582	
TTY10	STLWS6	ttyk	UN582	
TTY11	STLWS1	ttyl	UN582	
TTY12	STLWS2	ttym	UN582	
TTY13	STLWS3	ttyn	UN582	
TTY14	STLWS4	ttyo	UN582	
TTY18	RSDS1	ttyc	UN582	
TTY19	RSDS2	ttyd	UN582	
TTY20	BELTA	ttyu	UN582	
TTY21	LOCRCV	ttyv	UN582	
TTY22	RMTRCV	ttyw	UN582	
TTY23	ATTSPRT	ttyx	UN582	
TTY24	SOPRT	ttyy	UN582	
TTY43	OFFRECPRT OR BULKPRT	ttyR	UN582	
TTY46	BELTB	ttyU	UN582	
TTY50	RSLT1	tty4	UN582	
TTY51	RSLT2	tty5	UN582	
TTY52	RSLT3	tty6	UN582	
TTY53	RSLT4	tty7	UN582	
TTY54	RSLT5	tty8	UN582	
TTY55	RSLT6	tty9	UN582	
TTY56	RSLT7	ttyp	UN582	
TTY57	RSLT8	ttyq	UN582	
TTY58	RSLT9	ttyr	UN582	
TTY59	RSLT10	ttyi	UN582	

NOTES:

1. THE THROUGH PUT OF EACH PORT IS UP TO 19200 BSP
2. AVAILABLE WITH 5EE7.1 OR LATER GENERIC.
3. A STLWS OR RCV TTY THAT IS EQUIPPED WITH AN "AUX PRINTER" REQUIRES TWO PORTS ON A CONTROLLER.

TABLE 2E. (APPLIES TO BOTH TABLE 2C & 2D)

UN582				
PHYS INTERFACE	LAYER 1 NET-2 COMPLIANCE	PORTS	MAX. SPEED	REMARKS
SYNC RS449/ RS232	NO (RS232)	1 TO 4	19.2 KBS EA.	SAME UN582 CAN HAVE A MIX OF RS449, RS232, V.35 AND V.36
V.35	NO	1 TO 4	64 KBS EA.	
V.36	YES (NEW CABLE)	1 TO 4	64 KBS EA.	
ASYNC RS232		4	9.6 KBS EA.	

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE C2 | ISSUE 35M

Lucent Technologies | SD-5D014-02 | SHEET D20A

EQUIPMENT NOTE (CONT):

212. TABLE CB 3B20D DUAL SERIAL CHANNEL ASSIGNMENTS

DSCH		LOCATION		ASSIGN TO	NOTES
CHAN	SUB	EQL	TERM		
11	00	( )51-080	151	DFC-0	1
	01		145	DFC-1	
	02		351	IOP-0	
	03		345	IOP-1	
	04		551	MSG-0 (CM2-0)	
	05		545	MSG-1 (CM2-1)	
	06		138	IOP-2	
	07		132	IOP-3	
	08		338	DFC-2	
	09		332	DFC-3	
	10		538		
	11		532		
	12		219		
	13		213		
	14		419		
	15		413		
12	00	( )51-104	151	CM2-0	2,3,4,
	01		145	CM2-1	5,6
	02		351	RPC-0 (CNI)	
	03		345	RCP-1 (CNI)	
	04		551	DLN-0 (CNI)	11
	05		545	DLN-1 (CNI)	
	06		138		
	07		132		
	08		338		
	09		332		
	10		538		
	11		532		
	12		219		
	13		213		
	14		419		
	15		413		

