

CONTENTS	SHEET NO.		SHEET ISSUE NO.
	PRIOR TO ISSUE 3B	CURRENT ISSUE	
SHEET INDEX SUPPORTING INFORMATION	A1	A1	7
AS-1 5ESS SWITCHING SYSTEM CABINET DETAILS			
21" DEEP CABINET CROSS SECTION (ED5D187-74 GROUPS 1-12, 2A, 4A-12A)	B1	B1	7
21" DEEP CABINET CROSS SECTION (ED5D184-74 GROUPS 1B-12B)	—	B1A	7
30" DEEP CABINET CROSS SECTION	B2	B2	7
MCC CONSOLE OUTLINE	B3	B3	7
CABINET DOOR SWING	B4	B4A*	7
444 LINE PRINTER	—	B4B	7
HIGHGATE MODULE DETAIL	—	B4C	7
HIGHGATE MODULE (DOOR SWING)	—	B4D	7
AS-2 5ESS SWITCHING SYSTEM FLOORPLAN DATA			
COMMUNICATIONS MODULE, MODEL 2	B5	B5	7
MESSAGE SWITCH CABINET	B6	B6	7
TIME MULTIPLEXED SWITCH	B7	B7	7
LINE AND TRUNK PERIPHERAL CABINET	B8	B8	7
SWITCHING MODULE CONTROL CABINET	B9A*	B9A*	7
MODEM POOL CABINET	B9B	B9B	7
DATA SET CABINET	B10	B10	7
LINE INTERFACE CABINET	B11	B11	7
MASTER CONTROL CENTER/ SUPPLEMENTARY TRUNK AND LINE WORK STATION (CABINET)	B12	B12	7
MASTER CONTROL CENTER/ SUPPLEMENTARY TRUNK AND LINE WORK STATION (CONSOLE)	B13	B13	7
MISCELLANEOUS CABINET	B14	B14	7
POWER DISTRIBUTION CABINET	B15	B15	7
DISK POWER CABINET	B16	B16	7
MOVING HEAD DISK	B17	B17	7
	B18	B18	7
	B19	B19	7
	B20	B20	7
PERIPHERAL INTERFACE CABINET	B20	B20	7
PROCESSOR CONTROL CABINET	B21	B21	7
TAPE UNIT CABINET	B22	B22	7
TAPE/DISK CABINET	B23	B23	7
OPERATOR SERVICES CONTROL DATA SET CABINET	B24	B24	7
REMOTE INTEGRATED SERVICES LINE UNIT CABINET	B25	B25	7
DIGITAL FACILITY ACCESS	B26	B26	7
RING NODE CABINET	B27	B27A*	7
SCSI DISK CABINET	—	B27B	7
	—	B27C	7
	—	B27D	7
	—	B27E	7
HIGHGATE MODULE CABINET	—	B27F	7

\* - SECTION B SHEETS WITH SUFFIX A WERE FORMERLY WITHOUT A SUFFIX LETTER.

SHEET INDEX					
CONTENTS	SHEET NO.		SHEET ISSUE NO.		
	PRIOR TO ISSUE 3B	CURRENT ISSUE			
AS-3 AISLE NUMBERING	B28	B28	7		
AS-4 AISLE SPACING	B29	B29	7		
	B30	B30	7		
AS-5 COLUMNS AND COLUMN SPACING	B31	B31	7		
AS-6 TYPICAL FLOORPLANS					
SINGLE SM - 3B20D, MODEL 2 PROCESSOR	B32	B32	7		
	B33	B33	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH 340MB MHDS)	B34	B34A*	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH 340MB MHDS)	B35	B34B	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH SCSI MHDS)	—	B34C	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH SCSI MHDS)	—	B35A*	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH 340MB MHDS AND HMC)	—	B35B	7		
SINGLE SM - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH SCSI MHDS AND HMC)	—	B35C	7		
MULTIMODULE - 3B20D, MODEL 2 PROCESSOR	B36	B36	7		
MULTIMODULE - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH 340MB MHDS)	B37	B37A*	7		
MULTIMODULE - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH SCSI MHDS)	—	B37B	7		
MULTIMODULE - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH SCSI MHDS AND HMC)	—	B37C	7		
MULTIMODULE - 3B20D, MODEL 3 PROCESSOR (EQUIPPED WITH 340MB MHDS AND HMC)	—	B37D	7		
300MB DISK GROWTH/CM CONVERSION	B38	B38	7		
300MB TO 340MB DISK CONVERSION	B39	B39	7		
TOLL OFFICE (EQUIPPED WITH 340MB MHDS)	B40	B40A*	7		
TOLL OFFICE (EQUIPPED WITH SCSI MHDS)	—	B40B	7		
TOLL OFFICE (EQUIPPED WITH SCSI MHDS AND HMC)	—	B40C	7		
OSPS APPLICATION (EQUIPPED WITH 340MB MHDS AND HMC)	—	B40D	7		
OSPS APPLICATION (EQUIPPED WITH 340MB MHDS)	B41	B41A*	7		
OSPS APPLICATION (EQUIPPED WITH SCSI MHDS)	—	B41B	7		
OSPS APPLICATION (EQUIPPED WITH SCSI MHDS AND HMC)	—	B41C	7		
OSPS APPLICATION (EQUIPPED WITH 340MB MHDS AND HMC)	—	B41D	7		

\* - SECTION B SHEETS WITH SUFFIX A WERE FORMERLY WITHOUT A SUFFIX LETTER.

CONTENTS	SHEET NO.		SHEET ISSUE NO.
	PRIOR TO ISSUE 3B	CURRENT ISSUE	
AS-6 TYPICAL FLOORPLAN (CONT)			
TYPICAL FUNCTIONAL AREAS	B42	B42	7
LNI APPLICATION	B43	B43	7
RSM APPLICATION	B44	B44A*	7
RSM APPLICATION (EQUIPPED WITH HMC)	—	B44B	7
MULTIMODULE RSM	B45	B45A*	7
MULTIMODULE RSM (EQUIPPED WITH HMC)	—	B45B	7
TRM/ORM APPLICATION	B46	B46A*	7
TRM/ORM APPLICATION (EQUIPPED WITH HMC)	—	B46B	7
CIRCUIT NOTES	D1A	D1A	7
EQUIPMENT NOTES	D2A	D2A	7
INFORMATION NOTES	D3A	D3A	7

\* - SECTION B SHEETS WITH SUFFIX A WERE FORMERLY WITHOUT A SUFFIX LETTER.

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.

DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1	2M	2M		APPX
APPX	APPX	APPX	APPX	APPX	APPX
3B	3B	12-06-90			
4M	4M	10-31-91			
5M	5M	10-5-93			
6M	6M	1-9-97			
7M	7M	1-9-97			

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BT13

**5ESS<sup>®</sup> SWITCHING SYSTEM**

FLOORPLAN DATA

DWG SIZE: C2  
ISSUE: 7M  
(FPD)

Lucent Technologies SD-5D001-01 SHEET A1  
76

# AS-1

5ESS SWITCHING SYSTEM CABINET DETAIL  
 (21 INCH DEEP CABINET CROSS SECTION)  
 (ED5D187-74 GROUPS 1-12, 2A, 4A-12A)

NOTE:

1. THIS CABINET FOOTPRINT IS USED IN CASES IN WHICH GROUPS (1-12, 2A, 4A-12A) OF ED5D184-74 ARE ORDERED.

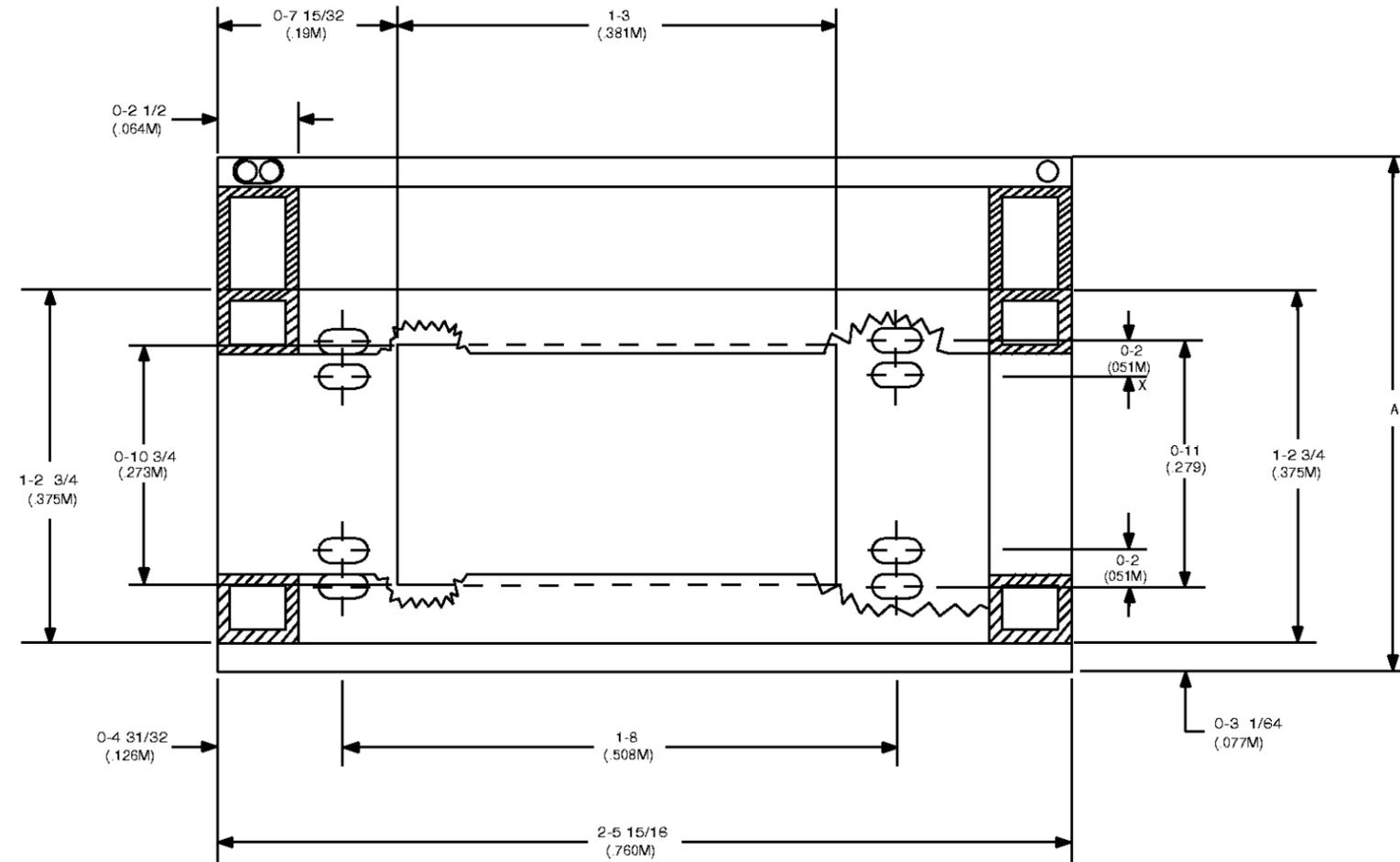


FIGURE 1

CABINET DET	A' DIM	
	WITH DOOR FRAMES ONLY	WITH DOORS
ED-5D184-( )	1-9 1/2 (.546M)	1-9 3/4 (.552M)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B1

# P/O AS-1

5ESS<sup>®</sup> SWITCHING SYSTEM CABINET DETAIL  
 (21 INCH DEEP CABINET CROSS SECTION)  
 (ED5D184-74 GROUPS 1B-12B)

NOTES:

- THIS CABINET FOOTPRINT IS USED IN CASES IN WHICH GROUPS (1B-12B) OF ED5D184-74 ARE ORDERED.

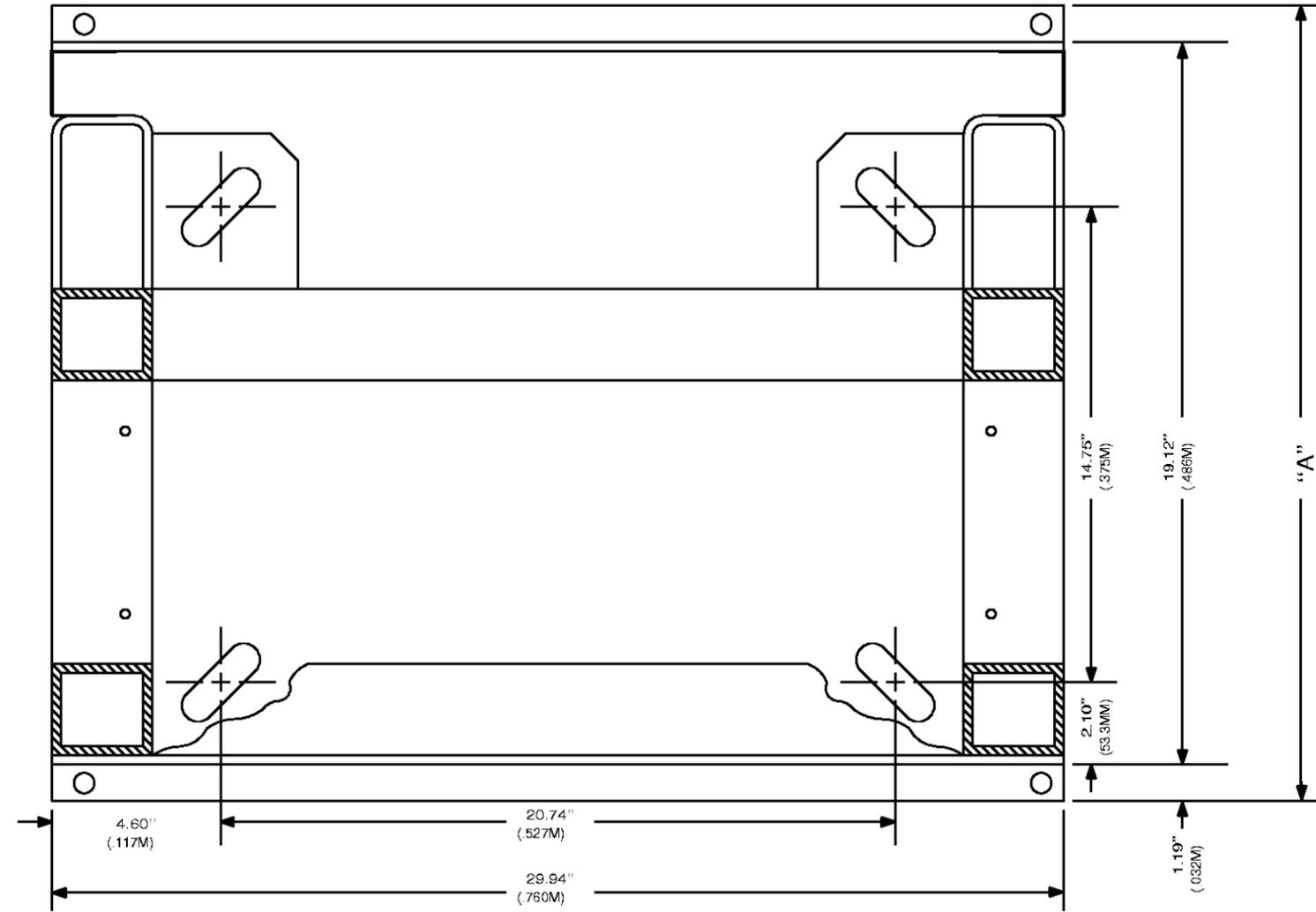


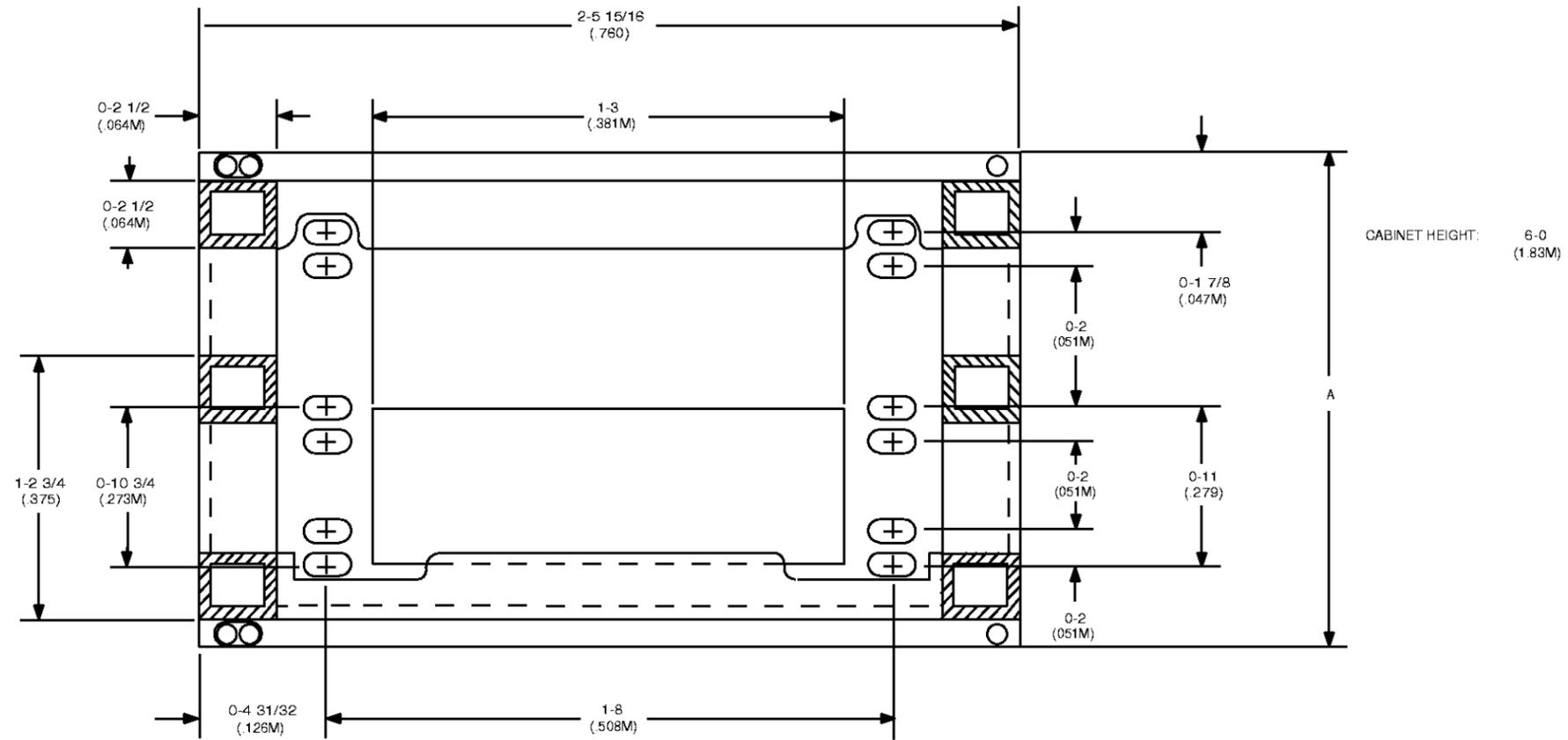
FIGURE 1

CABINET DET.	"A" DIMENSION (NOMINAL)	
	WITH DOOR FRAMES ONLY	WITH DOORS
ED5D184 ( )	21.50" (.546M)	21.75" (.552M)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B1A

# P/O AS-1

5ESS SWITCHING SYSTEM CABINET DETAIL  
(30 INCH DEEP CABINET CROSS SECTION)



CABINET HEIGHT: 6-0  
(1.83M)

FIGURE 2

CABINET DET	A' DIM	
	WITH DOOR FRAMES ONLY	WITH DOORS
ED-5D579-71	2-6 3/8 (.772M)	2-6 5/8 (.778M)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B2

# P/O AS-1

5ESS SWITCHING SYSTEM CABINET DETAIL  
(MMC CONSOLE OUTLINE)