TABLE CC 3B21D DUAL SERIAL CHANNEL ASSIGNMENTS

DMA 0

DSCH		LOCATION		ASSIGN TO	NOTES
CHAN	SUB	EQL	TERM		
11	00	028-075 AND 053-075	351	IOP-0	7,8,9
	01		345	IOP-2	
	02		338	DFC-0	
	03		332	3B21D (RESERVED)	
12	00	028-075 AND 053-075	151	MSG-0 (CM2 & CM2C)	8,9
	01		145	RPCM00-0 (CNI)	
	02		138	RPCD32-2 (CNI)	
	03		132	SPARE	
13	00	028-075 AND 053-075	319	IOP-1	7,8,9
	01		313	IOP-3	
	02		306	DFC-1	
	03		300	3B21D (RESERVED)	
14	00	028-075 AND 053-075	119	MSG-1 (CM2 & CM2C)	8,9
	01		113	RPCM32-0 (CNI)	
	02		106	RPCD00-2 (CNI)	
	03		100	SPARE	

DMA 1

DSCH		LOCATION		ASSIGN TO	NOTES
CHAN	SUB	EQL	TERM		
16	00	028-065 AND 053-065	351	MSG-0 (CM2)	8,9,10
	01		345		8,9
	02		338		
	03		332		
17	00	028-065 AND 053-065	151		8,9
	01		145		
	02		138		
	03		132		
18	00	028-065 AND 053-065	319	MSG-1 (CM2)	8,9,10
	01		313		8,9
	02		306		
	03		300		
19	00	028-065 AND 053-065	119		8,9
	01		113		
	02		106		
	03		100		

213. INTERRUPT CROSS CONNECTION WIRING REQUIREMENTS FOR 3B20D MODEL 2 & 3.

CROSS CONNECT TO INTERRUPT SOURCE REGISTER BITS ACCORDING TO 5ESS® REQUIREMENTS

IO & DMAC CHAN INTERRUPT SOURCES		
IO CKT	NET NAME	CPU UNIT SD-4C078-01 TERM FIELD
CH10	INT 100	( )60-065-047
CH11	INT 110	( )60-091-049
CH12	INT 120	( )60-065-048
CH15	INT 150	( )60-065-049
CH16	INT 160	( )60-065-050
CH17	INT 170	( )60-065-051
CH00	INT 000	( )60-091-050
	SER 000	( )60-091-051
CH01	INT 010	( )60-091-052
	SER 010	( )60-091-053
CH02	INT 020	( )60-091-054
	SER 020	( )60-091-055
CH03	INT 030	( )60-065-045
	SER 030	( )60-065-046

* * *

INTERRUPT SOURCE REGISTER BITS		
CPU UNIT SD-4C098-01 CKT PACK EQL	NET NAME	CKT PACK
( )60-084-435	SIS040	UN2B (SREG0)
( )60-084-428	SIS060	
( )60-084-440	SIS070	
( )60-084-442	SIS090	
( )60-084-443	SIS100	
( )60-084-444	SIS110	
( )60-084-445	SIS120	
( )60-084-446	SIS130	
( )60-084-447	SIS140	
( )60-084-448	SIS150	

CROSS CONNECT INTERRUPT SOURCES ACCORDING TO 5ESS® REQUIREMENTS

(*) DMERT FIXED ASSIGNMENT, CH 11 (INT 110), 060-091-049 CROSS CONNECTION TO INTERRUPT SOURCE BIT (SIS100). 060-084-443 IS ALWAYS FURNISHED IN UNIT SD AS NET 'SIS100'.

(**) THIS WIRE MUST BE PROVIDED BY 5ESS® WHEN AND ONLY WHEN CHANNEL 12 IS EQUIPPED.

EQUIPMENT NOTES (CONT):

214. IN 3B20D PROCESSORS EQUIPPED WITH 340MB MHDS, A DISTINCTION MUST BE DRAWN BETWEEN DISK POSITION NUMBER AND A DISK'S LOGICAL I.D. NUMBER. DISK POSITION NUMBERS ARE ABSOLUTE AND ARE SHOWN BELOW:

T/DC 0 T/DC 1 T/DC 2

TAPE		TAPE		POS 13	POS 15
				POS 12	POS 14
POS 1	POS 3	POS 5	POS 7	POS 9	POS 11
POS 0	POS 2	POS 4	POS 6	POS 8	POS 10

TWO TAPE DRIVES

T/DC 0 T/DC 1 T/DC 2

TAPE		POS 9	POS 11		
		POS 8	POS 10		
POS 1	POS 3	POS 5	POS 7	POS 13	POS 15
POS 0	POS 2	POS 4	POS 6	POS 12	POS 14

ONE TAPE DRIVE

DISKS ARE ALWAYS EQUIPPED SEQUENTIALLY BY DISK POSITION. DISKS ARE CABLED INTO THE SYSTEM (CONTROL, DATA, SCSD) BY DISK POSITION NUMBER. DISK LOGICAL I.D. NUMBERS ARE DETERMINED BY THE I.D. PLUG POPULATED IN EACH DISK.

215. TO PROVIDE THE SOFTWARE BACK-UP DISK CAPABILITY, POPULATE THE NEXT SEQUENTIAL DISK POSITION(S) AND EQUIP WITH THE HIGHEST NUMBERED I.D. PLUG(S) CORRESPONDING TO LOGICAL DISK NUMBER(S) 14 AND/OR 15. DISK 14 CAN BACK-UP ANY EVEN NUMBERED DISK WHILE DISK 15 CAN BACK-UP ANY ODD NUMBERED DISK.

216. WHEN THE 5ESS® SWITCHING SYSTEM LINE UNITS ARE EQUIPPED WITH INTERNAL SECONDARY PROTECTION (ISP) ON TN1058 CIRCUIT PACKS, SPECIAL LINE CONDITIONING IS REQUIRED WHEN LINES TERMINATED ON THE 5ESS® SWITCH ARE CROSS CONNECTED TO ANOTHER SWITCHING SYSTEM DURING CUTOVER PROCEDURES. REFER TO "5ESS® SWITCH INSTALLATION PLANNING DOCUMENT: PLANNING INFORMATION FOR TN105B INTERFERENCE SUPPRESSION", AND CN0289 NW FOR DETAILED INFORMATION.

NOTES:

1. FIXED ASSIGNED BY DMERT.
2. IN ALL DOMESTIC 5ESS SWITCHING SYSTEM APPLICATIONS WITH GREATER THAN 56 SM'S TOTAL (SM'S + REMOTE SM'S) OR IN APPLICATIONS UTILIZING A COMMON NETWORK INTERFACE CABINET (CNI) THE CM2 WILL BE ASSIGNED TO DSCH 12, SUBCHANNELS 00 AND 01.
3. MSCU2 BACKPLANE WIRING LIST 'V' OR 'Y' IS REQUIRED WHEN CM2 IS ASSIGNED TO DSCH 12. OPTION 'V' IS USED FOR THE MLB BACKPLANE (ED5D635-30) AND OPTION 'Y' IS USED FOR THE WIREWRAP BACKPLANE (ED-5D571-30). REFER TO SD-5D077-01 FOR DETAILED INFORMATION.
4. DOMESTIC 5ESS SWITCHING SYSTEM APPLICATIONS EQUIPPED WITH CM2 WITH LESS THAN 56 SM'S MAY OPTIONALLY EQUIP DSCH 12 WITH CM2 ASSIGNED TO SUBCHANNELS 00 AND 01 IF THE OFFICE IS EXPECTED TO GROW BEYOND 56 SM'S.
5. IN ALL EXPORT 5ESS SWITCHING SYSTEM APPLICATIONS WITH GREATER THAN 32 SM'S TOTAL (SM'S + REMOTE SM'S) OR IN APPLICATIONS UTILIZING A COMMON NETWORK INTERFACE CABINET (CNI). THE CM2 WILL BE ASSIGNED TO DSCH 12, SUBCHANNELS 00 AND 01.
6. EXPORT 5ESS SWITCHING SYSTEM APPLICATIONS EQUIPPED WITH CM2 WITH LESS THAN 32 SM'S MAY OPTIONALLY EQUIP DSCH 12 WITH CM2 ASSIGNED TO SUBCHANNELS 00 AND 01 IF THE OFFICE IS EXPECTED TO GROW BEYOND 32 SM'S.
7. FIXED ASSIGNED BY RTR.
8. EQLS 028-065 AND 028-075 CORRESPOND TO PROC 0.
9. EQLS 053-065 AND 053-075 CORRESPOND TO PROC 1.
10. USED IN INTERNATIONAL 5ESS SWITCHING APPLICATIONS WHICH ARE EXPECTED TO MEET OR EXCEED 400,000 BUSY HOUR CALL ATTEMPTS.
11. DLN USAGE IS NOT AVAILABLE WITH CM1 (MSG0 AND MSG1) AND IS ONLY AVAILABLE WITH CM2.