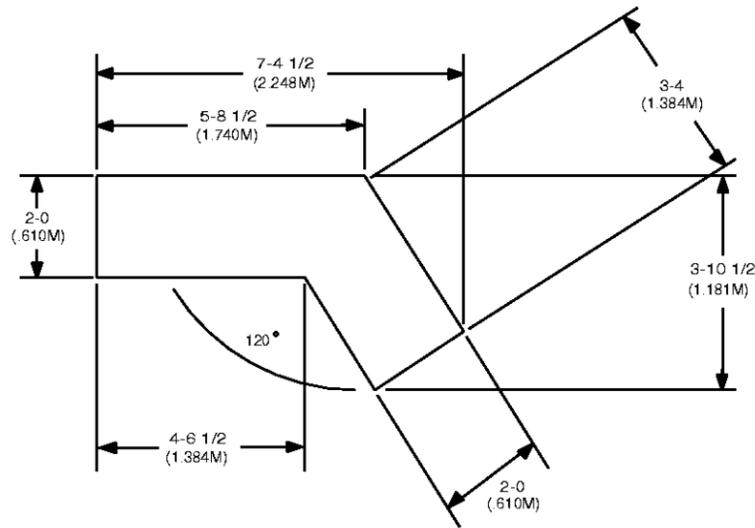


FIGURE 3

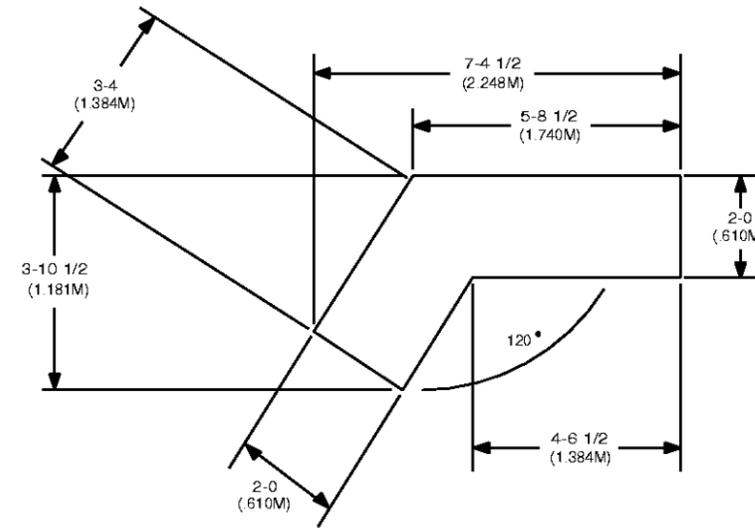


FIGURE 4

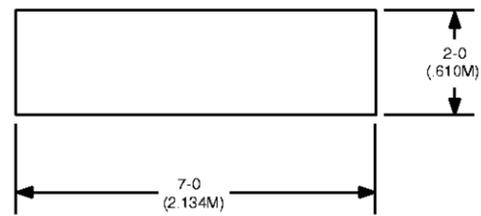
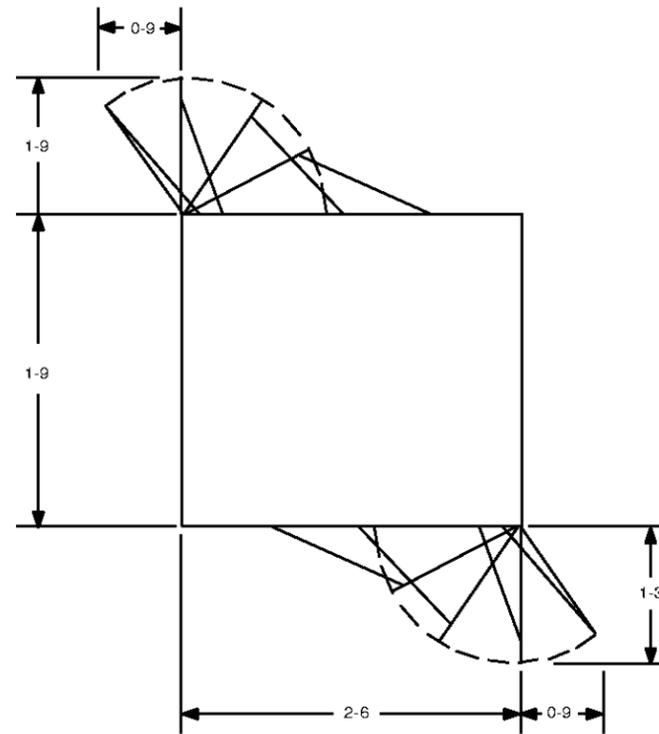


FIGURE 5

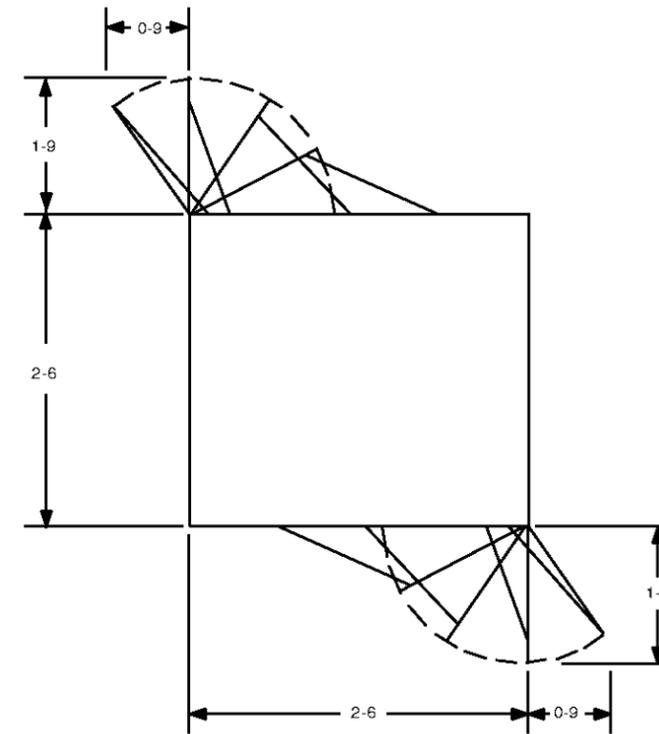
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FLOORPLAN DATA	DWG SIZE	ISSUE
	G2	7M
Lucent Technologies	SD-5D001-01	SHEET B3

# P/O AS-1

5ESS<sup>®</sup> SWITCHING SYSTEM CABINET DETAIL  
(CABINET DOOR SWING)



21" DEEP CABINET  
FIGURE 6

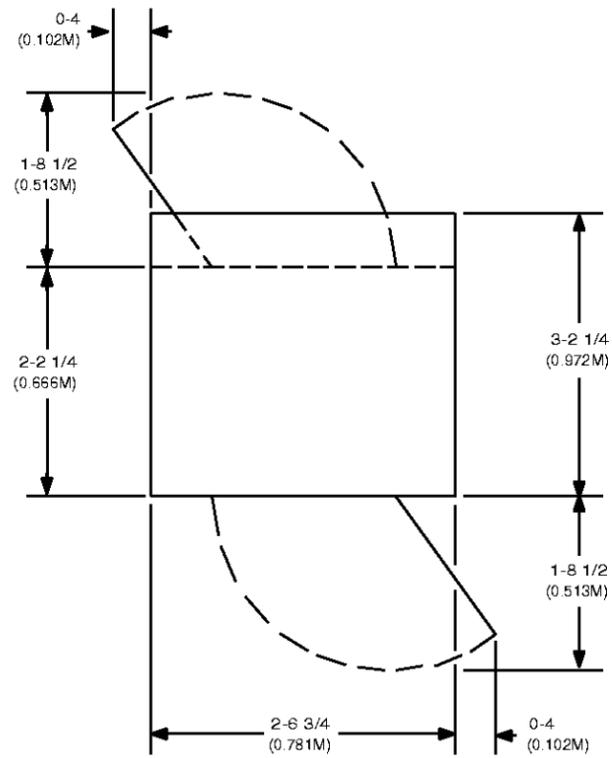


30" DEEP CABINET  
FIGURE 7

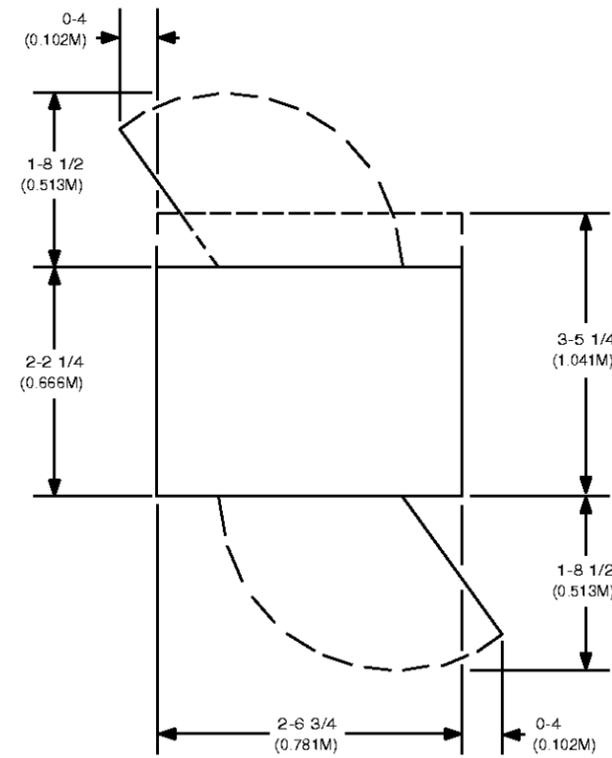
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B4A

# P/O AS-1

5ESS<sup>®</sup> SWITCHING SYSTEM DETAIL  
(444 LINE PRINTER)



444 ACOUSTIC, TRIPLE INTERFACE,  
LINE PRINTER  
FIGURE 8



444 ACOUSTIC, TRIPLE INTERFACE,  
TOP PAPER EXIT, LINE PRINTER  
FIGURE 9

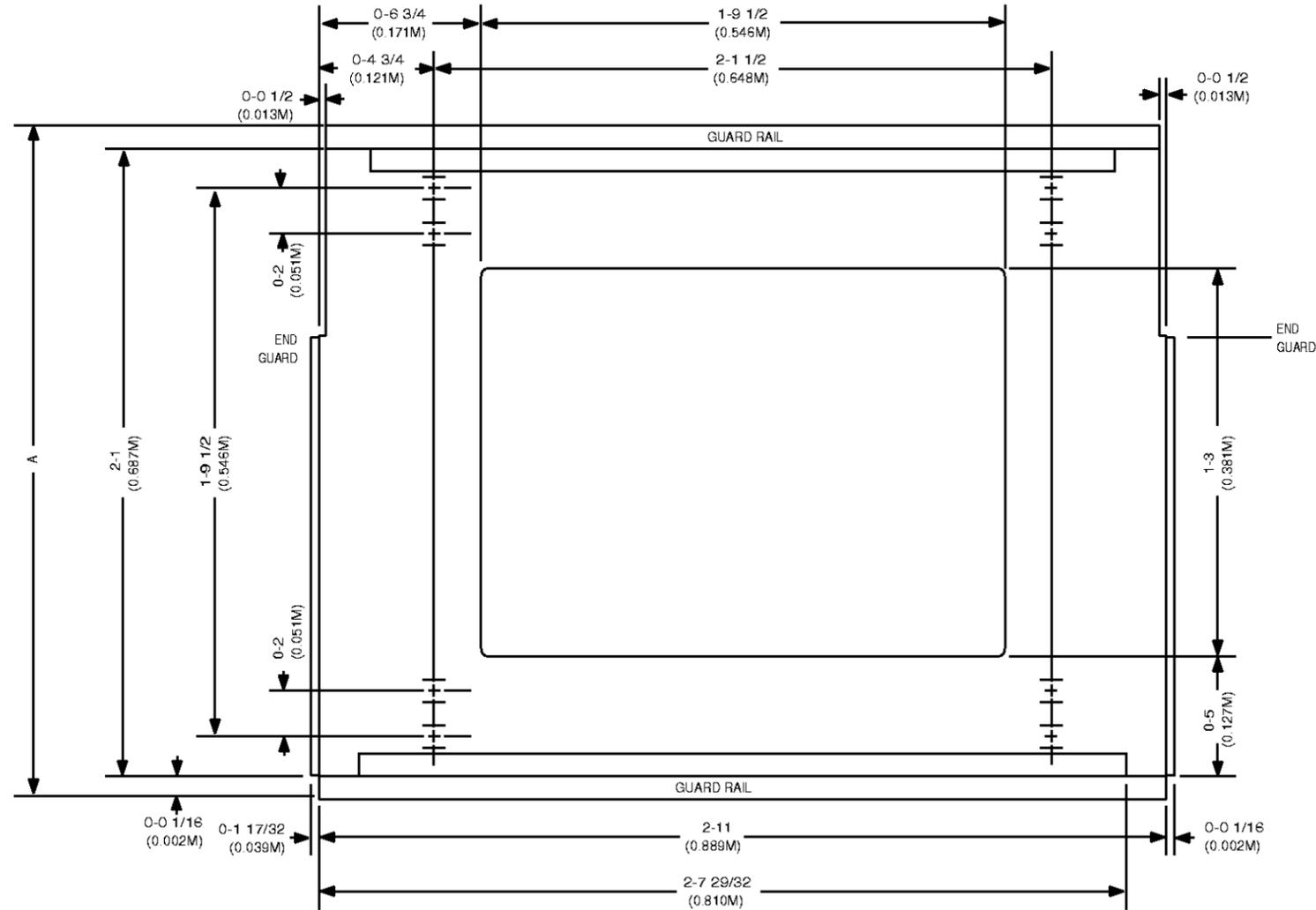
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B4B

# P/O AS-1

HIGHGATE MODULE  
DETAIL

NOTE:

1. NO HARDWARE ASSOCIATED WITH THE HIGHGATE MODULE MAY PROTRUDE BEYOND THE GUARD RAILS.



FRAME DET.	A' DIM
	WITH GUARD RAILS
845892397	2-4' (0.711 M)

FIGURE 10

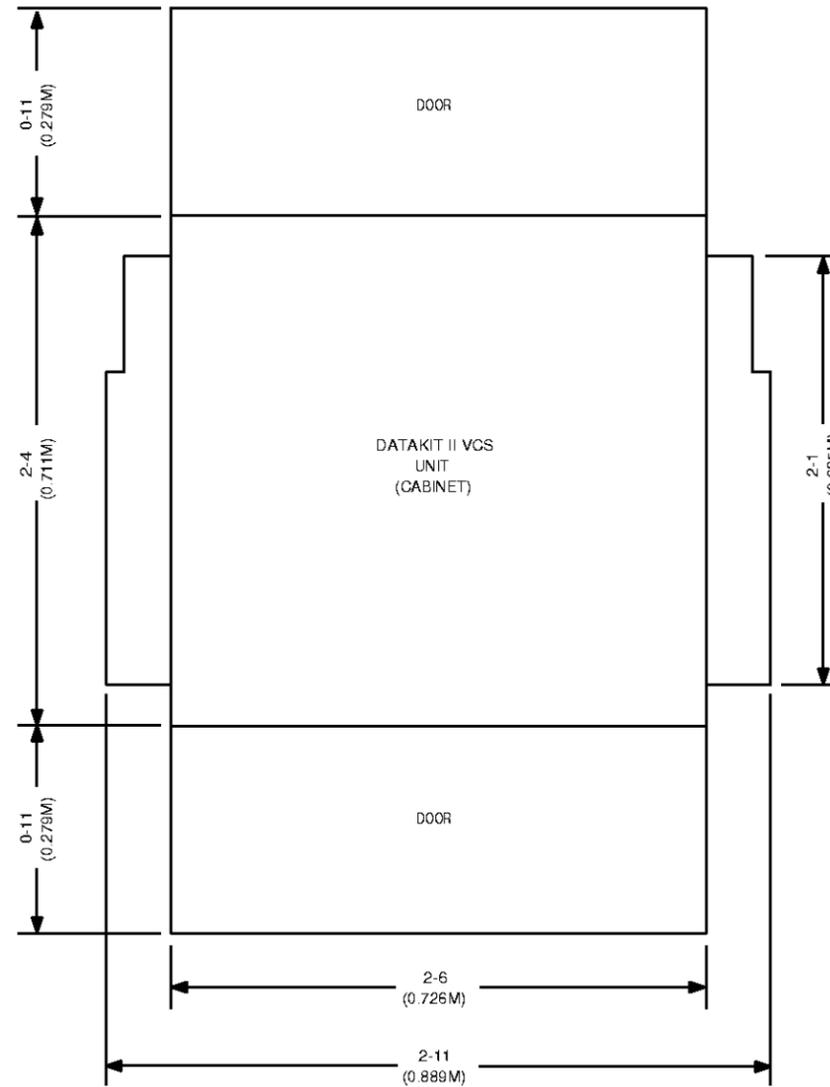
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B4C

# P/O AS-1

HIGHGATE MODULE  
(DOOR SWING)

NOTE:

1. THE DOORS ASSOCIATED WITH THE HIGHGATE MODULE OPEN FROM TOP TO BOTTOM AND ARE NOT MOUNTED TO THE FRAME BUT TO EACH INDIVIDUAL DATAKIT II VCS (HIGHGATE) UNIT. DATAKIT II VCS (HIGHGATE) USES THE TERM CABINET IN PLACE OF UNIT (WHICH IS USED BY 5ESS<sup>®</sup> SWITCH). UP TO FOUR DATAKIT II VCS UNITS (CABINETS) CAN BE MOUNTED IN A HIGHGATE MODULE.



HIGHGATE MODULE  
FIGURE 11

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B4D

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
COMMUNICATIONS MODULE, MODEL 2

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL													
COMMUNICATION MODULE, MODEL 2	J5D020A (BASIC CABINET) J5D020B (GROWTH CABINET)	SQ FT (SQ M) 10.2 (.95)	CM	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6												
WEIGHT LBS(KG) 655(297)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS													
SYSTEM CABLE CROSS SECTION SQ IN		DUAL SERIAL CHANNEL CABLING BETWEEN THE CM BASIC CABINETS AND THE FURTHEST PCCA CABINET IN THE ADMINISTRATIVE MODULE MUST NOT EXCEED 100 FT(30.5M) IN LENGTH.		IT IS RECOMMENDED THAT THE CM BE LOCATED IN THE SAME LINE UP WITH THE ADMINISTRATIVE MODULE WHERE PRACTICAL.													
SHIELD 1    SHIELD 3    SHIELD 4 2.8            1            1.5		CABLING BETWEEN THE ANALOG REFERENCE DISTRIBUTION FRAME AND THE NETWORK CLOCK IN THE CM2 BASIC CABINETS (05 & 06) MUST NOT EXCEED 200 FT(61M).															
		THE CABLING WHICH PROVIDES DIGITAL REFERENCE SIGNALS TO THE NETWORK CLOCK IN CM2 BAYS 05 AND 06 FROM THE DSX BAY MUST NOT EXCEED 655 FT(200M).															
NOTES:																	
1. ALL VALUES SHOWN ARE FOR ONE CM CABINET.																	
2. ALL CM CABINETS MUST BE INSTALLED IN A CONTIGUOUS ARRANGEMENT AND ARE NUMBERED 00 TO 11 AS SHOWN. THE CM BASIC CABINETS ARE NUMBERED 05 AND 06. GROWTH CABINETS ARE PROVIDED IN PAIRS, ONE CABINET ON EACH END OF THE CM.																	
3. THE MINIMUM CM CONFIGURATION FOR COMMUNICATIONS MODULE. MODEL 2 CONVERSION IS FOUR CM CABINETS WHICH ARE PROVIDED FROM THE MANUFACTURER AS A UNITIZED ENTITY CONSIDERATION SHOULD BE GIVEN WHEN PLANNING CONVERSION APPLICATIONS TO ENSURE AMPLE MANEUVERING SPACE IS AVAILABLE. SEE MSG FOR OTHER CONVERSION CONSIDERATIONS.																	
4. LINE ENGINEER SHOULD ANTICIPATE CM GROWTH AND PROVIDE AMPLE FLOOR SPACE ON EACH END OF THE CM.																	
<p>WIRING AISLE</p> <table border="1" style="margin: auto;"> <tr> <td>CM00</td><td>CM01</td><td>CM02</td><td>CM03</td><td>CM04</td><td>CM05</td><td>CM06</td><td>CM07</td><td>CM08</td><td>CM09</td><td>CM10</td><td>CM11</td> </tr> </table> <p>MAINTENANCE AISLE CM STANDARD INSTALLATION</p>						CM00	CM01	CM02	CM03	CM04	CM05	CM06	CM07	CM08	CM09	CM10	CM11
CM00	CM01	CM02	CM03	CM04	CM05	CM06	CM07	CM08	CM09	CM10	CM11						

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FLOORPLAN DATA		
DWG SIZE <b>C2</b>	ISSUE <b>7M</b>	
Lucent Technologies	SD-5D001-01	SHEET <b>B5</b>

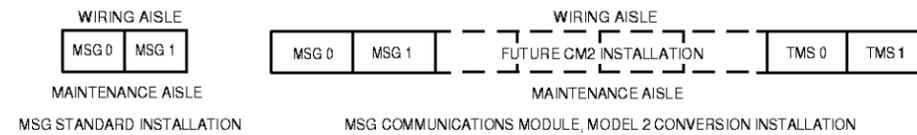
# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MESSAGE SWITCH CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
MESSAGE SWITCH CABINET	J5D006C	10.2 (.95)	MSG	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 555(252)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN		DUAL SERIAL CHANNEL CABLING BETWEEN THE MSG AND 3B20D PROCESSOR MUST NOT EXCEED 100 FT. (30.5M) IN LENGTH.		FOR OFFICES ANTICIPATING CONVERSION TO COMMUNICATIONS MODULE MODEL 2, IT IS DESIRABLE TO LOCATE THE MSG AND TMS IN THE SAME LINE UP WITH A MINIMUM OF FOUR CABINET SPACES BETWEEN THEM.	
SHIELD 1    SHIELD 3    SHIELD 4 .03            .5            .4		CONTROL AND DIAGNOSTIC ACCESS LINK (CDAL) CABLING BETWEEN THE MSG AND TMS MUST NOT EXCEED 50 FT. (15.24M) IN LENGTH.		IT IS RECOMMENDED THAT THE MSG BE LOCATED IN THE SAME LINE UP AS THE ADMINISTRATIVE MODULE.	
		CABLING BETWEEN THE ANALOG REFERENCE DISTRIBUTION FRAME AND THE NETWORK CLOCK IN THE MSG MUST NOT EXCEED 200 FT.(61M).			
		THE CABLING WHICH PROVIDES DIGITAL REFERENCE SIGNALS TO THE NETWORK CLOCK FROM THE DSX BAY MUST NOT EXCEED 655 FT. (200M).			