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2 | ISSUE: 33M

Lucent Technologies | SD-5D014-02 | SHEET: D21

EQUIPMENT NOTES (CONT):

217A. THE FOLLOWING FIGURES REPRESENT THE SIX RING NODE CONFIGURATIONS SUPPORTED BY 5ESS SYSTEM HARDWARE FOR CNI APPLICATIONS WHICH USE THE J3F011C RING NODE CABINET. NODE POSITION 2 MAY BE LEFT UNEQUIPPED OR EQUIPPED WITH A DLN ONLY. A LN OR IUN IS NOT SUPPORTED IN NODE POSITION 2.

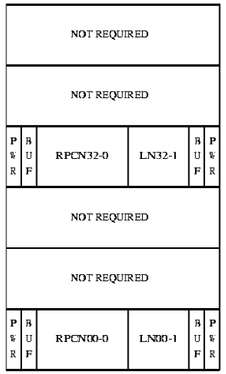

FIG. 1
RING WITH ONE LINK PAIR AND NO DLNS

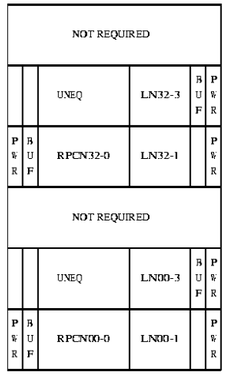

FIG. 3
RING WITH TWO LINK PAIR AND NO DLNS

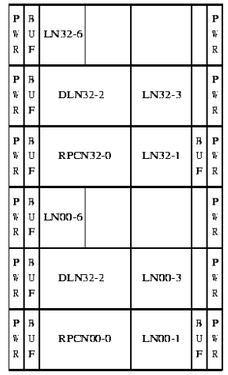

FIG. 5
RING WITH THREE LINKS AND DLNS

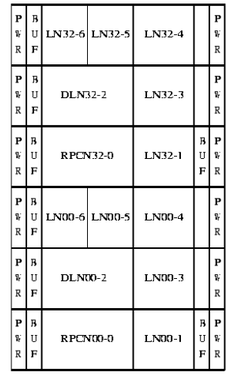

FIG. 7
FULLY EQUIPPED RING

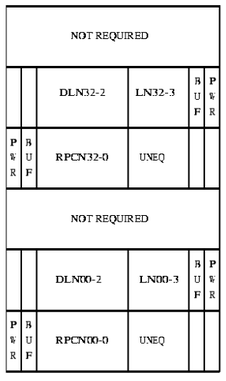

FIG. 2
RING WITH ONE LINK PAIR AND DLNS

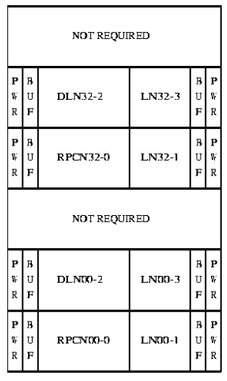

FIG. 4
RING WITH TWO LINK PAIRS AND DLNS

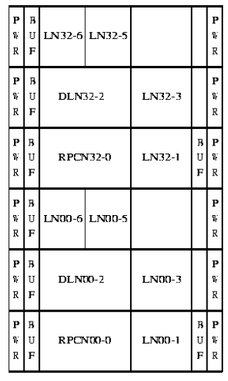

FIG. 6
RING WITH FOUR LINKS AND DLNS