NOTES:

- ALL VALUES SHOWN ARE FOR A SINGLE MSG CABINET. HOWEVER TWO MSG CABINETS ARE ALWAYS EQUIPPED.
- THE TWO MSG CABINETS ARE NUMBERED MSG 0 AND MSG 1.
- MSG 0 AND MSG 1 ARE ALWAYS INSTALLED ADJACENT TO EACH OTHER WITH MSG 0 TO THE LEFT AND MSG 1 TO THE RIGHT AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B6

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
TIME MULTIPLEXED SWITCH

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL			
TIME MULTIPLEXED SWITCH	J5D001C	10.2 (.95)	TMS	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6		
WEIGHT LBS(KG) 615(279)		LIMITING CONDUCTOR INFORMATION CONTROL AND DIAGNOSTIC ACCESS LINK (CDAL) CABLING BETWEEN THE MSG AND TMS MUST NOT EXCEED 50 FT. (15.24M) IN LENGTH. SEE SMC FOR OPTICAL FIBER NCT LINK LENGTH LIMITATIONS.		PLACEMENT RECOMMENDATIONS FOR OFFICES ANTICIPATING CONVERSION TO COMMUNICATIONS MODULE MODEL 2, IT IS DESIRABLE TO LOCATE THE MSG AND TMS IN THE SAME LINE UP WITH A MINIMUM OF FOUR CABINET SPACES BETWEEN THEM.  SEE MSG NOTES.			
SYSTEM CABLE CROSS SECTION SQ IN							
<u>SHIELD 1</u> 2.8	<u>SHIELD 3</u> .05	<u>SHIELD 4</u> .8					
<p>NOTES:</p> <ol style="list-style-type: none"> <li>ALL VALUES SHOWN ARE FOR A SINGLE TMS CABINET. HOWEVER, TWO TMS CABINETS ARE ALWAYS EQUIPPED.</li> <li>THE TWO TMS CABINETS ARE NUMBERED TMS 0 AND TMS 1.</li> <li>TMS 0 AND TMS 1 ARE ALWAYS INSTALLED ADJACENT TO EACH OTHER WITH TMS 0 TO THE LEFT AND TMS 1 TO THE RIGHT AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.</li> </ol> <div style="text-align: center;"> <p>WIRING AISLE</p> <table border="1" style="margin: auto;"> <tr> <td>TMS 0</td> <td>TMS 1</td> </tr> </table> <p>MAINTENANCE AISLE</p> <p>TMS STANDARD INSTALLATION</p> </div>						TMS 0	TMS 1
TMS 0	TMS 1						

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FLOORPLAN DATA	DWG SIZE <b>C2</b>	ISSUE <b>7M</b>
	Lucent Technologies	SD-5D001-01
		SHEET <b>B7</b>

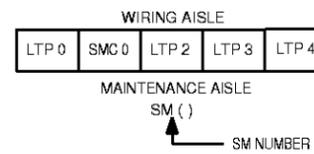
# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
LINE AND TRUNK PERIPHERAL CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
LINE AND TRUNK PERIPHERAL CABINET	J5D003F	10.2 (.95)	LTP	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 655(297)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN		PICB AND PIDB CABLING BETWEEN LTP CABINETS AND ASSOCIATED SMC CABINET MUST NOT EXCEED 20 FT. (6.0M).  WHEN LTP CABINET IS EQUIPPED WITH DLTU OR DCLU, IT MUST BE LOCATED WITHIN 655 CABLE FEET (200M) OF THE DSX BAY.		THE PLACEMENT OF LTP CABINETS IS BASED ON THE LOCATION OF ASSOCIATED SMC CABINETS WHICH HAVE A FIXED POSITIONAL RELATIONSHIP WITH EACH OTHER.	
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	5.5	0.7			

NOTES:

- LTP CABINETS ARE NUMBERED AS AN INTEGRAL PART OF A SWITCHING MODULE AS SHOWN. THE FIRST EQUIPPED LTP CABINET IS INSTALLED TO THE LEFT OF THE SMC AND IS DESIGNATED LTP0. ADDITIONAL LTP CABINETS ARE INSTALLED TO THE RIGHT OF THE ASSOCIATED SMC IN NUMERICAL ORDER AS VIEWED FROM THE FRONT OF MAINTENANCE AISLE. A MAXIMUM OF FOUR LTP CABINETS MAY BE EQUIPPED IN A SWITCHING MODULE.



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B8

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
SWITCHING MODULE CONTROL CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
SWITCHING MODULE CONTROL CABINET	J5D003E	SQ FT (SQ M) 10.2 (.95)	SMC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 565(256)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN		OPTICAL FIBER NCT LINKS BETWEEN THE SMC CABINET AND THE TMS OR CM IN MULTIMODULE APPLICATIONS MUST NOT EXCEED 1000 FT (304.8M) IN LENGTH. IN SINGLE MODULE APPLICATIONS, THIS LIMITING SPAN IS BETWEEN THE SMC AND MSG.		LOCATE AS NEAR AS POSSIBLE TO THE DISTRIBUTING FRAME END OF THE EQUIPMENT LINE-UP.	
<u>SHIELD 1</u> 0.2		WHEN AN SMC CABINET IS EQUIPPED WITH DLTU OR DLTU, IT MUST BE LOCATED WITHIN 655 CABLE FEET (200M) OF THE DSX BAY.		THE SMC MUST BE LOCATED ADJACENT TO ASSOCIATED LINE AND TRUNK PERIPHERAL CABINETS.	
<u>SHIELD 3</u> 1.0		IN ORM APPLICATIONS AT THE REMOTE LOCATION, THE CABLING BETWEEN THE TRCU LOCATED IN THE SMC CABINET AND THE DSX-3 BAY MUST NOT EXCEED 450 FT (137M). IN ADDITION, THIS CABLING MUST ROUTE TO WITHIN 3 FT (.9M) OF THE GROUND WINDOW AT SOME POINT ALONG ITS LENGTH. THE LEAD PROVIDING GROUND TO THE TRCU - DSX-3 SPAN SHIELD MUST NOT EXCEED 3 FT (.9M).		SEE LTP NOTES FOR TYPICAL INSTALLATION AND CABINET NUMBERING	
<u>SHIELD 4</u> 0.8					
NOTES:					
1. THE 1000 FT LIMIT BETWEEN THE SMC AND CM OR TMS MAY SPAN TWO FLOORS. LOCATING AN SMC CABINET GREATER THAN ONE FLOOR ABOVE OR BELOW THE CM OR TMS REQUIRES ADDITIONAL PROVISIONS FOR POWER DISTRIBUTION (SEE SD-5D005 AND SD-5D006) AND IS STILL SUBJECT TO THE 1000 FT LIMIT.					
2. IN APPLICATIONS UTILIZING THE TRANSMISSIONLESS REMOTED MODULE (TRM), THE OPTICAL FIBER NCT LINK BETWEEN THE CM OR TMS AND SMC AT THE REMOTE LOCATION IS EXTENDED TO A LENGTH SUCH THAT THE END TO END LOSS OF THE SPAN DOES NOT EXCEED DEFINED LIMITS. REFER TO SD-5D133 FOR THESE LIMITS.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B9A

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MODEM POOL CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL						
MODEM POOL CABINET	J5D007B	10.2 (.95)	MPC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6					
WEIGHT LBS(KG) 475(215)		LIMITING CONDUCTOR INFORMATION MODEM CONTROL AND DIAGNOSTIC CABLING BETWEEN THE MODEM DATA MOUNTING AND THE DATA SET CABINET OR NETWORK CONTROL CONSOLE MUST NOT EXCEED 250 FT (76.2M) IN LENGTH.		PLACEMENT RECOMMENDATIONS MODEM POOL GROUPS MAY BE PLACED ANYWHERE IN THE 5ESS SWITCH.						
SYSTEM CABLE CROSS SECTION SQ IN										
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>								
—	2.0	.75								
<p>NOTES:</p> <ol style="list-style-type: none"> <li>THE MAXIMUM NUMBER OF MODEM POOL CABINETS (MPC) PER MODEM POOL GROUP (MPG) IS FIVE.</li> <li>MODEM POOL CABINETS ARE NUMBERED 0-4 WITHIN AN MPG.</li> <li>THERE IS NO LIMIT TO THE NUMBER OF MPG'S IN AN APPLICATION, HOWEVER LABELS ARE PROVIDED FOR UP TO 5 MPG'S AT THIS TIME.</li> <li>MPG'S ARE NUMBERED 0 THRU N WHERE N IS ANY CONSECUTIVE NUMBER WITH NO LEADING ZERO'S.</li> <li>ALL MPC'S WITHIN AN MPG MUST BE INSTALLED IN A CONTINUOUS LINE-UP.</li> <li>IT IS NOT NECESSARY TO PROVIDE 5 MPC'S IN A MPG BEFORE ADDING AN MPG.</li> </ol>										
<p>WIRING AISLE</p> <table border="1" style="margin: auto;"> <tr> <td>MPC 0</td> <td>MPC 1</td> <td>MPC 2</td> <td>MPC 3</td> <td>MPC 4</td> </tr> </table> <p>MAINTENANCE AISLE MPG ( )</p>						MPC 0	MPC 1	MPC 2	MPC 3	MPC 4
MPC 0	MPC 1	MPC 2	MPC 3	MPC 4						

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B9B

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
DATA SET CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
DATA SET CABINET	ED-5D522	10.2 (.95)	DSC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 420(204KG)		LIMITING CONDUCTOR INFORMATION OSS DATA LINK CABLING BETWEEN THE DSC AND FURTHEST PCCA CABINET MUST NOT EXCEED 50 FT. (15.2M) IN LENGTH.		PLACEMENT RECOMMENDATIONS NONE	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	4	5			

NOTES:

1. INFORMATION ON THIS SHEET APPLIES TO AN IN-LINE DATA SET CABINET. A KS-20018-L15C DATA SET CABINET MAY BE PROVIDED IN THE DATA SET AREA OF THE SWITCH ROOM IN LIEU OF THE IN-LINE VERSION. SEE FPD 824-102-126-9 FOR FLOORPLAN INFORMATION FOR THE KS-20018-L15C CABINET.
2. TO ACCOMMODATE INSTALLATION OF OSS EQUIPMENT BEFORE THE INSTALLATION OF 5ESS CABINET IS PREFERRED OVER THE IN-LINE VERSION.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B10

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
LINE INTERFACE CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
LINE INTERFACE CABINET	J5D009B	SQ FT (SQ M) 10.2 (.95)	LNI	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 450(204)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS THE LNI IS PLACED ON THE END OF THE EQUIPMENT LINE-UP NEAREST TO THE DISTRIBUTING.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	—	1.0			
NOTES: 1. LNI CABINETS ARE NUMBERED CONSECUTIVELY FROM 00, I.E. 00, 01, ETC.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B11

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
 MASTER CONTROL CENTER/SUPPLEMENTARY TRUNK  
 AND LINE WORK STATION (CABINET)

TITLE (CABINET) MASTER CONTROL CENTER/ SUPPLEMENTARY TRUNK AND LINE WORK STATION	DWG NO. J5D002A	AREA REQ'D SQ FT (SQ M) 10.2 (.95)	DESIGNATION MCC OR STLWS	FLOORPLAN DETAIL	
				CROSS SECTION	DOOR SWING
				FIGURE 1	FIGURE 6
WEIGHT LBS(KG) 800(362)		LIMITING CONDUCTOR INFORMATION DATA LINK CABLING CONNECTING THE MTTY AND RCP TO THE 3B20D PROCESSOR MUST NOT EXCEED 250 FT. (76.2M).		PLACEMENT RECOMMENDATIONS THE RECOMMENDED PLACEMENT OF THE MCC IS IN THE PROCESSOR LINE-UP, OR ON THE LEFT END OF ANY OTHER LINE-UP AS VIEWED FROM THE MAINTENANCE AISLE. THE MCC OR STLWS CAN NOT BE INSTALLED TO THE IMMEDIATE RIGHT (AS VIEWED FROM THE MAINTENANCE AISLE) OF ANY OTHER CABINET.	
SYSTEM CABLE CROSS SECTION SQ IN  <u>SHIELD 1</u> <u>SHIELD 3</u> <u>SHIELD 4</u> —                    5                    —					
NOTES: 1. EXTENDING THE DISTANCE BETWEEN THE MTTY/ROP AND THE PROCESSOR FROM 50 FT. (15.2M) TO 250 FT. (76.2M) REQUIRES THE PROVISION OF OPTIONAL CABLING. REFER TO SD-5D014-02. 2. TO LOCATE A STLWS BEYOND 250 FT. (76.2M) FROM THE PROCESSOR, THE USE OF DATA SETS IS REQUIRED. REFER TO OSS APPLICATION SCHEMATIC, SD-5D071. 3. ALL FIGURES INDICATED ARE FOR A TWO CABINET COMPLEX.					

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FLOORPLAN DATA	DWG SIZE C2	ISSUE 7M
	Lucent Technologies	SD-5D001-01

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
 MASTER CONTROL CENTER/SUPPLEMENTARY TRUNK  
 AND LINE WORK STATION (CONSOLE)

TITLE (CONSOLE) MASTER CONTROL CENTER/ SUPPLEMENTARY TRUNK AND LINE WORK STATION	DWG NO. ED-5D039	AREA REQ'D SQ FT (SQ M) SEE NOTES BELOW	DESIGNATION MCC OR STLWS	FLOORPLAN DETAIL							
WEIGHT LBS(KG) 630(286)		LIMITING CONDUCTOR INFORMATION DATA LINK CABLING CONNECTING THE MTTY AND RCP TO THE 3B20D PROCESSOR MUST NOT EXCEED 250 FT. (76.2M).		CROSS SECTION FIGURE 3,4,5	DOOR SWING N/A						
				PLACEMENT RECOMMENDATIONS THE RECOMMENDED PLACEMENT OF THE MCC IS IN THE PROCESSOR MAINTENANCE AISLE							
SYSTEM CABLE CROSS SECTION SQ IN											
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>						SHIELD 1	SHIELD 3	SHIELD 4	—	—	—
SHIELD 1	SHIELD 3	SHIELD 4									
—	—	—									
NOTES: 1. EXTENDING THE DISTANCE BETWEEN THE MTTY/ROP AND THE PROCESSOR FROM 50 FT. (15.2M) TO 250 FT. (76.2M) REQUIRES THE PROVISION OF OPTIONAL CABLING. REFER TO SD-5D014-02. 2. TO AVOID NOISE DISTRACTIONS, THE MCC AND/OR STLWS MAY BE LOCATED IN A ROOM SEPARATE FROM THE REMAINING 5ESS <sup>®</sup> SWITCHING SYSTEM EQUIPMENT. 3. TO LOCATE A STLWS BEYOND 250 FT. (76.2M) FROM THE PROCESSOR, THE USE OF DATA SETS IS REQUIRED. REFER TO OSS APPLICATION SCHEMATIC, SD-5D071. 4. AREA REQUIREMENTS FOR MCC/STLWS CONSOLE OPTIONS ARE AS FOLLOWS:											
<table border="1"> <thead> <tr> <th>FIGURE 3</th> <th>FIGURE 4</th> <th>FIGURE 5</th> </tr> </thead> <tbody> <tr> <td>SQ FT (SQ M) 58 (5.39)</td> <td>SQ FT (SQ M) 58 (5.39)</td> <td>SQ FT (SQ M) 42 (3.9)</td> </tr> </tbody> </table>						FIGURE 3	FIGURE 4	FIGURE 5	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 42 (3.9)
FIGURE 3	FIGURE 4	FIGURE 5									
SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 42 (3.9)									

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FLOORPLAN DATA	DWG SIZE C2	ISSUE 7M
	Lucent Technologies	SD-5D001-01

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MISCELLANEOUS CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
MISCELLANEOUS CABINET	J5D005C	SQ FT (SQ M) 10.2 (.95)	M	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 650(295)		LIMITING CONDUCTOR INFORMATION SCAN AND SIGNAL DISTRIBUTOR CABLING BETWEEN THE CAU IN THE MISCELLANEOUS CABINET AND THE IOP MUST NOT EXCEED 1000 FT. (304.8M) IN LENGTH.  IN ORM APPLICATIONS, THE OPTICAL FIBER NOT LINK BETWEEN THE CM OR TMS AND THE TRCU IN THE MISCELLANEOUS CABINET MUST NOT EXCEED 1000 FT. (304.8M) IN LENGTH AT THE HOST SITE. IN ADDITION, CABLING BETWEEN THE TRCU AND THE DSX-3 BAY MUST NOT EXCEED 450 FT. (137M). AT SOME POINT ALONG ITS LENGTH THIS CABLING MUST ROUTE WITHIN 3 FT. (.9M) OF THE ESS GROUND WINDOW. THE GROUND LEAD PROVIDING GROUND TO THE TRCU TO DSX-3 SPAN SHIELD MUST NOT EXCEED 3 FT. (.9M).		PLACEMENT RECOMMENDATIONS NONE	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	1.4	0.7			
<p>NOTES:</p> <ol style="list-style-type: none"> <li>ALL VALUES SPECIFIED ASSUME MISCELLANEOUS CABINETS IS EQUIPPED WITH ONE KS-20816, L16 INVERTER ONE 13A RECORDED ANNOUNCEMENT UNIT, ONE RESISTOR PANEL, ONE OFFICE ALARM UNIT AND ONE DIAL TONE DELAY ALARM PANEL.</li> <li>MISCELLANEOUS CABINETS ARE NUMBERED SEQUENTIALLY STARTING WITH 00.</li> </ol>					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B14

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
POWER DISTRIBUTION CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
POWER DISTRIBUTION CABINET	J86334D	SQ FT (SQ M) 10.2 (.95)	PCFD	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 555(252)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN		<p>WIRING BETWEEN POWER SOURCE AND THE PCFD IS LIMITED IN LENGTH SUCH THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED DEFINED LIMITS. SEE SD-5D005-01 FOR THESE LIMITS.</p> <p>WIRING BETWEEN PCFD AND OTHER 5ESS<sup>®</sup> EQUIPMENT IS LIMITED IN LENGTH SUCH THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED DEFINED LIMITS. SEE SD-5D005-01 FOR THESE LIMITS.</p>		<p>POWER DISTRIBUTION CABINETS (PCFD) SHOULD BE CENTRALLY LOCATED WITH RESPECT TO THE CABINETS THEY WILL ULTIMATELY SERVE.</p> <p>PCFD CABINETS SHALL BE PLACED IN LINE WITH ONE ANOTHER TO SIMPLIFY VIA AND CROSS-AISLE CABLE RACKING.</p> <p>TO AVOID CABLE CONGESTION, PCFD CABINETS SHALL BE LOCATED AS FAR AS PRACTICABLE FROM THE DISTRIBUTING FRAME AREA OR VIA CABLE RUNS TO THE DISTRIBUTING FRAME AREA. A LOCATION APPROXIMATELY TWO THIRDS OF THE LENGTH OF THE LINEUP FROM THE DISTRIBUTING FRAME AREA IS RECOMMENDED.</p>	
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
---	---	---			
<p>NOTES:</p> <ol style="list-style-type: none"> <li>PCFD CABINETS ARE NUMBERED 00,01,02, ETC.</li> <li>SEE FPD 802-185-155 (-) FOR SPECIFIC FLOOR PLAN INFORMATION ON PCFD CABINETS. FOR SPECIFIC INFORMATION ON POWER SYSTEMS, FPD 802-679-171, FPD-802-680-160, AND FPD 802-681-160 FOR 151B, 153A, AND 155A POWER PLANTS, RESPECTIVELY.</li> </ol>					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B15

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
DISK POWER CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
DISK POWER CABINET	J1C175A	SQ FT (SQ M) 10.2 (.95)	DPC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 850(386)		LIMITING CONDUCTOR INFORMATION THE POSITION OF DPC'S IS LIMITED BY CABLE LENGTH LIMITATIONS OF ASSOCIATED MHD'S. SEE MOVING HEAD DISK FOR DETAILS.		PLACEMENT RECOMMENDATIONS THE FIRST DPC (DPC 1) IS ALWAYS INSTALLED TO THE RIGHT OF PCCA 1 AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.  AN ADDITIONAL DPC MUST BE INSTALLED TO THE LEFT OF ASSOCIATED MHD'S AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE SUBJECT TO THE CABLE LENGTH LIMITATIONS OF THE MHD'S.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	.5	2			
<p>NOTES:</p> <ol style="list-style-type: none"> <li>DPC'S ARE NUMBERED 1 AND 2.</li> <li>ADDITIONAL INFORMATION MAY BE FOUND IN FPD 801-824-164-1.</li> <li>REFER TO FPD 801-825-165-1 FOR COOLING REQUIREMENTS.</li> </ol>					

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FLOORPLAN DATA		
DWG SIZE <b>C2</b>	ISSUE <b>7M</b>	
Lucent Technologies	SD-5D001-01	SHEET B16

# P/O AS-2

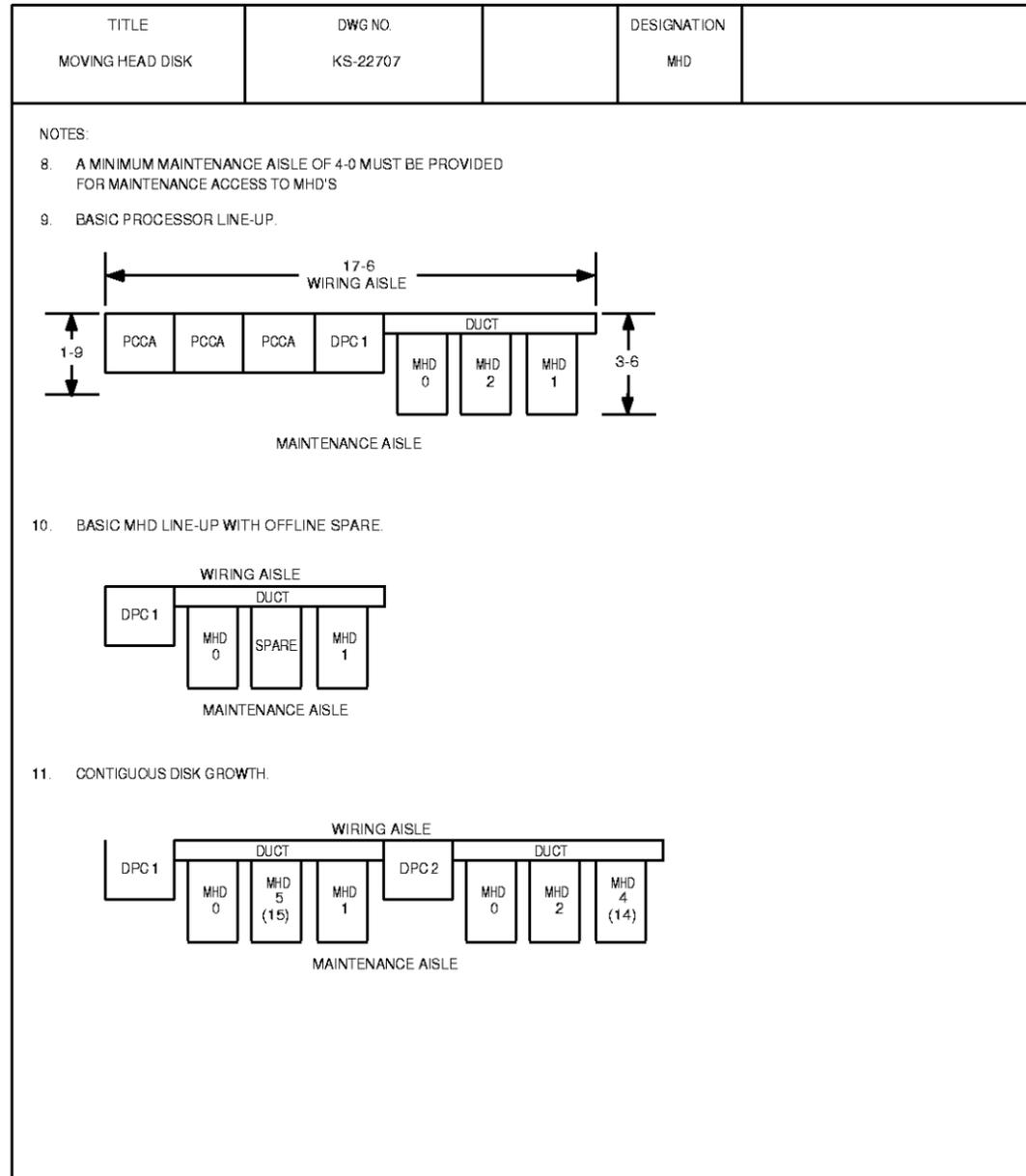
5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MOVING HEAD DISK

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
MOVING HEAD DISK	KS-22707	SQ FT (SQ M) 18.75 (1.74)	MHD	<u>CROSS SECTION</u>	<u>DOOR SWING</u>
WEIGHT LBS(KG) 555(252)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN		DISK CONTROL CABLING BETWEEN THE FURTHEST DISK AND ITS ASSOCIATED DFC IS LIMITED TO 100 CABLE FEET (30.5M) IN LENGTH.		DISKS ARE INSTALLED ADJACENT TO THE ASSOCIATED DISK POWER CABINET TO THE RIGHT AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.	
		DISK DATA CABLING BETWEEN EACH DISK AND ITS ASSOCIATED DFC IS LIMITED TO 50 CABLE FEET (15.24M).			
<u>SHIELD 1</u>		<u>SHIELD 3</u>		<u>SHIELD 4</u>	
<p>NOTES:</p> <ol style="list-style-type: none"> <li>UP TO 3 MHD'S MAY BE POWERED FROM THE SAME DFC.</li> <li>FOR 5ESS<sup>®</sup> SWITCHING SYSTEM APPLICATIONS, UP TO SIX MHD'S TOTAL FOR ALL OPTIONS MAY BE EQUIPPED.</li> <li>ACTIVE SYSTEM DISKS ARE NUMBERED 0 THROUGH 5.</li> <li>UP TO 2 MHD'S OF THE SIX MAY BE DESIGNATED AS SOFTWARE BACK-UP OR SIMPLEX DISKS. THESE ARE NUMBERED 14 AND 15 IN LIEU OF 4 AND 5.</li> <li>AN OFFLINE SPARE DISK MAY BE EQUIPPED AND IS DESIGNATED SPARE. IT OCCUPIES THE CENTER POSITION OF THE BASIC 3 DISK LINE-UP.</li> <li>A GROWTH DISK LINE-UP MAY BE INSTALLED IN A NON-CONTIGUOUS ARRANGEMENT. THE DISTANCE BETWEEN THE BASIC AND GROWTH DISK LINE-UP IS LIMITED BY DISK CABLE LENGTHS AS STATED IN 'LIMITING CONDUCTOR INFORMATION'.</li> <li>WHEN CALCULATING CONTROL CABLE LENGTH, USE THE SUM OF ALL DISKS ON EACH ASSOCIATED CONTROL BUS, ALLOWING 16-0 FOR EACH DISK, PLUS THE DISTANCE BETWEEN DISKS ON THE SAME CONTROL BUS. FOR NON-CONTIGUOUS INSTALLATIONS, SUFFICIENT CABLE LENGTH MUST BE PROVIDED TO ROUTE CONTROL CABLING UP INTO A DEDICATED OVERHEAD DUCT AND BACK DOWN.</li> </ol>					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B17

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MOVING HEAD DISK (CONTINUED)



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B18

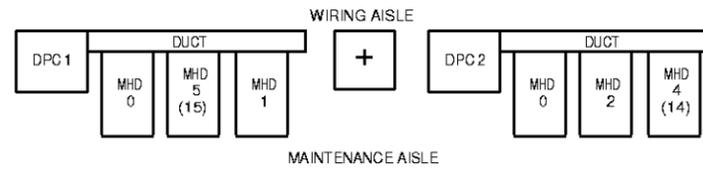
# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
MOVING HEAD DISK (CONTINUED)

TITLE MOVING HEAD DISK	DWG NO. KS-22707	DESIGNATION MHD
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NOTES:

11. NON-CONTIGUOUS DISK GROWTH.



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FLOORPLAN DATA	DWG SIZE <b>C2</b>	ISSUE <b>7M</b>
	Lucent Technologies	SD-5D001-01
		SHEET B19

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
PERIPHERAL INTERFACE CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
PERIPHERAL INTERFACE CABINET	J1C215B J1C215A	SQ FT (SQ M) SEE NOTES BELOW	PIC	<u>CROSS SECTION</u> FIGURE 1,2	<u>DOOR SWING</u> FIGURE 6,7
WEIGHT LBS(KG) 500(227)		LIMITING CONDUCTOR INFORMATION DUAL SERIAL CHANNEL CABLING BETWEEN THE PIC AND FURTHEST PCCA MUST BE WITHIN 100 FT. (30.5M).		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT THE PIC BE INSTALLED IN THE SAME LINE-UP AS THE 3B20D PROCESSOR. THE PREFERABLE LOCATION IS TO THE LEFT OF PCCA 0 AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.  SEE T/DC FOR TYPICAL PROCESSOR LINE-UP.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	3.0	1.0			

**NOTES:**

- THE SHIELD 3 CABLE CROSS SECTION IS HIGHLY DEPENDENT UPON PERIPHERAL CONTROLLER EQUIPAGE. THE VALUE SHOWN IS A MAXIMUM VALUE.
- APPLICATIONS INSTALLING THE PTO ADJACENT TO PCCA 0 IN A MODEL 2 PROCESSOR LINE-UP OR REMOTE FROM THE PROCESSOR LINE-UP IN MODEL 2 OR MODEL 3 APPLICATIONS SHOULD UTILIZE THE PIC IN A 1-9 DEEP CABINET PER J1C215B. SEE FIGURE 1 AND 6.
- APPLICATIONS INSTALLING THE PIC CABINET ADJACENT TO THE PCCA CABINET OR A T/DC IN MODEL 3 PROCESSOR SHOULD UTILIZE THE PIC CABINET IN A 2-6 DEEP CABINET PER J1C215A. SEE FIGURE 2 AND 7.
- PIC CABINETS ARE NUMBERED CONSECUTIVELY FROM 0 (CURRENT SYSTEM REQUIREMENTS DO NOT INCLUDE MULTIPLE PIC CABINETS).
- AREA REQUIREMENTS FOR PIC OPTIONS ARE AS FOLLOWS:

J1C215A	J1C215B (IN PROCESSOR LINE-UP)	J1C215B (NOT IN PROCESSOR LINE-UP)
SQ FT (SQ IN) 12 (1.1)	SQ FT (SQ IN) 10.2 (.95)	SQ FT (SQ IN) 10.2 (.95)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B20

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
PROCESSOR CONTROL CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
PROCESSOR CONTROL CABINET	J1C173A J1C173B	SQ FT (SQ M) SEE NOTES BELOW	PCCA	<u>CROSS SECTION</u> FIGURE 1,2	<u>DOOR SWING</u> FIGURE 6,7
WEIGHT LBS(KG) 600(272)		LIMITING CONDUCTOR INFORMATION DUAL SERIAL CHANNEL CABLING IS LIMITED TO 100 FT. (30.5M) IN LENGTH. DISK CONTROL CABLING TO LAST DISK IS LIMITED TO 100 FT. (30.5M) IN LENGTH. DISK DATA CABLING TO EACH DISK IS LIMITED TO 50 FT. (15.24M) IN LENGTH. TAPE DATA CABLING TO TAPE DRIVE IS LIMITED TO 20 FT. (6M) IN LENGTH. DATA LINK CABLING TO MTTY AND ROP IS LIMITED TO 250 FT. (76.2M) IN LENGTH.		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT THE PROCESSOR BE LOCATED IN THE FIRST LINE-UP IN A 5ESS 5 SWITCHING SYSTEM.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	2.5	2.0			

NOTES:

- VALUES SHOWN ARE FOR ONE CABINET. THE PCCA ALWAYS CONSISTS OF TWO CABINETS 0 AND 1.
- J1C173A IS HOUSED IN 1-9 DEEP CABINETS AND IS PART OF 3B20D MODEL 2 PROCESSOR. SEE FIGURES 1 AND 6.
- J1C215B IS HOUSED IN 2-6 DEEP CABINETS AND IS PART OF 3B20D MODEL 3 PROCESSOR. SEE FIGURES 2 AND 7.
- SEE FPD 801-824-165-4 FOR COOLING REQUIREMENTS.
- AREA REQUIREMENTS FOR PCCA CONFIGURATIONS ARE:

J1C173A	J1C173B
SQ FT (SQ M)	SQ FT (SQ M)
16.875 (1.57)	18.75 (1.74)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B21

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
TAPE CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
TAPE CABINET	J1C173A	SQ FT (SQ M) 16.875 (1.57)	TUCA	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 400(181)		LIMITING CONDUCTOR INFORMATION TAPE DRIVE DATA CABLING BETWEEN THE PCCA AND TAPE DRIVE MUST BE WITHIN 20 CABLE FEET (6M) IN LENGTH.		PLACEMENT RECOMMENDATIONS THE TUCA SHOULD BE INSTALLED ADJACENT TO PCCA 0 ON THE LEFT SIDE AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	.5	1			
NOTES: 1. THE TUCA IS EQUIPPED IN 3B20D, MODEL 2 PROCESSOR APPLICATIONS.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B22

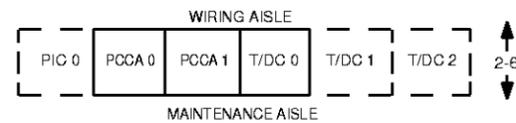
# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
TAPE/DISK CABINET

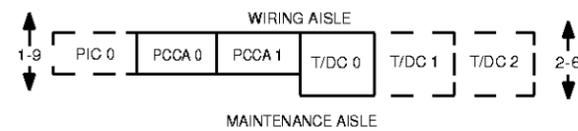
TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
TAPE/DISK CABINET	J1G192A	SQ FT (SQ M) 18.75 (1.74)	T/DC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
<b>WEIGHT LBS(KG)</b> 4 DISKS/1 TAPE    4 DISKS    8 DISKS 660(300)        510(231)    770(350)		<b>LIMITING CONDUCTOR INFORMATION</b> DATA CABLES FROM PCCA TO EACH DISK DRIVE IS LIMITED TO 50 FT. (15.24M) IN LENGTH. CONTROL BUS CABLES FROM PCCA TO THE LAST DISK DRIVE IS LIMITED TO 100 FT. (30.5M) IN LENGTH. DATA CABLES TO TAPE DRIVES FROM PCCA ARE LIMITED TO 20 FT. (6M).		<b>PLACEMENT RECOMMENDATIONS</b> T/DC'S ARE ALWAYS EQUIPPED CONTIGUOUS TO THE PROCESSOR LINE-UP TO THE RIGHT OF PCCA 1 OR TO THE LEFT OF PCCA 0 AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.	
<b>SYSTEM CABLE CROSS SECTION SQ IN</b> <u>SHIELD 1</u> <u>SHIELD 3</u> <u>SHIELD 4</u> —            1.0            1.0					

**NOTES:**

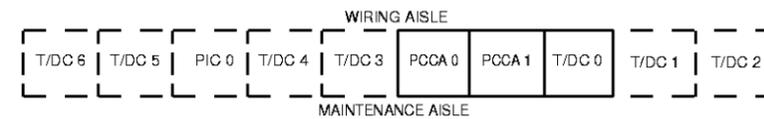
- T/DC'S ARE NUMBERED 0,1,2... 6 AND MUST BE EQUIPPED SEQUENTIALLY.
- A 3-0 FRONT AISLE IS REQUIRED TO REMOVE DISK DRIVE FROM CABINET.
- DISK DRIVES MAY BE EQUIPPED IN T/DC 0,1, AND 2 ONLY. TAPE DRIVES MAY BE EQUIPPED IN T/DC 0,1,3,4,5 AND 6.
- 3B20D MODEL 3 PROCESSOR ARRANGEMENT.



- 340MB DISK CONVERSION ON 3B20D MODEL 2 PROCESSOR ARRANGEMENT.



- 3B20D MODEL 3 PROCESSOR ALTERNATE ARRANGEMENT FOR EXTENDED TAPE DRIVE CAPACITY.



- WHEN PROVIDING T/DC 3 AND PIC 0, FLOOR SPACE FOR T/DC 4 MUST BE LEFT VACANT IF FUTURE GROWTH OF ADDITIONAL T/DC'S IS TO BE POSSIBLE.

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FLOORPLAN DATA		DWG SIZE <b>C2</b>
		ISSUE <b>7M</b>
Lucent Technologies	SD-5D001-01	SHEET B23

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
 OPERATOR SERVICES CONTROL DATA SET CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
OPERATOR SERVICES CONTROL DATA SET CABINET	J5D003K	SQ FT (SQ M) 10.2 (.95)	OPCDS	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 500(227)		LIMITING CONDUCTOR INFORMATION MAXIMUM CABLE LENGTH FOR THE DATA LINK CABLING BETWEEN THE RISLU TERMINAL ADAPTERS AND THE OPCDS IN 50 FT. (15.2M).		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT THE OPCDS BE CENTRALLY LOCATED AS NEAR AS POSSIBLE TO ALL RISLU CABINETS.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	1.8	.7			
NOTES: 1. REFER TO SD-5D135-01 FOR ADDITIONAL OSPS INFORMATION.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B24

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
 REMOTE INTEGRATED SERVICES LINE UNIT CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
REMOTE INTEGRATED SERVICES LINE UNIT CABINET	J5D003G-1	SQ FT (SQ M) 10.2 (.95)	RISLU	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 600(272)		LIMITING CONDUCTOR INFORMATION MAXIMUM CABLE LENGTH FOR THE DATA LINK CABLING BETWEEN THE RISLU TERMINAL ADAPTERS TO THE OPCDS IS 50 FT. (15.2M).		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT THE RISLU CABINET BE LOCATED AS NEAR AS POSSIBLE TO THE MDF.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	3.4	1.9			
NOTES: 1. RISLU CABINETS ARE NUMBERED 0 THROUGH 7. 2. WHEN RISLU CABINETS ARE CO-LOCATED WITH THE 5ESS <sup>®</sup> SWITCHING SYSTEM (RISLU CONNECTED TO ESS GROUND) THE 5ESS POWER DISTRIBUTION FACILITIES WILL BE UTILIZED FOR RISLU. WHEN RISLU CABINETS ARE NOT CO-LOCATED WITH 5ESS <sup>®</sup> SWITCHING SYSTEM, DEDICATED POWER DISTRIBUTION FACILITIES ARE REQUIRED. FOR OSPS APPLICATIONS AN OPCPD CABINET, J5D003H MUST BE PROVIDED IN THE FIRST CABINET POSITION IN THE RISLU LINE-UP IN NON CO-LOCATED SITUATIONS.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B25

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
DIGITAL FACILITY ACCESS CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
DIGITAL FACILITY ACCESS CABINET	J3F010B	SQ FT (SQ M) 10.2 (.95)	DFA	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 700(317)		LIMITING CONDUCTOR INFORMATION THE DFA MUST BE WITHIN 200 CABLE FEET (60.96M) OF THE RING NODE CABINET.		PLACEMENT RECOMMENDATIONS NONE	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	4.0	0.5			
NOTES:					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B26

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
RING NODE CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
RING NODE CABINET	J3F011C	SQ FT (SQ M) 10.2 (.95)	RNC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 6
WEIGHT LBS(KG) 600(276)		LIMITING CONDUCTOR INFORMATION THE RING NODE CABINET MUST BE WITHIN 100 CABLE FEET (30.48M) OF THE FURTHEST PCCA CABINET. THE RING NODE CABINET MUST BE WITHIN 200 CABLE FEET (60.96M) OF THE DFA OR AFA FRAMES.		PLACEMENT RECOMMENDATIONS NONE	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	3.0	0.5			
NOTES:					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27A