217B. THE FOLLOWING FIGURES REPRESENT THE VARIOUS RING NODE CONFIGURATIONS SUPPORTED BY 5ESS SYSTEM HARDWARE FOR CNI APPLICATIONS OF A 5E9(2) SOFTWARE RELEASE OR LATER AND USING THE J3F011C-2 RING NODE CABINET. LINK NODE POSITIONS LN00-4 & LN32-4 MAY BE EQUIPPED WITH A IUN IN APPLICATIONS WHICH CONVERT FROM A J3F011C-1 RING NODE CABINET TO A J3F011C-2 RING NODE CABINET.

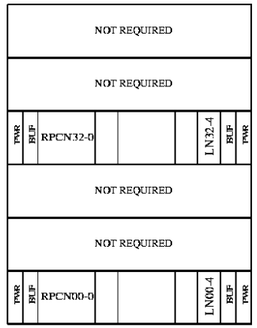

FIG. 1
RING WITH ONE LINK PAIR

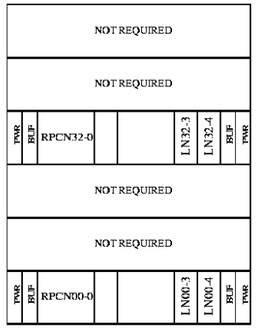

FIG. 2
RING WITH TWO LINK PAIRS

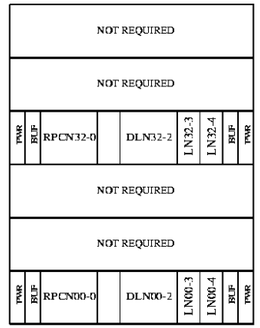

FIG. 3
RING WITH TWO LINK PAIRS AND DLNS

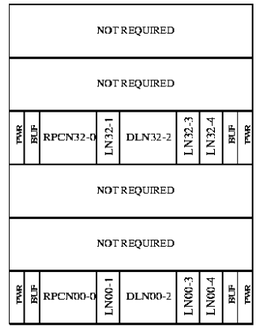

FIG. 4
RING WITH THREE LINK PAIRS AND DLNS

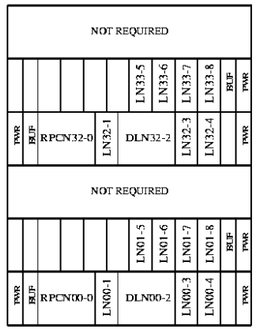

FIG. 5
RING WITH UP TO SEVEN LINK PAIRS AND DLNS

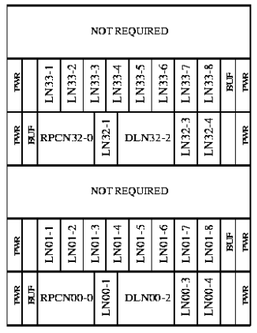

FIG. 6
RING WITH UP TO ELEVEN LINK PAIRS AND DLNS

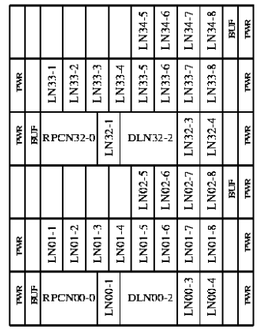

FIG. 7
RING WITH UP TO FIFTEEN LINK PAIRS AND DLNS

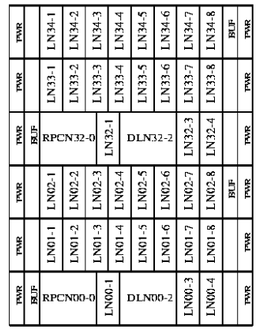

FIG. 8
RING WITH UP TO NINETEEN LINK PAIRS AND DLNS

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

Lucent Technologies
SD-5D014-02
SHEET: D22

EQUIPMENT NOTES (CONT):