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
SCSI DISK CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
SCSI DISK CABINET	J1C176C-1	SQ FT (SQ M) 10.2 (.95)	SDC	<u>CROSS SECTION</u> FIGURE 2	<u>DOOR SWING</u> FIGURE 7
<b>WEIGHT LBS(KG)</b> 16 SCSI MHDS <u>1 TAPE DRIVE</u> <u>1 DFC UNIT</u> 875 LBS (397KG)      850 LBS (385KG)		<b>LIMITING CONDUCTOR INFORMATION</b> DATA CABLES TO TAPE DRIVES FROM PCCA ARE LIMITED TO 20 FT(6M). SBUS CABLE FROM THE DFC TO THE LAST SCSI DISK DRIVE IS LIMITED TO 246 FT(75M) IN LENGTH. DSCH DATA CABLES FROM THE PCCA TO EACH SCSI DFC ARE LIMITED TO 100 FT (30.5M) IN LENGTH.		<b>PLACEMENT RECOMMENDATIONS</b> IT IS RECOMMENDED THAT SDC 0 BE LOCATED ADJACENT AND TO THE RIGHT OF PCCA 1 AND THAT SDC 1 BE LOCATED ADJACENT AND TO THE LEFT OF PIC 0 AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE FOR OFFICES SHIPPED WITH SCSI MHDS (EXCEPT FOR INTERNATIONAL GATEWAY APPLICATIONS). FOR GROWTH OR CONVERSION APPLICATIONS, IT IS RECOMMENDED THAT THE SDC(S) BE LOCATED ADJACENT AND TO THE RIGHT OF T/DC (0 OR 1) OR TUC 0 AS VIEWED FROM THE FRONT OR MAINTENANCE AISLE.	
<b>SYSTEM CABLE CROSS SECTION SQ IN</b> <u>SHIELD 1</u> <u>SHIELD 3</u> <u>SHIELD 4</u> —              1.0              1.0					

**NOTES:**

1. A MIXED APPLICATION IS DEFINED AS AN OFFICE ORIGINALLY EQUIPPED WITH 340 MB MHD'S (EQUIPPED IN A T/DC) THAT GROWS SCSI DUP'S (EQUIPPED IN SDC 0 OR SDC 1) ENABLING THE ADMINISTRATIVE MODULE TO UTILIZE BOTH 340 MB MHD'S AND SCSI DUP'S. INTERNATIONALLY MIXING OF 340MB MHD'S AND SCSI DUP'S IS NOT ALLOWED.
2. A CONVERSION APPLICATION IS DEFINED AS AN OFFICE ORIGINALLY EQUIPPED WITH 340 MB MHD'S WHICH CONVERTS TOTALLY TO SCSI DUP'S OR AN OFFICE ORIGINALLY EQUIPPED WITH 340 MB MHD'S WHICH GROWS SCSI DUP'S (A MIXED APPLICATION) AND THEN CONVERTS TOTALLY TO SCSI DUP'S. IN THIS APPLICATION, THE ADMINISTRATIVE MODULE ONLY UTILIZES SCSI DUP'S.
3. A 2-8 FRONT AISLE IS REQUIRED TO REMOVE SCSI DUP'S FROM THE CABINET.
4. IN MIXED APPLICATIONS, THE T/DC'S CAN BE EQUIPPED WITH EITHER ONE TAPE DRIVE AND 340 MB MHD'S OR JUST 340 MB MHD'S.
5. IN MIXED APPLICATIONS, THE MAXIMUM NUMBER OF DISKS (WHICH INCLUDES THE TOTAL NUMBER OF 340 MB MHD'S AND SCSI DUP'S) THAT CAN BE EQUIPPED IS 16.
6. IN MIXED APPLICATIONS, THE SCSI DISK CABINET WILL BE IDENTIFIED AS (SDC 0) WHEN PRIMARY DISKS 0 AND 1 UTILIZE SCSI DUP'S AND (SDC 1) WHEN PRIMARY DISKS 0 AND 1 UTILIZE 340 MB MHD'S. IN SE8 OR LATER SOFTWARE RELEASES, THE SCSI DISK CABINET WILL BE IDENTIFIED AS (SDC 0) SINCE PRIMARY DISKS 0 AND 1 MUST BE EQUIPPED AS SCSI DUP'S.
7. WHEN PROVIDED IN A MIXED APPLICATION, SDC 0 WILL ALWAYS BE EQUIPPED WITH DFC'S 0 AND 1 WHILE SDC 1 WILL BE EQUIPPED WITH DFC'S 2 AND 3. NOTE THAT IN MIXED APPLICATIONS, EITHER SDC 0 OR SDC 1 WILL BE EQUIPPED BUT NOT BOTH.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27B

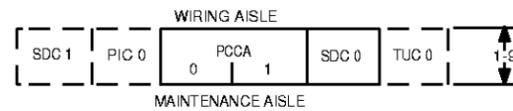
# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
SCSI DISK CABINET (CONTINUED)

TITLE	DWG NO.	DESIGNATION
SCSI DISK CABINET	J1C176C-1	SDC

NOTES:

8. SDC'S ARE NUMBERED 0 & 1 AND ARE EQUIPPED SEQUENTIALLY IN CONVERSION APPLICATIONS AND NEW OFFICES SHIPPED WITH SCSI DUP'S.
9. TUC'S WILL ONLY BE EQUIPPED WITH TAPE DRIVES.
10. WHEN PROVIDED, SDC 0 WILL ALWAYS UTILIZE DFC'S 0 AND 1 REGARDLESS OF THE APPLICATION. DFC'S 0 AND 1 WILL BE LOCATED IN THE PCCA IN OFFICES SHIPPED WITH SCSI DUP'S WHILE DFC'S 0 AND 1 WILL BE LOCATED IN SDC 0 IN MIXED APPLICATIONS EQUIPPED WITH SDC 0 AND IN CONVERSION APPLICATIONS.
11. WHEN PROVIDED, SDC 1 WILL ALWAYS BE EQUIPPED WITH AND UTILIZE DFC'S 2 AND 3 REGARDLESS OF THE APPLICATION.
12. THE FOLLOWING FLOORPLANS ARE BASED UPON STANDARD RECOMMENDED CONFIGURATIONS. IF A SITUATION ARISES IN WHICH A FLOORPLAN IS NOT REPRESENTED BASED UPON THE ALIGNMENT OF THE ADMINISTRATIVE MODULE CABINETS AND THE SDC'S (THE ADMINISTRATIVE MODULE CABINETS AND THE SDC'S REQUIRE ALIGNMENT ON THE WIRING AISLE SIDE AS OPPOSED TO THE MAINTENANCE AISLE SIDE), THE SDC'S SHOULD BE ARRANGED IN THE SAME MANOR AS THE CABINETS REPRESENTED IN AS-6. AS-6 SHOWS THE TYPICAL PLACEMENT OF STANDARD 21" DEEP CABINETS NEXT TO 30" DEEP CABINETS.



13. 3B20D MODEL 3 PROCESSOR ARRANGEMENT (OFFICES SHIPPED WITH SCSI DUP'S)

- \* SDC 0 IS EQUIPPED WITH ONE TAPE DRIVE AND CAN BE EQUIPPED WITH UP TO 16 SCSI DUP'S (0-15).
- \* SDC 1 IS EQUIPPED WITH DFC'S 2 & 3 AND CAN BE EQUIPPED WITH UP TO 16 SCSI DUP'S (16-31).
- \* TUC 0 PROVIDES THE SECOND TAPE DRIVE FOR THE 3B20D PROCESSOR.

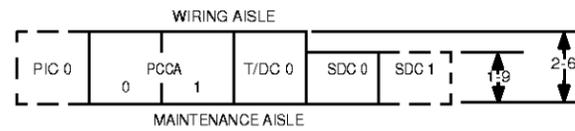
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27C

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
SCSI DISK CABINET (CONTINUED)

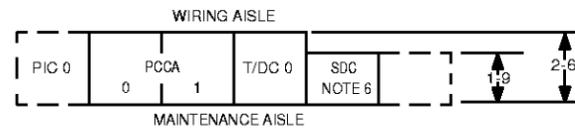
TITLE	DWG NO.	DESIGNATION
SCSI DISK CABINET	J1C176C-1	SDC

NOTES:



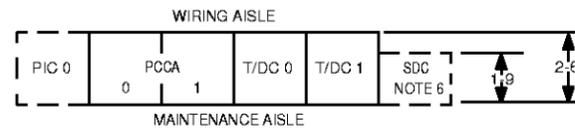
14. CONVERSION APPLICATION FOR OFFICES THAT UTILIZE A 3B20D MODEL 3 PROCESSOR EQUIPPED WITH 340 MB MHD'S.

- \* T/DC 0 IS EQUIPPED WITH EITHER 1 OR 2 TAPE DRIVES ONLY.
- \* SDC 0 IS EQUIPPED WITH DFC'S 0 & 1 AND CAN BE EQUIPPED WITH UP TO 16 SCSI DUP'S (0-15).
- \* SDC 1 IS EQUIPPED WITH DFC'S 2 & 3 AND CAN BE EQUIPPED WITH UP TO 16 SCSI DUP'S (16-31).



15. MIXED APPLICATION WHERE FOUR 340 MB MHD'S ARE EQUIPPED IN OFFICES THAT UTILIZE A 3B20D MODEL 3 PROCESSOR EQUIPPED WITH 340 MHD'S

- \* T/DC 0 IS EQUIPPED WITH ONE TAPE DRIVE AND CAN BE EQUIPPED WITH UP TO FOUR 340MB MHD'S.
- \* THE SDC CAN BE EQUIPPED WITH UP TO 12 SCSI DUP'S



16. MIXED APPLICATION WHERE EITHER SIX OR MORE 340 MB MHD'S ARE EQUIPPED OR TWO TAPE DRIVES ARE EQUIPPED IN OFFICES THAT UTILIZE A 3B20D MODEL 3 PROCESSOR EQUIPPED WITH 340 MHD'S.

- \* T/DC 0 IS EQUIPPED WITH ONE TAPE DRIVE AND FOUR 340 MB MHD'S
- \* T/DC 1 CAN BE EQUIPPED WITH UP TO EIGHT 340 MB MHD'S OR ONE TAPE DRIVE AND UP TO FOUR 340 MB MHD'S
- \* THE SDC CAN BE EQUIPPED WITH UP TO 12 SCSI DUP'S.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27D

0 1 2 3 4 5 6 7 8 9

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
SCSI DISK CABINET (CONTINUED)

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H

TITLE	DWG NO.		DESIGNATION
SCSI DISK CABINET	J1C176C-1		SDC

NOTES:

17. 3B20D MODEL 3 PROCESSOR ALTERNATE ARRANGEMENT FOR EXTENDED TAPE DRIVE CAPABILITY.

18. WHEN PROVIDING SDC 1 AND PIC 0, FLOOR SPACE FOR TUC 1 AND TUC 2 MUST BE LEFT IF GROWTH OF ADDITIONAL TUCS IS TO BE POSSIBLE.



0 1 2 3 4 5 6 7 8 9

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27E

# P/O AS-2

5ESS<sup>®</sup> SWITCHING SYSTEM FLOORPLAN DATA  
HIGHGATE MODULE CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
HIGHGATE MODULE	J1P186A-1	SQ FT (SQ M) 13.3 (1.24)	HMC	<u>CROSS SECTION</u> FIGURE 8	<u>DOOR SWING</u> FIGURE 9
WEIGHT LBS(KG) 750(340)		LIMITING CONDUCTOR INFORMATION  REFERENCE THE DATAKIT II APPLICATION SCHEMATIC (SD-3P307-01) AND THE DATAKIT II VCS PLANNING AND IMPLEMENTATION GUIDE (255-110-600) FOR LIMITING CONDUCTOR INFORMATION ASSOCIATED WITH THE HMC.		PLACEMENT RECOMMENDATIONS  THE HMC SHOULD BE PLACED IN THE LAST CABINET LINEUP OR IN A LINEUP WHICH CONTAINS A BUILDING SUPPORT COLUMN.  THE HMC REQUIRES A MAINTENANCE AISLE SPACING OF 3 FEET AND THE A WIRING AISLE SPACING OF 3 FEET REGARDLESS OF THE LOCATION (AS STARTED ABOVE) OF THE HMC.  BECAUSE THE HMC (35 X 28 X 78") IS PHYSICALLY LARGER THAN THE STANDARD CABINET USED THROUGHOUT THE 5ESS (30 X 21 X 72"), A PORTION OF A LINEUP (A PORTION OF A LINEUP IS DEFINED AS ANY SECTION OF AN AISLE THAT IS DIVIDED INTO SECTIONS DUE TO THE PLACEMENT OF COLUMNS AND/OR CROSS AISLES) CONTAINING A HMC SHOULD NOT CONTAIN ANY OTHER TYPE OF CABINET MOUNTED CONTIGUOUSLY TO THE HMC.  IT IS POSSIBLE TO EQUIP UP TO SIX HIGHGATE MODULES BETWEEN COLUMNS UNLESS THE SIZE OF THE COLUMNS LIMITS THE FLOOR SPACE FOR MOUNTING THE HIGHGATE MODULES. IF THIS OCCURS, ONLY FIVE HIGHGATE MODULES (THREE NODES) MAY BE EQUIPPED BETWEEN THE COLUMNS.  THE DATA SET CABINET THAT THE HMC WILL BE INTERFACING WITH SHOULD BE PLACED AS CLOSE AS POSSIBLE TO THE HMC IN ORDER TO REDUCE CABLING LENGTHS.	
SYSTEM CABLE CROSS SECTION SQ IN					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
3.0	20.0	2.0			
NOTES: 1. BECAUSE OF THE NON STANDARD HEIGHT OF THE HMC (6-6), A UNIQUE CABLE RACK IS REQUIRED. THIS CABLE RACK CAN BE FOUND ON THE ED-5D509-70 DRAWING. 2. HMC FRAMES ARE NUMBERED CONSECUTIVELY STARTING FROM (NODE) 0. NODE IS THE TERM USED BY DATAKIT II VCS (HIGHGATE) TO IDENTIFY THE HMC FRAME(S). NOTE: IT IS POSSIBLE FOR UP TO TWO HMC FRAMES TO BE ASSIGNED THE SAME NODE NUMBER SINCE ANY GIVEN NODE CAN BE MADE UP OF ONE OR TWO HMCS.					

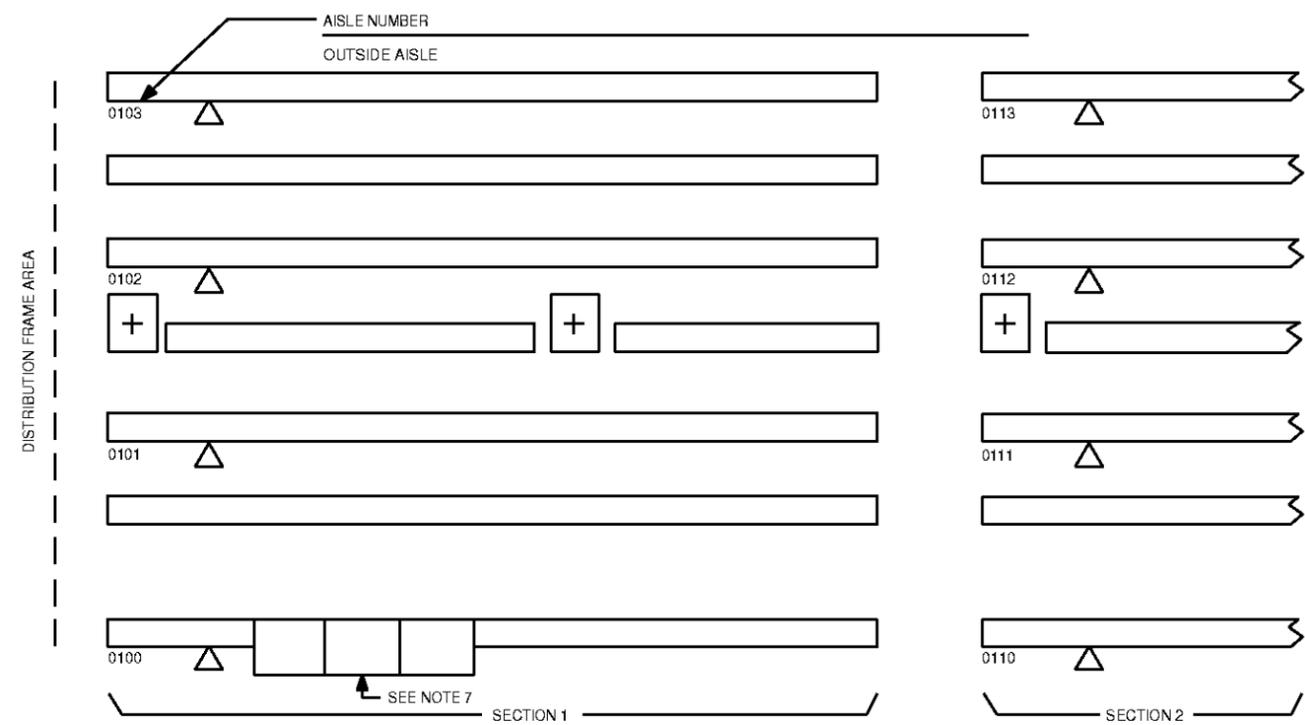
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B27F

# AS-3

aisle numbering

NOTES:

1. THE FIRST TWO DIGITS OF THE AISLE NUMBER REPRESENT THE FLOOR NUMBER. THE SECOND TWO DIGITS OF THE AISLE NUMBER REPRESENTS THE MAINTENANCE AISLE.
2. FLOOR NUMBERING 00, REPRESENTS THE BASEMENT LEVEL WITH 0A,0B, ETC. INDICATING LOWER LEVELS AND 01,02, ETC. REPRESENTS THOSE FLOORS ABOVE THE BASEMENT.
3. MAINTENANCE AISLES ARE NUMBERED FROM 00. AISLE NUMBERS SHOULD BE RESERVED IN GROUPS OF 10 TO ACCOMMODATE THE ULTIMATE OFFICE GROWTH OF EACH SECTION AND ASSURE A CONSECUTIVE NUMBERING ARRANGEMENT. IF HOWEVER, EACH SECTION WAS TO CONTAIN MORE THAN 10 AISLES, THEN 20 NUMBERS WOULD BE RESERVED FOR EACH SECTION AND AISLE NUMBERING FOR SECTION 2 WOULD THEN START AT 0102. AISLE NUMBERING FOR SECTION 1 WOULD REMAIN UNCHANGED.
4. WIRING AISLES ARE NOT NUMBERED.
5. AN ALPHANUMERIC CONTROL GROUP DESIGNATION SHALL BE ASSIGNED TO EACH ESS CONTROL GROUP IN A CENTRAL OFFICE BUILDING. DESIGNATIONS D0 TO D9 HAVE BEEN ALLOCATED FOR NO. 5ESS R AND SHALL BE ASSIGNED IN NUMERICAL SEQUENCE BEGINNING WITH D0. THE CONTROL GROUP NUMBER APPEARS ON THE CABINET DESIGNATION STRIP, BOTH FRONT AND BACK. ON FLOORPLANS WHERE ONLY ONE CONTROL GROUP IS SHOWN ON THE SHEET, INDICATE THE CONTROL GROUP DESIGNATION IN A SHEET NOTE. WHERE MORE THAN ONE CONTROL APPEARS ON A SHEET, IDENTIFY THE AREA BY USING BRACKETS, BROKEN LINES BETWEEN OR AROUND AREAS, OR THE CONTROL GROUP DESIGNATION PREFIXING EACH CABINET NUMBERS.
6. "▲" INDICATES FRONT OR MAINTENANCE SIDE OF LINE-UP.
7. THE LARGE CABINETS REPRESENTED IN AISLE 0100 ARE THE 30" DEEP CABINETS REQUIRED FOR 3B20D PROCESSOR APPLICATIONS UTILIZING EITHER THE 300MB MHDS OR THE 340MB MHDS. IN SCSI APPLICATIONS, THE 30" DEEP CABINETS ARE REPLACED WITH 21" DEEP CABINETS WHICH CONFORM WITH THE REST OF THE CABINETS USED IN THE 5ESS SWITCH.

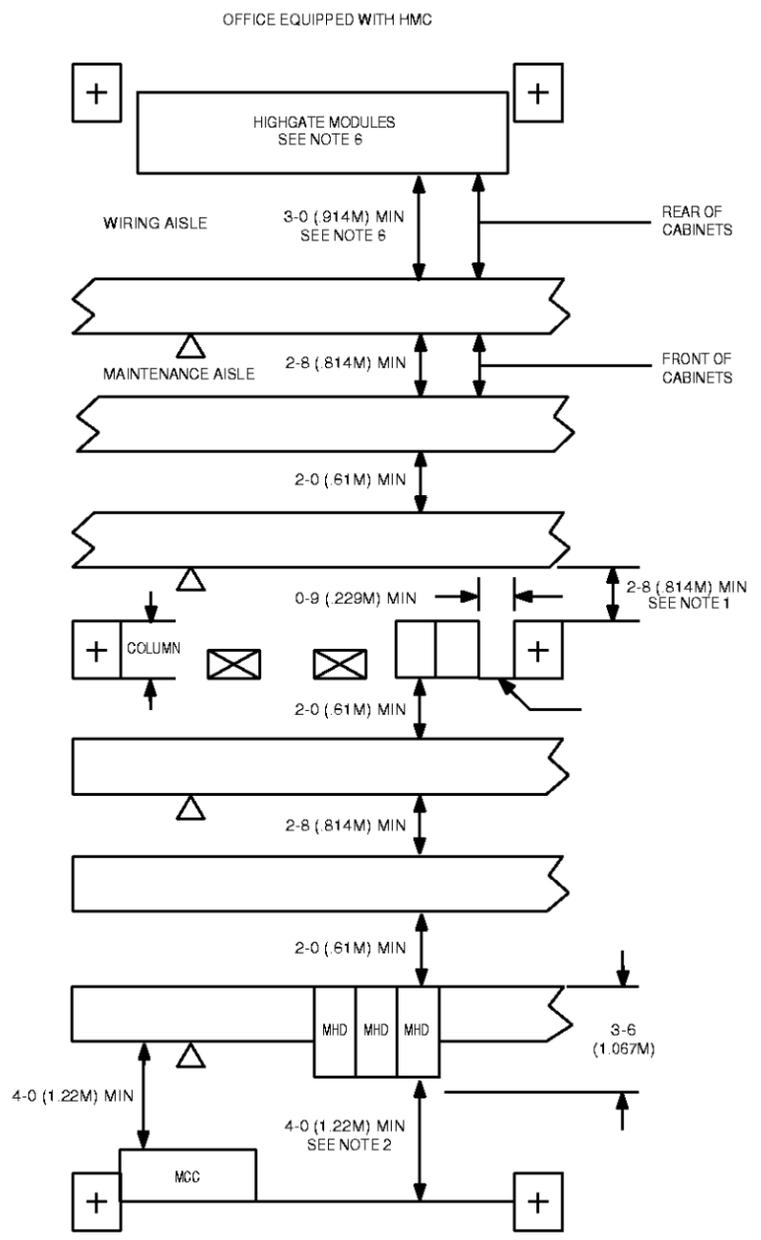
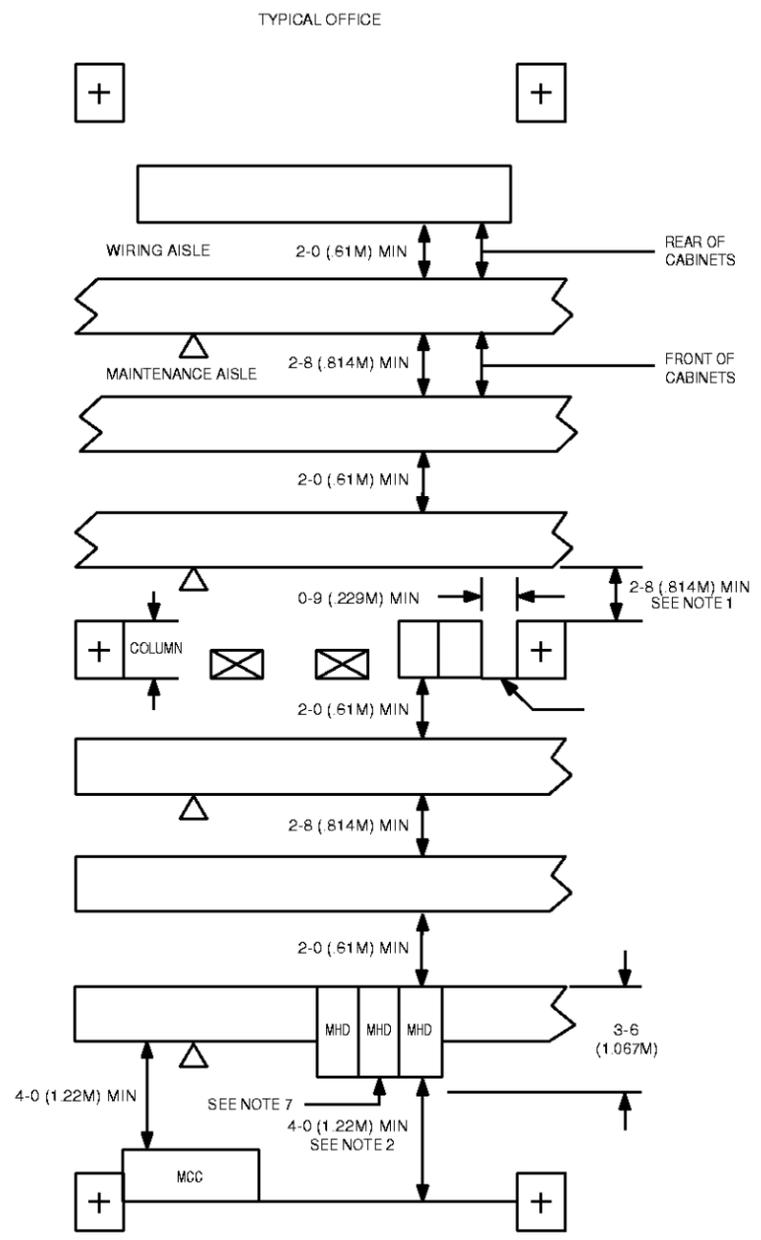


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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B28

# AS-4

## AISLE SPACING

A  
B  
C  
D  
E  
F  
G  
H



### NOTES

- IN GENERAL, A UNIFORM SPACING OF AISLES, WIRING MINIMUM 2-0 (.610M) AND A MAINTENANCE 2-8 (.814M) AFTER DOOR INSTALLATION SHOULD BE MAINTAINED BETWEEN CABINET LINEUPS THAT ARE IN LINE WITH THE BUILDING COLUMNS. UNDER CERTAIN CONDITIONS, IT MAY BE DESIRABLE TO LEAVE VACANT SPACE IN THE CABINET LINE-UP OPPOSITE THE COLUMN WHEN THERE IS INSUFFICIENT SPACE FOR CABINET MAINTENANCE OR FOR MOVEMENT OF PORTABLE TEST EQUIPMENT THROUGH THE AISLE. A 2-8 (.613M) AISLE AFTER DOOR INSTALLATION IS A CONSIDERED THE MINIMUM SPACE REQUIRED FOR INSTALLATION OF 5ESS CABINETS.
- A MINIMUM AISLE OF 4-0 (1.219M) AFTER DOOR INSTALLATION IS REQUIRED IN FRONT OF THE MASTER CONTROL CENTER (CONSOLE OR CABINETS) OR SUPPLEMENTARY LINE AND TRUNK WORK STATION AND PROCESSOR CABINETS. A 4-0 (1.219M) MINIMUM AISLE AFTER DOOR INSTALLATION IS RECOMMENDED IN THE PROCESSOR AREA TO ACCOMMODATE MHD MAINTENANCE. IN MODEL 3 PROCESSOR APPLICATIONS, A MINIMUM MAINTENANCE AISLE WIDTH OF 3-0 (.914M) IS REQUIRED TO ALLOW FULL EXTENSION OF DISKS ON TRAY SLIDES.
- A MINIMUM GAP OR SPACING OF 2 INCHES (.051M) SHOULD BE MAINTAINED BETWEEN EQUIPMENT ON ESS GROUND AND EQUIPMENT ON BUILDING GROUNDS.
- WHEN COLUMN SPACING VARIES FROM THE STANDARD 20-0 (6.10M), MAINTENANCE AND WIRING AISLES MAY BE ALTERED TO MEET SPECIFIC JOB REQUIREMENTS; INDICATED MINIMUMS MAY BE VIOLATED. FURTHER GUIDANCE ON EQUIPMENT LOCATION IN BUILDINGS WITH NONSTANDARD COLUMN SPACING IS FOUND IN LUCENT TECHNOLOGIES PRACTICE SECTION 760-100-032.
- END AISLE AND OUTSIDE AISLE DIMENSIONS SHOULD BE SPECIFIED SUCH THAT THEY SATISFY TRAFFIC AND SAFETY REQUIREMENTS. SEE OSHA (OCCUPATIONAL SAFETY AND HEALTH ACT) AND LOCAL REQUIREMENTS FOR ADDITIONAL DETAILS. END AISLE SPACING ALONG THE DISTRIBUTING FRAME AREA IS SPECIFIED IN FPD 801-005-164. A MINIMUM END AISLE OF 3-0 (.914M) IS RECOMMENDED IN GENERAL, A MINIMUM OF 4-0 (1.219M) IS REQUIRED BETWEEN 5ESS AND ALL OTHER FRAMEWORKS. THE FOLLOWING RECOMMENDED EXCEPTIONS MAY BE MADE TO MEET SPECIFIC APPLICATION REQUIREMENTS:  
 MINIMUM 2-0 (.610M)  
 1. 5ESS EQUIPMENT IN 7 FT. HIGH CABINETS OR FRAMES  
 2. CARRIER EQUIPMENT  
 3. CUSTOMER PREMISE EQUIPMENT  
 4. STEP BY STEP  
 5. NO. 5 CROSS BAR  
 6. POWER EQUIPMENT  
 7. OTHER ESS  
 MINIMUM 8-0 (2.440M) FROM MICROWAVE RADIO/WAVE GUIDE.  
 CAUTION: MINIMUM MAINTENANCE, WIRING AISLES, OSHA AND LOCAL REQUIREMENTS MAY NOT BE VIOLATED.
- A MINIMUM AISLE SPACING OF 3-0 (.914M), AFTER DOOR INSTALLATION, IS REQUIRED IN FRONT (MAINTENANCE AISLE) AND IN BACK (WIRING AISLE) OF THE HIGHGATE MODULE IN ORDER TO ACCOMMODATE MAINTENANCE WORK ON THE HIGHGATE MODULE.

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Lucent Technologies	SD-5D001-01	SHEET <b>B29</b>

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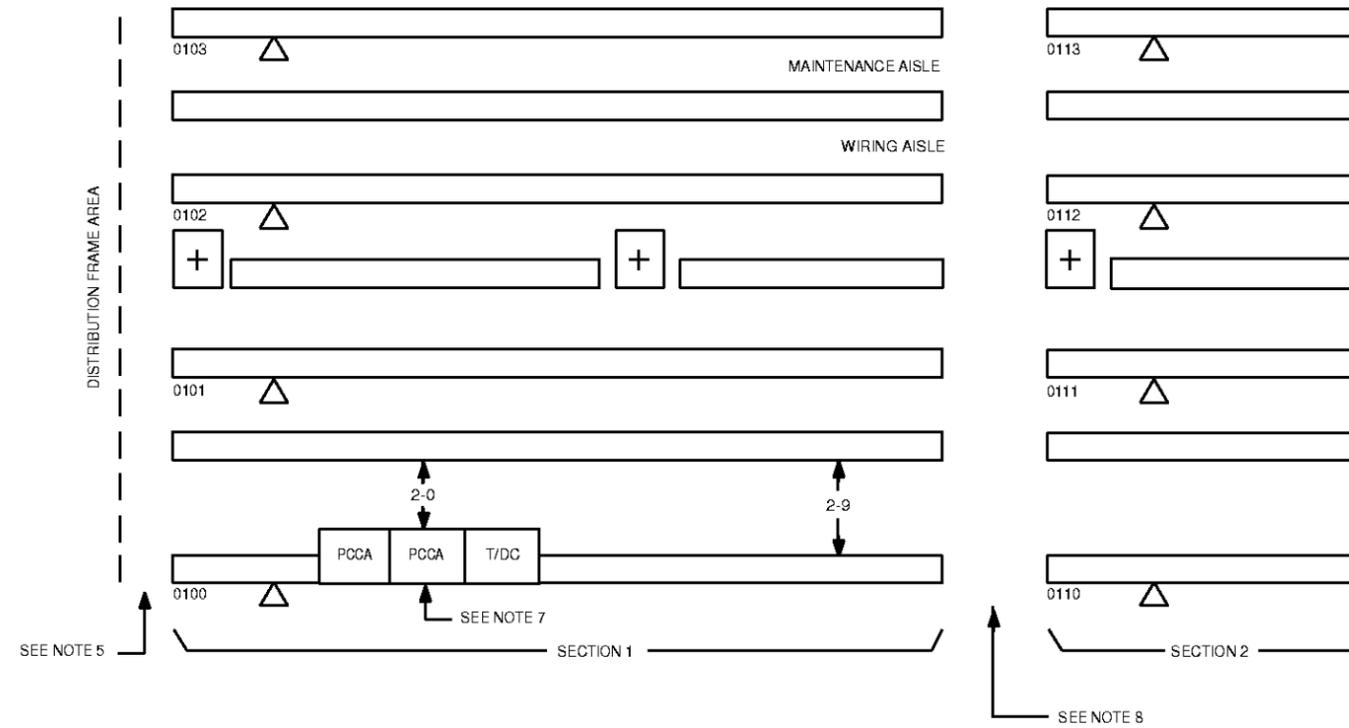
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# P/O AS-4

AISLE SPACING

NOTES (CONT):

7. THE LARGE CABINETS REPRESENTED AS "MDH", "PCCA", AND "T/DC" ARE THE 30" DEEP CABINETS REQUIRED FOR 3B20D PROCESSOR APPLICATIONS UTILIZING EITHER THE 300MB MHDS OR THE 340MB MHDS. IN SCSI APPLICATIONS, THE 30" DEEP CABINETS ARE REPLACED WITH 21" DEEP CABINETS WHICH CONFORM WITH THE REST OF THE CABINETS USED IN THE 5ESS SWITCH AND ARE DESIGNATED AS "MH", "PCCA", AND "SDC" RESPECTIVELY FOR PURPOSES OF AS-4.
8. THE MAIN AISLE WIDTH BETWEEN TWO GROUPS OF 5ESS EQUIPMENT IS A MINIMUM OF 4-0 (1.219M).



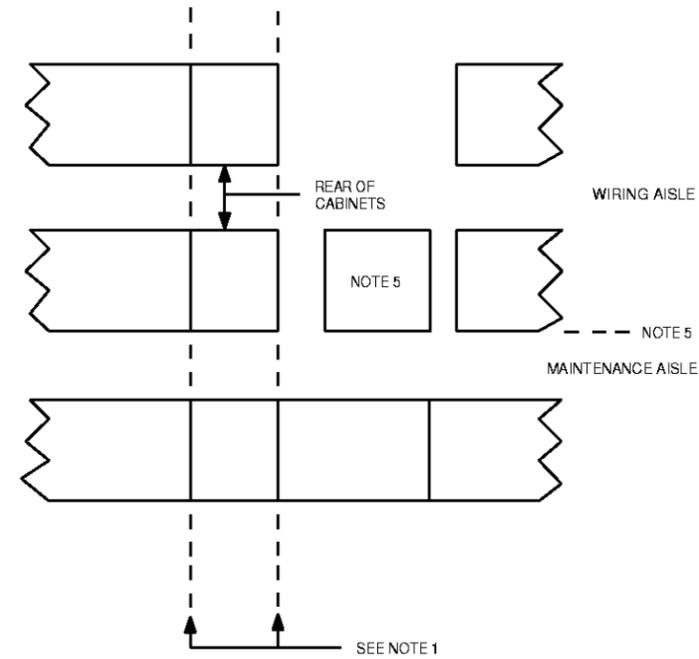
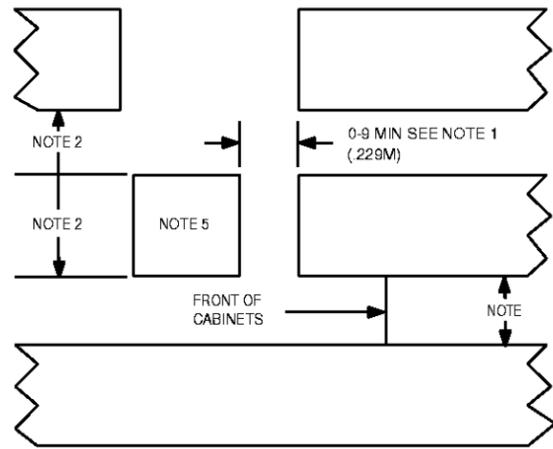
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FLOORPLAN DATA	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D001-01	SHEET B30

# AS-5

## COLUMNS AND COLUMN SPACING

### NOTES:

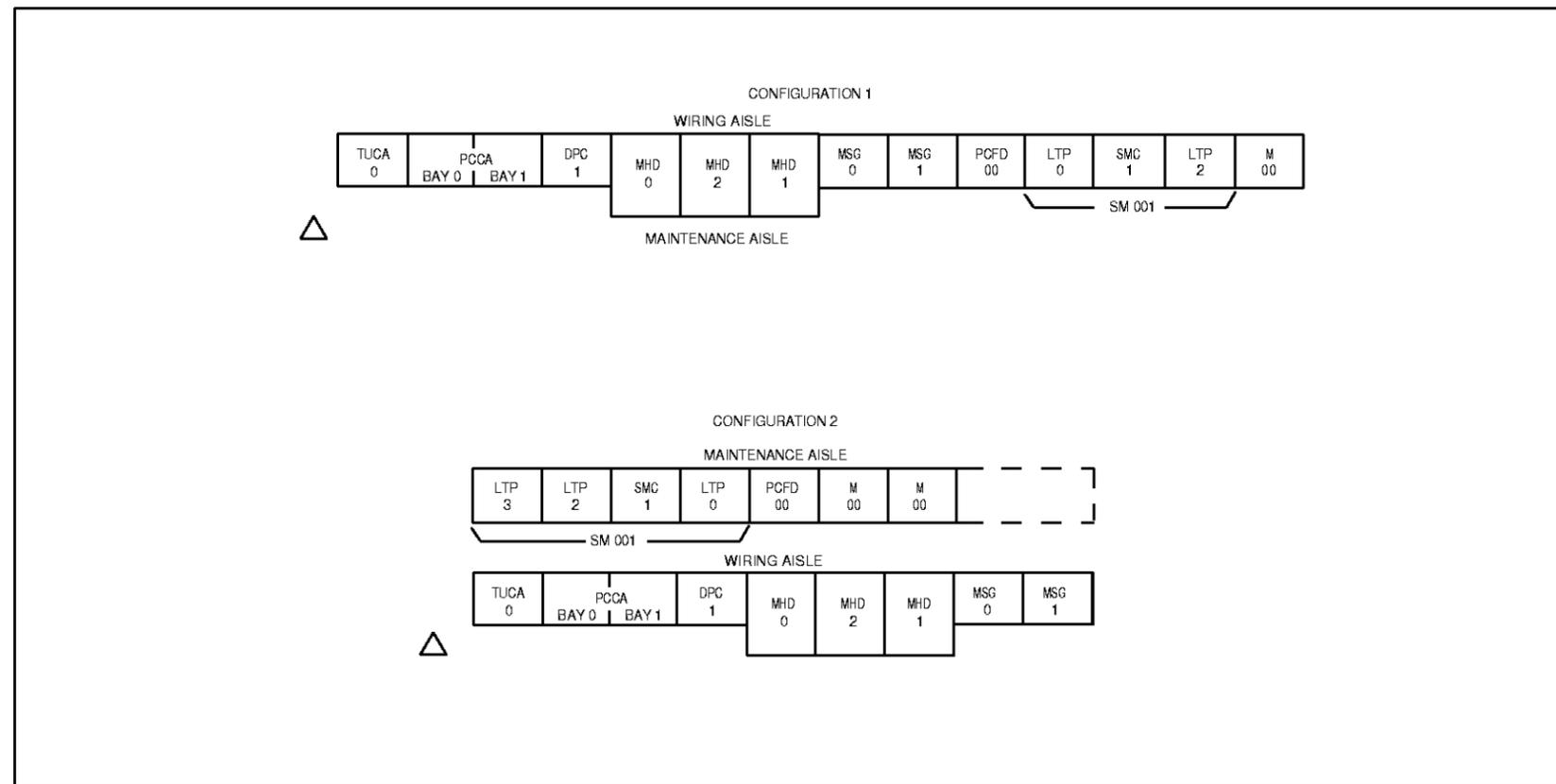
1. CABINETS IN THE COLUMN LINE SHOULD BE AT LEAST 9 INCHES (229M) FROM THE COLUMN. THIS 9 INCH (229M) DIMENSION IS NOT TO BE USED A STARTING POINT FOR LOCATING CABINETS AS CABINETS LOCATED BETWEEN COLUMNS MUST BE ALIGNED WITH THE CABINETS IN THE ADJACENT LINEUPS THROUGHOUT THE OFFICE IN ORDER TO ACCOMMODATE CROSS-AISLE CABLE RACKS AND CABINET SUPPORTED LIGHTING.
2. THE DEPTH OF THE COLUMN IS NOT CONSIDERED SIGNIFICANT AS LONG AS THE MINIMUM AISLE DIMENSIONS ARE MET ALONG THE ENTIRE LENGTH OF THE AISLE.
3. THE REFERENCE MARK SHOWN INDICATES THAT THE LOCATION OF EQUIPMENT LINEUPS IS REFERENCED TO THAT FACE OF THE COLUMN.
4. CARE SHOULD BE TAKEN WHEN PLACING EQUIPMENT LINEUP BETWEEN COLUMNS:
  - TO ASSURE THAT CABLE HOLES (FOR ACCESS BETWEEN BUILDING FLOORS) ARE NOT OBSTRUCTED.
  - TO AVOID EXCESS BUILD-UP OF CABLES.
5. WHERE THE TERM COLUMN IS USED, IT SHOULD BE UNDERSTOOD THAT THE RECOMMENDATIONS MADE HEREIN SHOULD ALSO APPLY TO ANY PERMANENT UPRIGHT FLOOR OBSTACLE SUCH AS AIR CONDITIONING DUCTS, VERTICAL CABLE RACKS, ETC.
6. WHEN EQUIPMENT IS LOCATED IN MULTISTORY BUILDINGS, CABINETS WITHIN COLUMN LINES MAY NOT OBSTRUCT CABLE HOLES. SEE LUCENT TECHNOLOGIES, PRACTICE 800-610-164 FOR GUIDANCE IN LOCATING CABINETS IN COLUMN LINES IN THESE CASES.