218. THE DISK POSITION NUMBER AND DISK LOGICAL I.D. NUMBER ARE THE SAME IN SCSI APPLICATIONS.

SCSI DISKS UNITS ARE ALWAYS EQUIPPED SEQUENTIALLY (0-31) EXCEPT IN MIXED APPLICATIONS (WHERE SCSI DISK UNITS ARE GROWN ONTO A 3B20D MODEL 3 PROCESSOR EQUIPPED WITH 340MB MHDS) OR IN APPLICATIONS WHERE DISKS 14 & 15 ARE USED FOR BACK-UP PURPOSES IN MIXED APPLICATIONS, DISK LOGICAL I,D, NUMBERS ASSIGNED TO 340MB MHDS ARE NOT REASSIGNED OR USED WITH THE SCSI MHDS. THESE LOGICAL I.D. NUMBERS (POSITION NUMBERS) ARE NOT USED IN THE SCSI DISK CABINET.

IN MIXED APPLICATIONS, NO MORE THAN 16 DISKS TOTAL (DISK LOGICAL I.D. NUMBERS 0-15) MAY BE EQUIPPED. THESE DISKS MAY BE COMPRISED OF BOTH 340MB MHDS AND SCSI DISK UNITS. IT IS PERMISSIBLE TO EQUIP 340MB MHDS, SCSI (322 MB) DISK UNITS, AND SCSI (600 MB) DISK UNITS IN MIXED APPLICATIONS. IT IS PERMISSIBLE TO EQUIP SCSI (322 MB) DISK UNITS & SCSI (600 MB) DISK UNITS IN CONVERSION APPLICATIONS OF OFFICES SHIPPED WITH SCSI DISK UNITS.

SCSI DISK POSITIONS AVAILABLE FOR USE

SDC 0 OR SDC 1

DFC UNIT (0 & 1) OR DFC UNIT (2 & 3)

DISK 12	DISK 13
DISK 10	DISK 11
DISK 6	DISK 7
DISK 2	DISK 3
DISK 14	DISK 15
DISK 8	DISK 9
DISK 4	DISK 5
DISK 0	DISK 1

MIXED OFFICES (340MB WITH SCSI DISKS)

SDC 0

DFC UNIT (0 & 1)

DISK 12	DISK 13
DISK 10	DISK 11
DISK 6	DISK 7
DISK 2	DISK 3
DISK 14	DISK 15
DISK 8	DISK 9
DISK 4	DISK 5
DISK 0	DISK 1

SDC 1

DFC UNIT (2 & 3)

DISK 30	DISK 31
DISK 26	DISK 27
DISK 22	DISK 23
DISK 18	DISK 19
DISK 28	DISK 29
DISK 24	DISK 25
DISK 20	DISK 21
DISK 16	DISK 17

CONVERTED OFFICES (340MB TO SCSI DISKS)

SDC 0

TAPE UNIT

DISK 12	DISK 13
DISK 10	DISK 11
DISK 6	DISK 7
DISK 2	DISK 3
DISK 14	DISK 15
DISK 8	DISK 9
DISK 4	DISK 5
DISK 0	DISK 1

SDC 1

DFC UNIT (2 & 3)

DISK 30	DISK 31
DISK 26	DISK 27
DISK 22	DISK 23
DISK 18	DISK 19
DISK 28	DISK 29
DISK 24	DISK 25
DISK 20	DISK 21
DISK 16	DISK 17

(OFFICES SHIPPED WITH SCSI)