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Lucent Technologies	SD-5D001-01	SHEET B31

# P/O AS-6

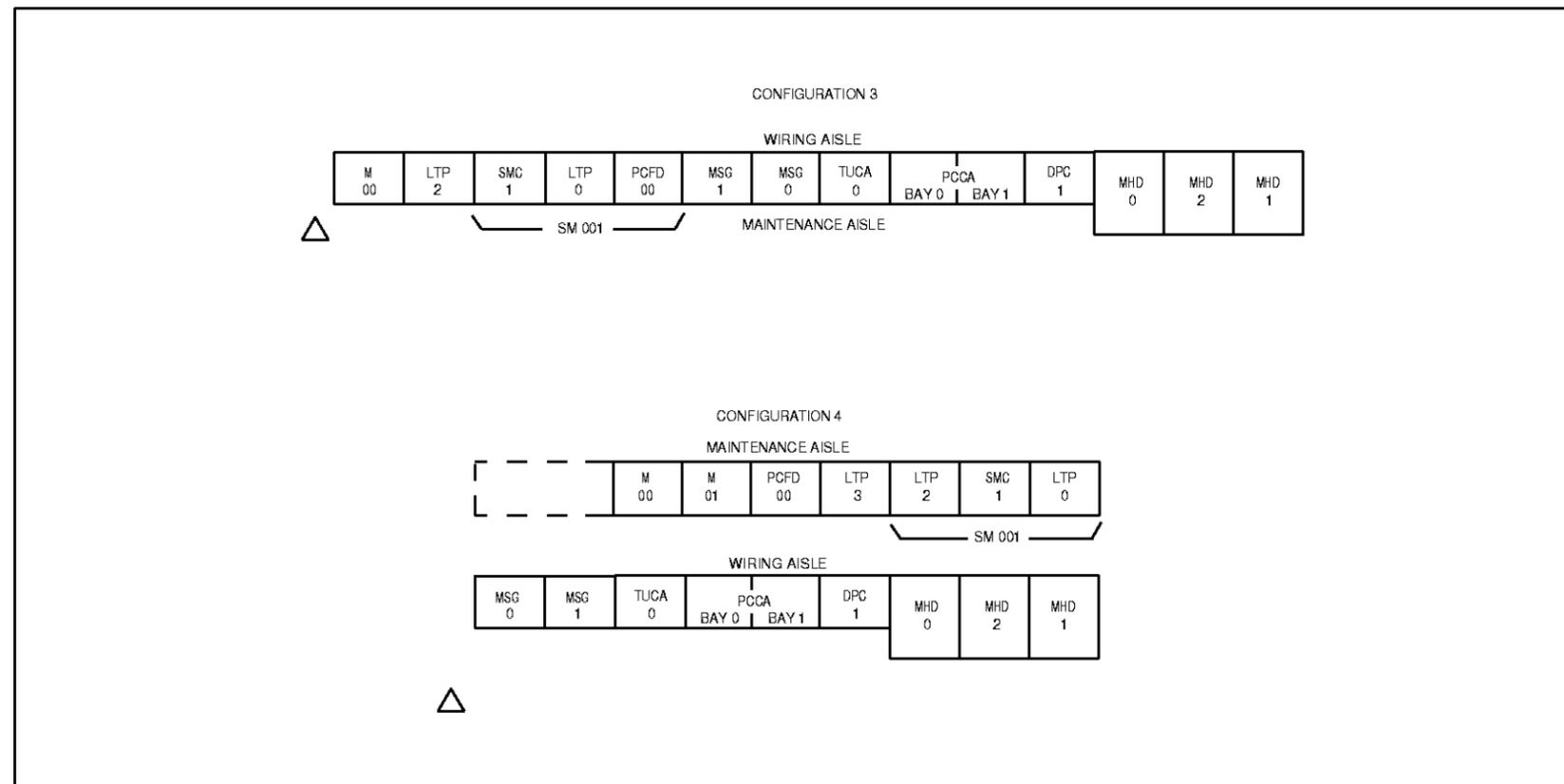
TYPICAL FLOORPLANS  
SINGLE SWITCHING MODULE-3B20D MODEL 2 PROCESSOR



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FLOORPLAN DATA	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D001-01	SHEET B32

# P/O AS-6

TYPICAL FLOORPLANS  
SINGLE SWITCHING MODULE-3B20D MODEL 2 PROCESSOR (CONTINUED)



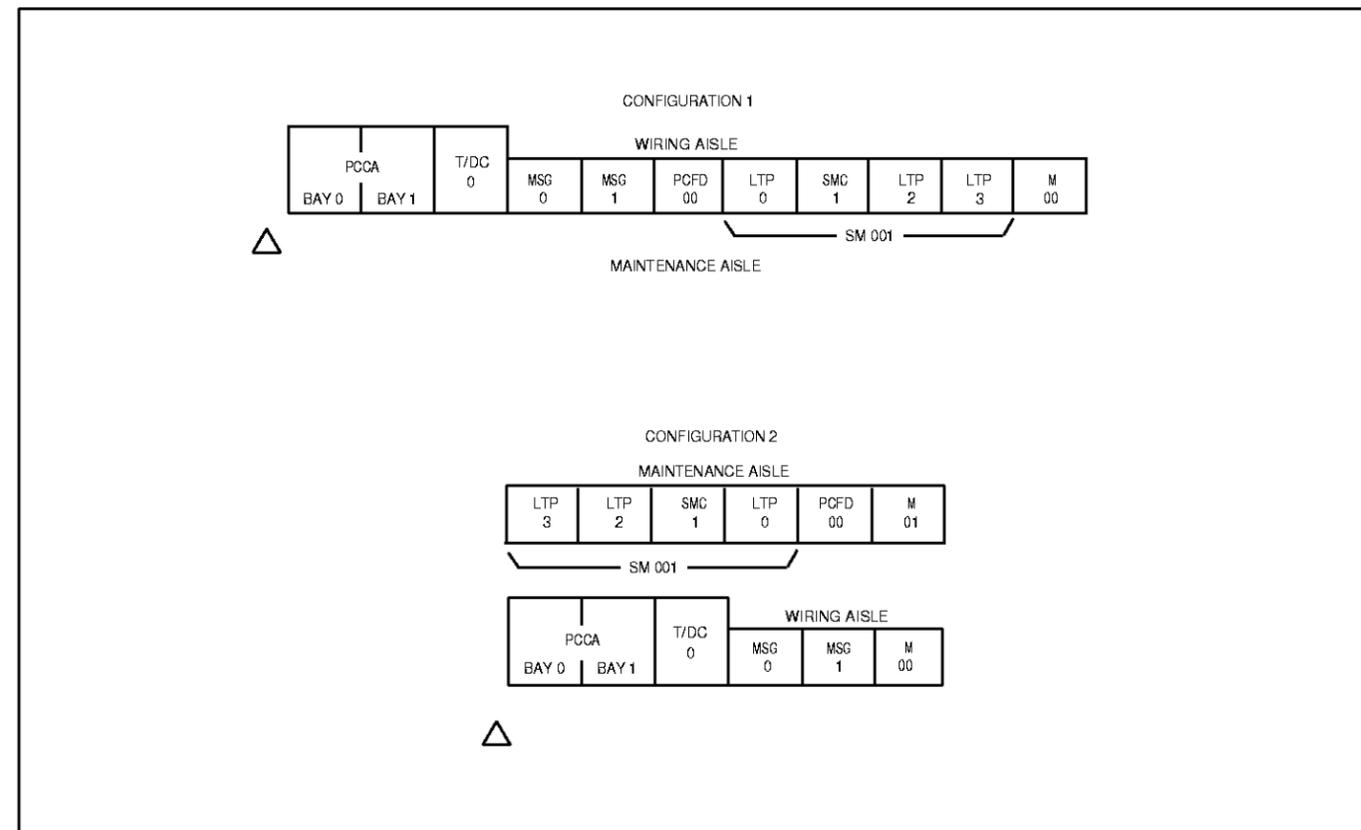
Copyright (C) 1997 Lucent Technologies All Rights Reserved		
FLOORPLAN DATA	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D001-01	SHEET B33

# P/O AS-6

TYPICAL FLOORPLANS  
SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR  
(EQUIPPED WITH 340MB MHDS)

NOTES:

- MSG-0 AND MSG-1 ARE REPLACED WITH CM-5 AND CM-6 RESPECTIVELY FOR APPLICATIONS UTILIZING THE COMMUNICATION MODULE 2.



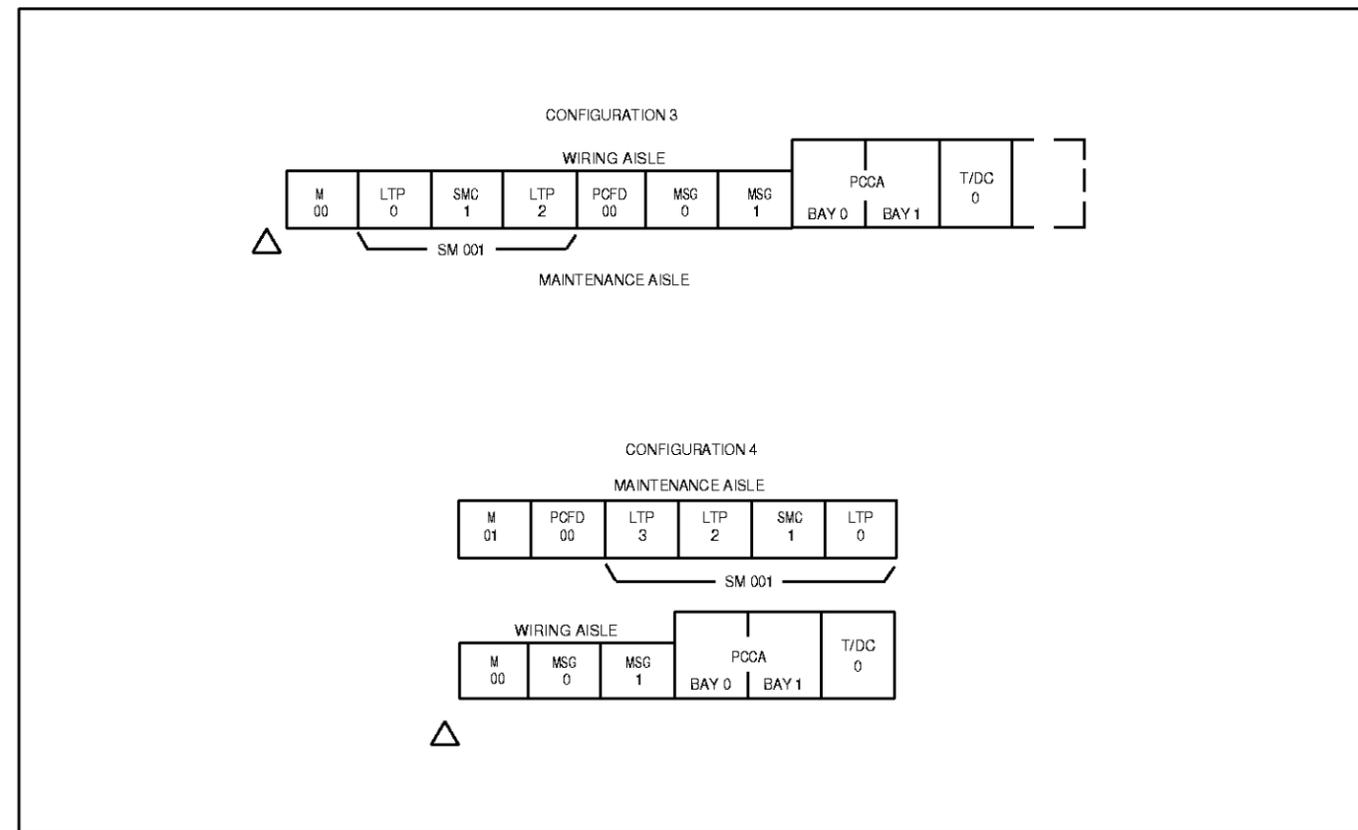
Copyright (C) 1997 Lucent Technologies All Rights Reserved		
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Lucent Technologies	SD-5D001-01	SHEET B34A

# P/O AS-6

TYPICAL FLOORPLANS  
 SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR (CONTINUED)  
 (EQUIPPED WITH 340MB MHDS)

NOTES:

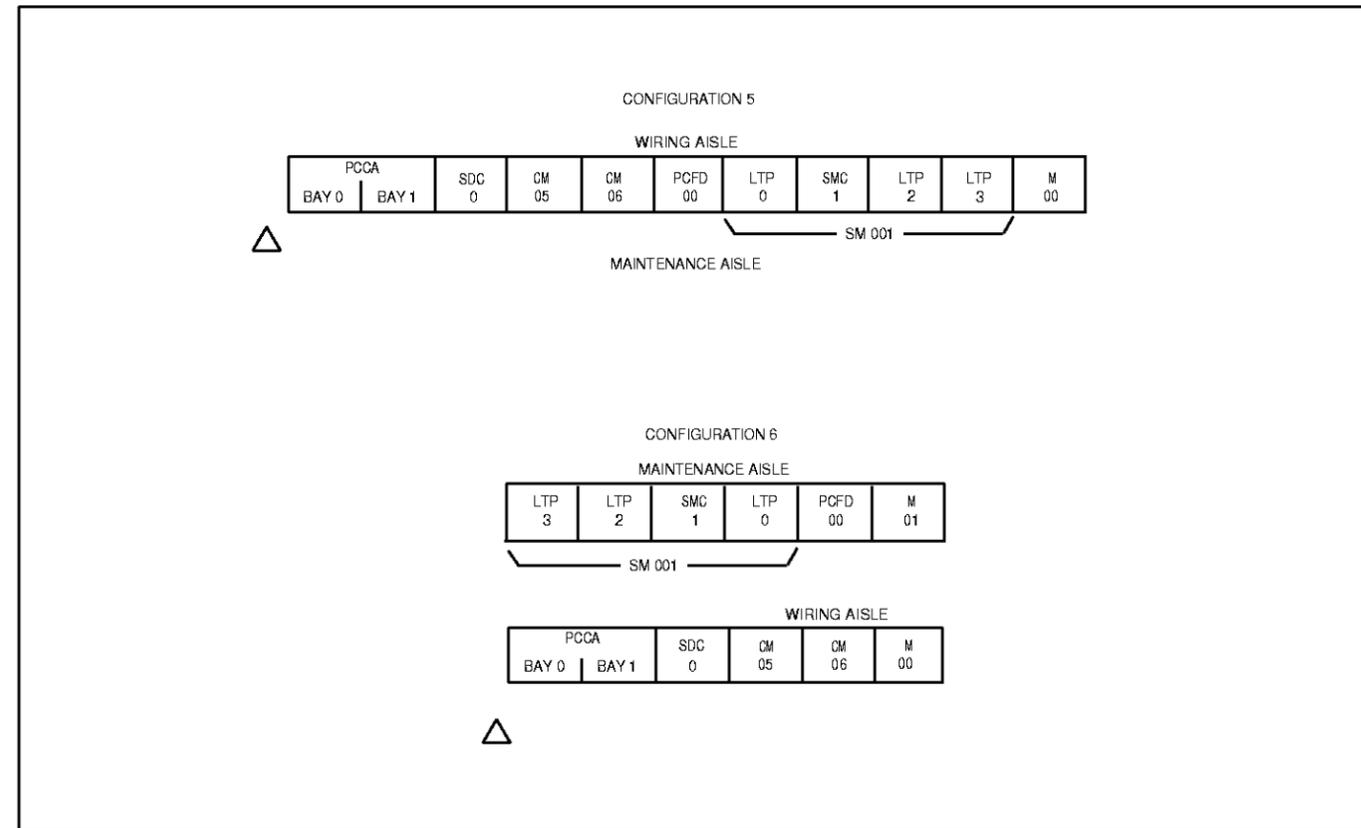
- MSG-0 AND MSG-1 ARE REPLACED WITH CM-5 AND CM-6 RESPECTIVELY FOR APPLICATIONS UTILIZING THE COMMUNICATION MODULE 2.