219. IN ORDER TO PROVIDE THE SOFTWARE BACK-UP DISK AND SPARING DISK CAPABILITY IN SCSI APPLICATIONS, EQUIP DISK POSITIONS 14 AND 15. DISK 14 AND 15 CAN BE USED IN BACK-UP DISK 0 AND DISK 1 RESPECTIVELY. DISK 14 CAN BE USED TO SPARE ANY EVEN NUMBERED DISK WHILE DISK 15 CAN BE USED TO SPARE ANY ODD NUMBERED DISK. IN MIXED APPLICATIONS, IN WHICH SCSI DISK UNITS ARE GROWN ONTO A 3B20D MODEL 3 PROCESSOR EQUIPPED WITH 340 MB MHDS, DISKS 14 AND 15 CAN BE ASSIGNED AS EITHER (322 MB) DISK UNITS, OR SCSI (600 MB) DISK UNITS. WHEN USED FOR BACK-UP OR SPARING PURPOSES, DISKS 14 & 15 MUST BE OF THE SAME DISK TYPE AS THE DISKS WHICH THEY ARE BEING USED TO BACK-UP OR SPARE. IN ORDER TO PROVIDE SCAN AND SD POINTS FOR DISK 14 & 15, A SCAN PACK MUST BE EQUIPPED IN IOP-0 PC30, OR IOP-2 PC13.

EQUIPMENT NOTES (CONT):

220. THE FOLLOWING TABLE PROVIDES THE MINIMUM AND MAXIMUM ADMINISTRATIVE MODULE (AM) MEMORY REQUIREMENTS FOR VARIOUS SOFTWARE RELEASES.

SOFTWARE RELEASE	NON-CNI OFFICES (MINIMUM EQUIPAGE)	CNI OFFICES (MINIMUM EQUIPAGE)	NON-CNI OFFICES (MAXIMUM EQUIPAGE)	CNI OFFICES (MAXIMUM EQUIPAGE)
5E2(1)	16 MB	16 MB	16 MB	16 MB
5E2(2)	22 MB	24 MB	32 MB	32 MB
5E3	26 MB	28 MB	32 MB	32 MB
5E4(2)	30 MB	30 MB	32 MB	32 MB
5E5	32 MB	32 MB	36 MB	36 MB
5E6	32 MB	32 MB	36 MB	36 MB
5E7	32 MB	32 MB	36 MB	36 MB
5E8	32MB	32MB	36MB	36MB
5E9	40MB	40MB	40MB	40MB
5E10	40MB	40MB	40MB	40MB
5E11	48MB	48MB	48MB	48MB
5E12	48MB	48MB	48MB	48MB

221. THIS HARDWARE, WHICH IS REQUIRED FOR VLMM, CAN BE INSTALLED PRIOR TO THE 5E5 SOFTWARE RELEASE (WHICH INTRODUCED THE VLMM FEATURE). IN SOFTWARE RELEASE APPLICATIONS PRIOR TO 5E5, THE VLMM FEATURE WILL NOT BE OPERATIONAL.

222. THE VLMM FEATURE WILL ONLY OPERATE IN A SOFTWARE RELEASE OF 5E5 OR LATER.

EQUIPMENT NOTES (CONT):

223. EQUIPAGE AND DFC ASSIGNMENTS FOR THE 3B21D PROCESSOR SPUS.

SPU NO	SPU EQL	DEVICE TYPE	DFC NO	DFC SUB
00	28-162	MHD-0	0	0
01	53-162	MHD-1	1	1
02	19-170	MHD-2 OR MT	0	2
03	45-170	MHD-3 OR MT	1	3
04	28-146	MHD OR MT OR PCS	0	0
05	53-146	MHD OR MT OR PCS	1	1
19	62-180	MHD OR MT	1	1**
			1	3
21	62-164	MHD OR MT OR PCS	0	0**
			1	1
23	62-148	MHD OR MT OR PCS	1	1**
			1	3
25	62-132	MHD OR MT OR PCS	0	0**
			1	1
27	62-116	MHD OR MT OR PCS	1	1**
			1	3
18	11-180	MHD OR MT	0	2
20	11-164	MHD OR MT OR PCS	0	0
22	11-148	MHD OR MT OR PCS	0	2
24	11-132	MHD OR MT OR PCS	0	0
26	11-116	MHD OR MT OR PCS	0	2
54	19-186	MT	0	0
56	B56-19	MT/9-TRACK	0-1	0-3***
57	B57-45	MT/9-TRACK	0-1	0-3***
58	C58-19	MT/9-TRACK	0-1	0-3***
59	C59-45	MT/9-TRACK	0-1	0-3***

MHD = MOVING HEAD DISK (UN375)
MT = MAGNETIC TAPE (UN376)
PC = PERIPHERAL CONTROLLERS (EG. UN33D, TN74B, TN1839, ETC.)

NOTES:

** - SBUS ASSIGNMENT FOR 5EI/US APPLICATIONS ONLY. THIS SBUS ASSIGNMENT IS USED WHEN MHD/MT ARE GROWN IN A SINGLE GROWTH UNIT ABOVE PROCESSOR 1 (TOP PORTION OF THE CABINET).

*** - 9-TRACK TAPES CAN BE CONNECTED TO DFC 0 OR 1 (I.E. SCSI BUS 0 OR 1 OR 2 OR 3) USING A SINGLE CABLE.

224. 3B21D PROCESSORS CAN NOT MIX:
UN582 WITH TN74B, TN75C, TN82, TN82B, OR TN1839
UN583 WITH TN983
UN933 WITH UN33B

APPLICATION SCHEMATIC FOR 5ESS SYSTEM (6 FT CABINETS)

DWG SIZE: C2
ISSUE: 35M

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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.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WRG	QUANTITY

INFORMATION NOTES (CONT):

304. THE 5 ESS SYSTEM USING THE 3B20D MODEL 2
(BOTH WITH 6 FOOT CABINETS) CONTAINS THE FOLLOWING
SYSTEM AND CABINET LEVEL CIRCUITS:

SD-4C122-01	3B20D MODEL 2 AND MODEL 3	SYSTEM	6 FOOT 3B20D MODEL 2, MODEL 3
SD-5D004-01	5 ESS	SYSTEM	AC POWER DISTRIBUTION
SD-5D005-01	5 ESS	SYSTEM	DC POWER DISTRIBUTION
SD-5D007-01	5 ESS	SYSTEM	NO. 5 ESS ASSIGNMENT RULES
SD-5D071-01	5 ESS	SYSTEM	OPERATIONAL SUPPORT SYSTEMS
SD-5D012-01	5 ESS	SYSTEM	SWITCHING MODULE APPLICATION SCHEMATIC
SD-5D014-02	5 ESS	SYSTEM	NO. 5 ESS SYSTEM APPLICATION SCHEMATIC
SD-5D133-01	5 ESS	SYSTEM	REMOTE APPLICATION SCHEMATIC
SD-5D135-01	5 ESS	SYSTEM	OPERATOR SERVICES POSITION SYSTEM APPLICATION SCHEMATIC
SD-5D518-01	5 ESS	SYSTEM	SWITCHING MODULE 2000 APPLICATION SCHEMATIC
SD-1C956-01	ESS COMMON	SYSTEM	APPLICATION SCHEMATIC FOR 1AESS ADVANCED COMMUNICATIONS PACKAGE AND 5ESS APPLICATIONS PROCESSOR (ACP/AP)
SD-5D101-01	5 ESS	CABINET	MASTER CONTROL CONSOLE (MCC)
SD-5D114-01	5 ESS	CABINET	MASTER CONTROL CABINET (MCC)
SD-5D118-01	5 ESS	CABINET	SWITCHING MODULE CONTROL CABINET (SMC)
SD-5D119-01	5 ESS	CABINET	LINE TRUNK PERIPHERAL CABINET (LTP)
SD-5D130-01	5 ESS	CABINET	MISCELLANEOUS CABINET (M)
SD-5D146-01	5 ESS	CABINET	MESSAGE SWITCH CABINET (MSG)
SD-5D147-01	5 ESS	CABINET	TIME MULTIPLEXED SWITCH CABINET (TMS)
SD-5D123-01	5 ESS	CABINET	REMOTE INTEGRATED SERVICES LINE UNIT (RISLU)

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

APPLICATION SCHEMATIC FOR
5ESS SYSTEM
(6 FT CABINETS)

DWG SIZE: C2
ISSUE: 33M

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