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Lucent Technologies	SD-5D001-01	SHEET B34B

# P/O AS-6

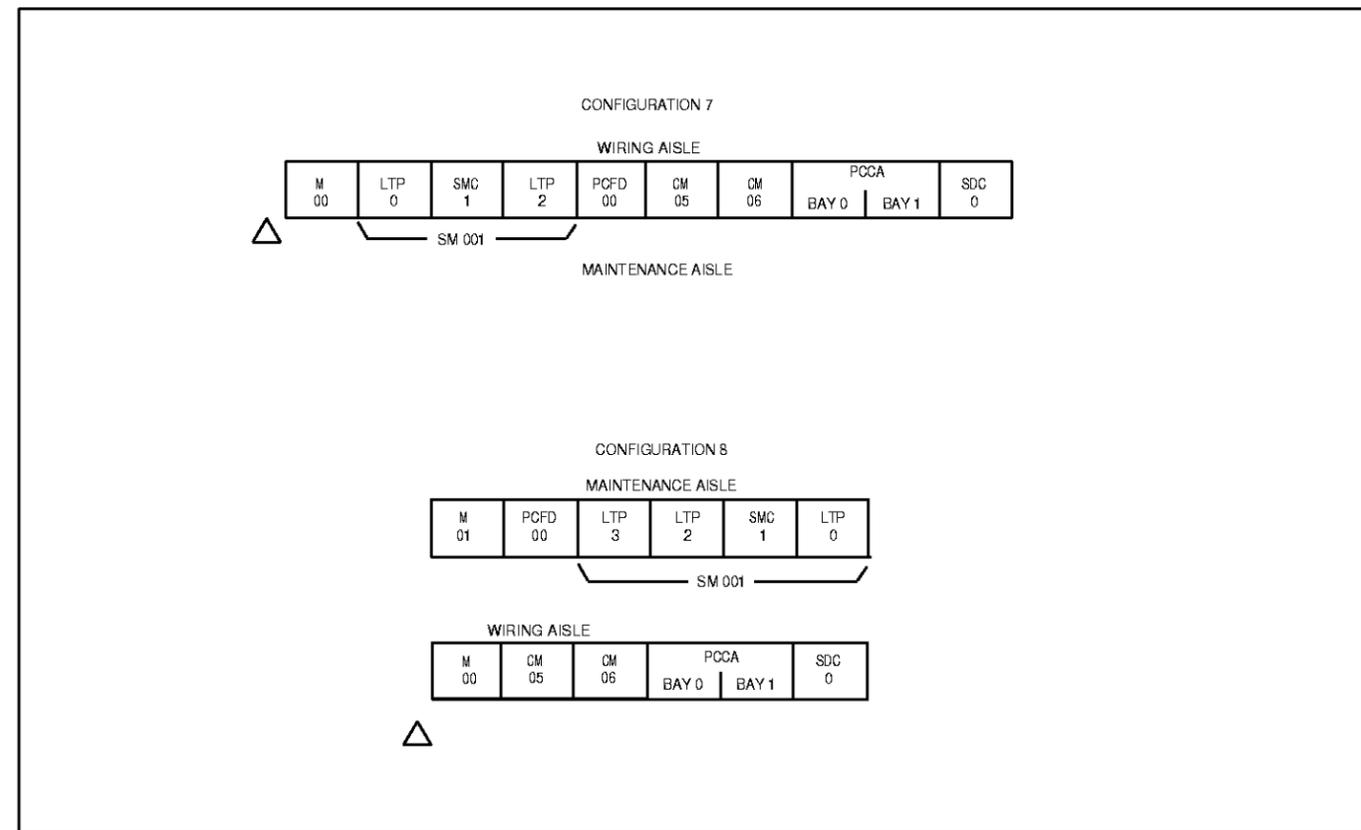
TYPICAL FLOORPLANS  
 SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR  
 (EQUIPPED WITH SCSI MHDS)



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Lucent Technologies	SD-5D001-01	SHEET B34C

# P/O AS-6

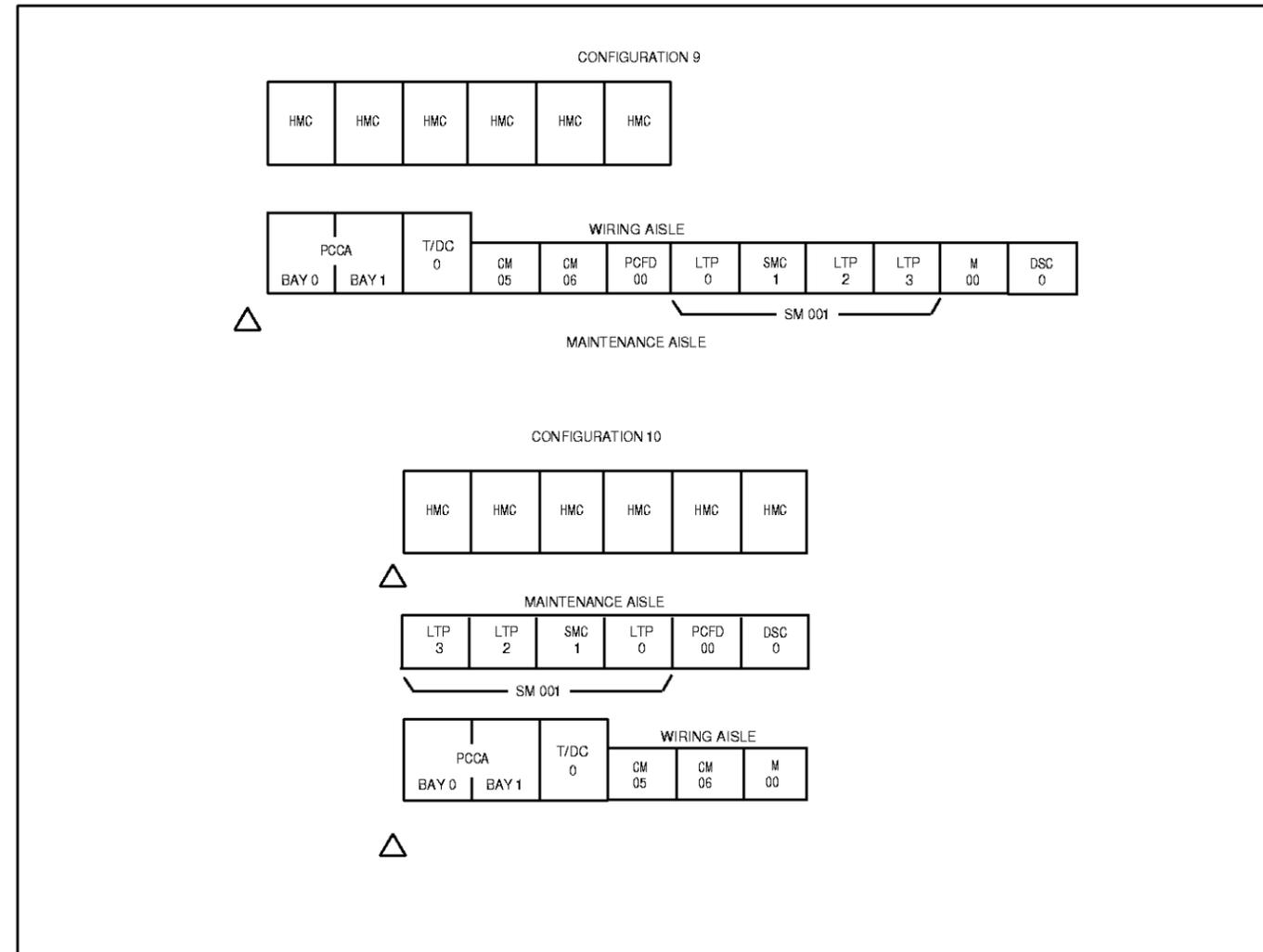
TYPICAL FLOORPLANS  
 SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR (CONTINUED)  
 (EQUIPPED WITH SCSI MHDS)



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Lucent Technologies	SD-5D001-01	SHEET B35A

# P/O AS-6

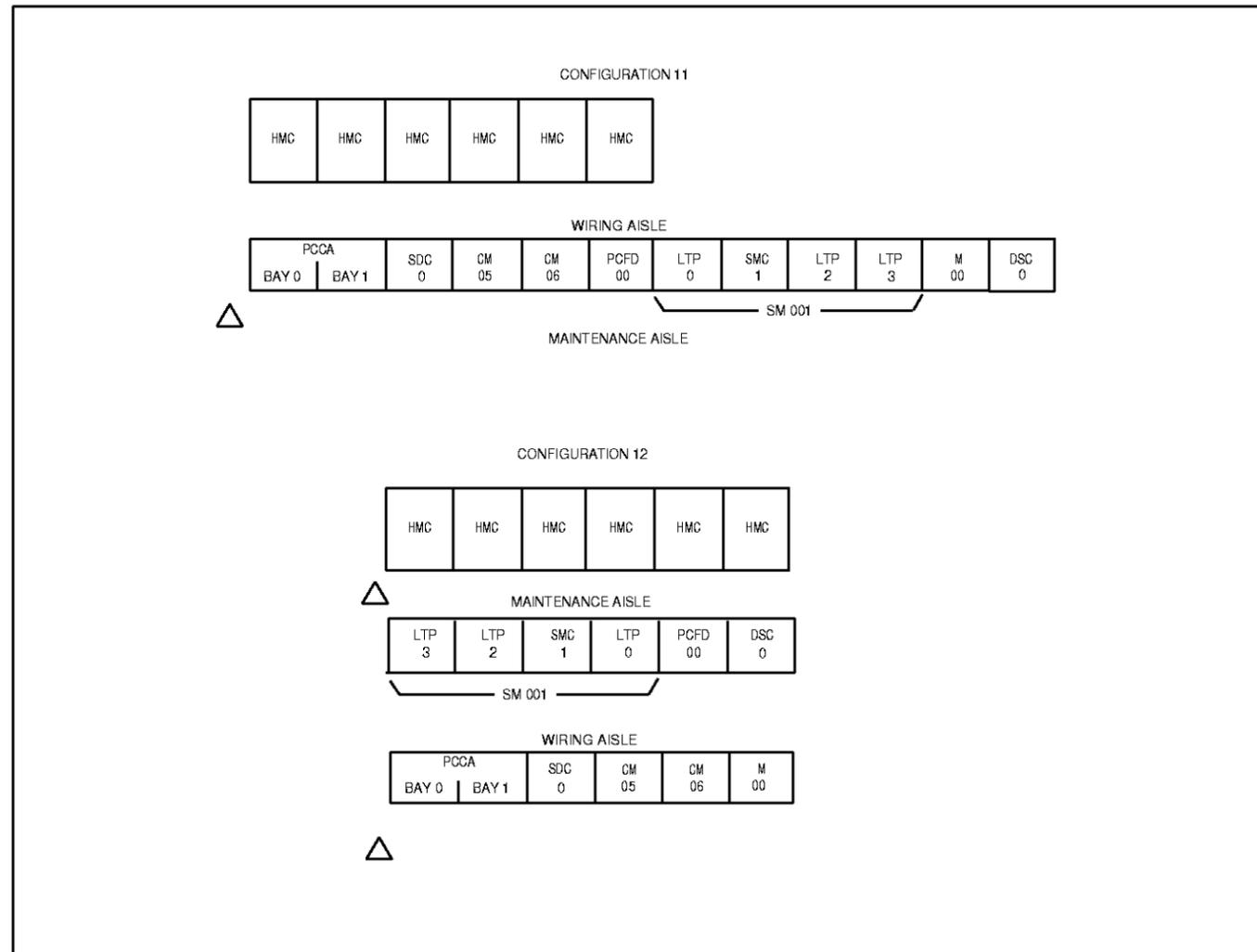
TYPICAL FLOORPLANS  
 SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR  
 (EQUIPPED WITH 340MB MHDS AND HMC)



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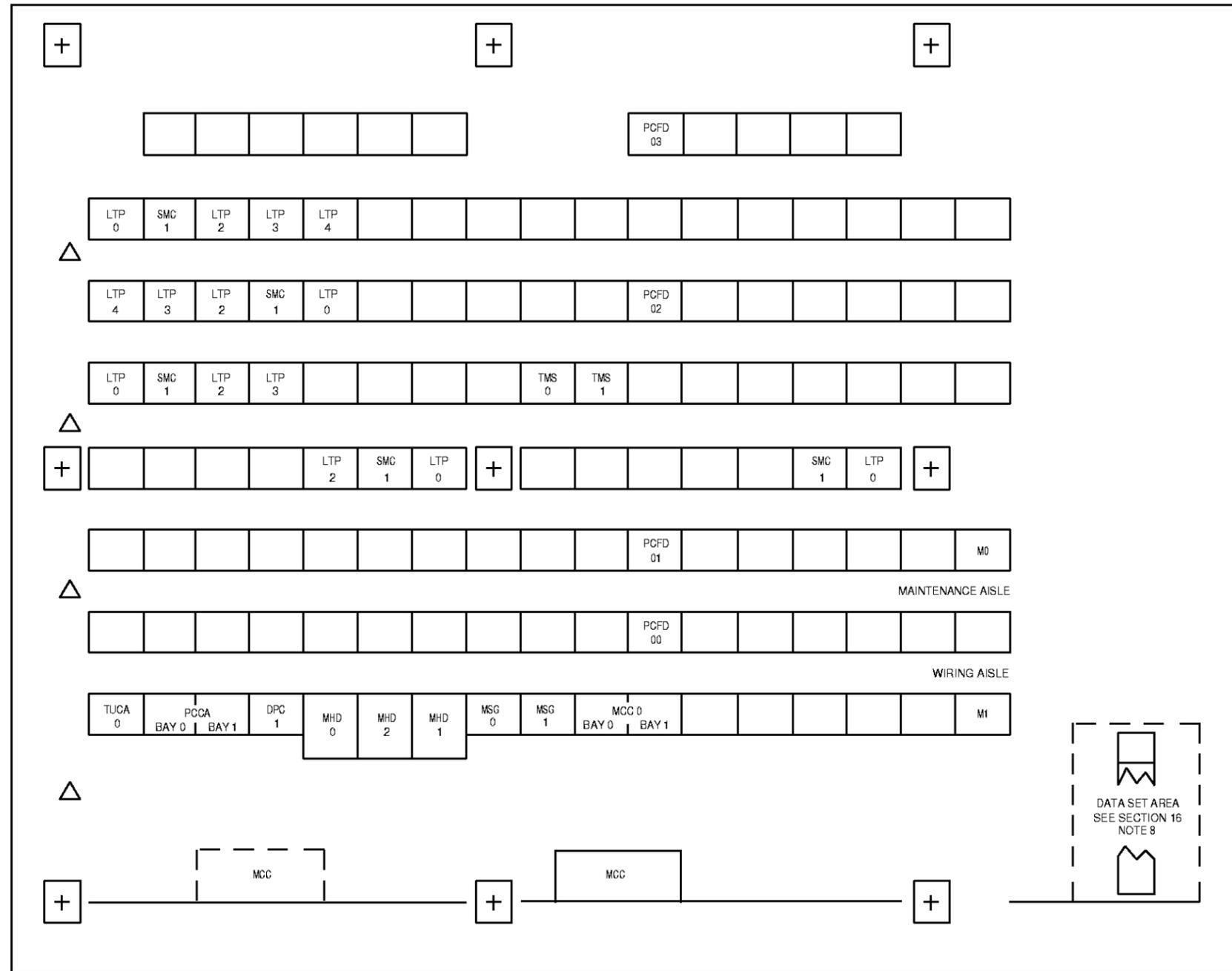
TYPICAL FLOORPLANS  
 SINGLE SWITCHING MODULE - 3B20D MODEL 3 PROCESSOR  
 (EQUIPPED WITH SCSI MHDS AND HMC)



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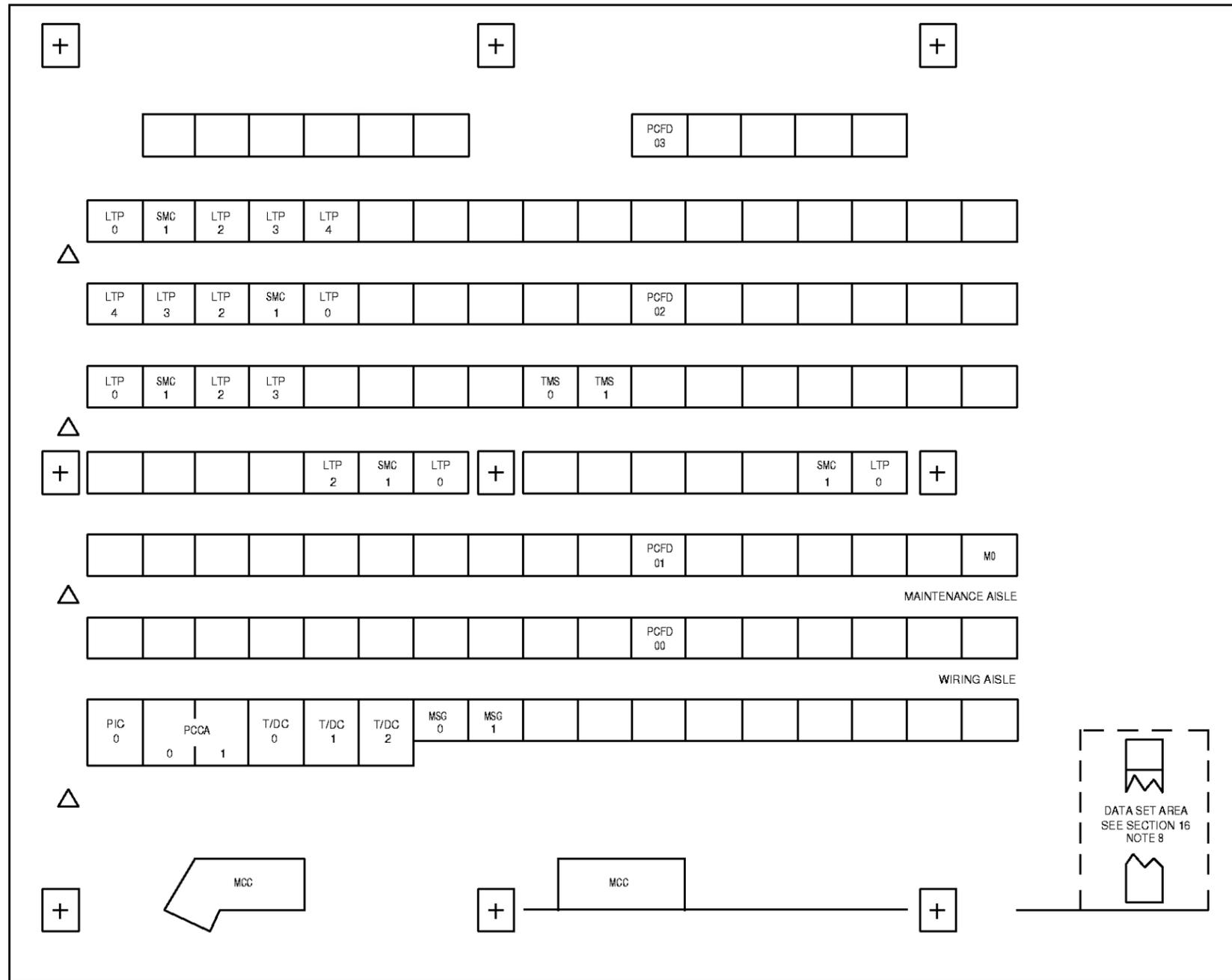
TYPICAL FLOORPLANS  
MULTI-MODULE 6ESS SWITCHING SYSTEM WITH 3B20D-2 PROCESSOR



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# P/O AS-6

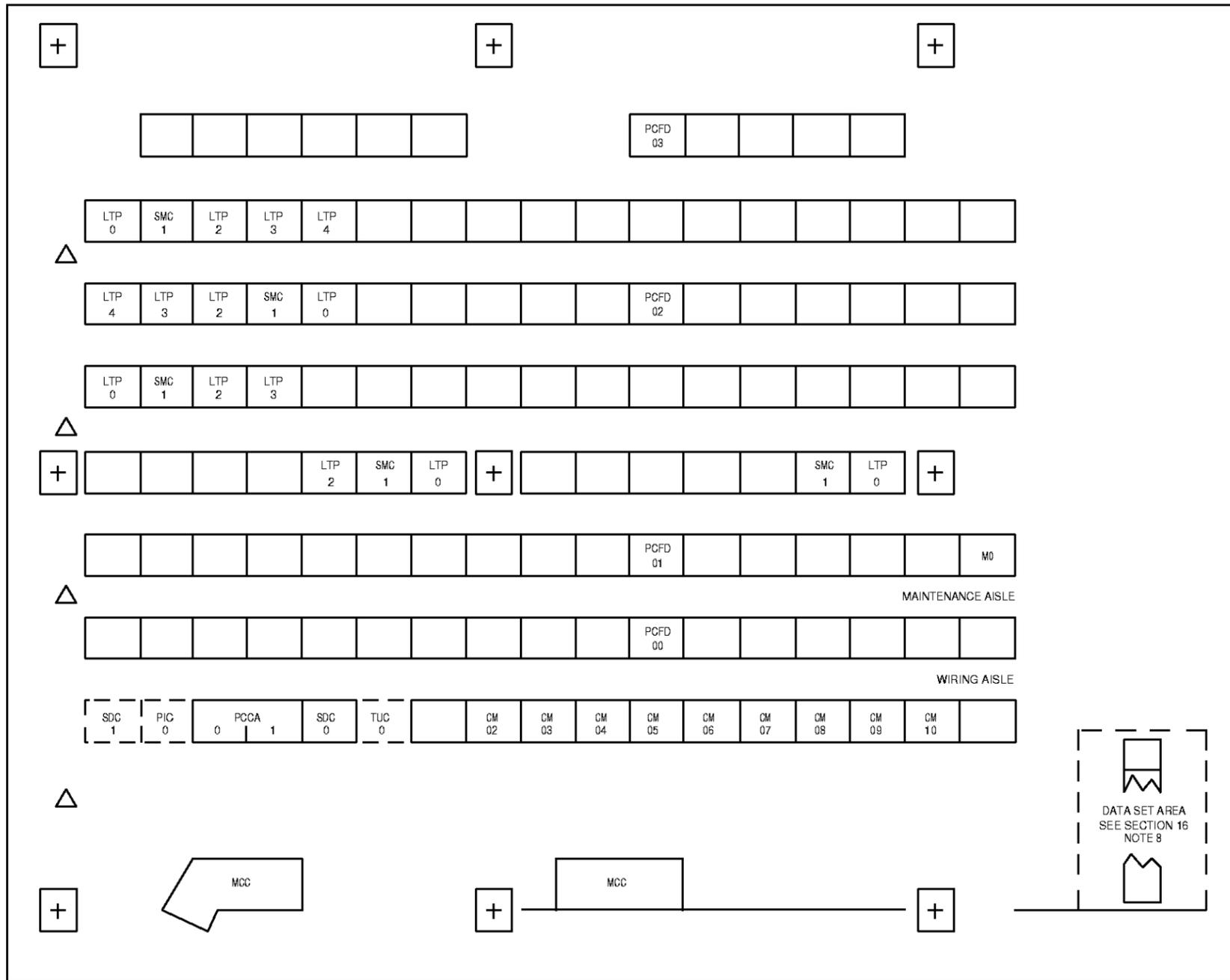
TYPICAL FLOORPLANS  
 MULTI-MODULE 6ESS SWITCHING SYSTEM WITH 3B20D-3 PROCESSOR  
 (EQUIPPED WITH 340MB MHDS)



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Lucent Technologies	SD-5D001-01	SHEET B37A

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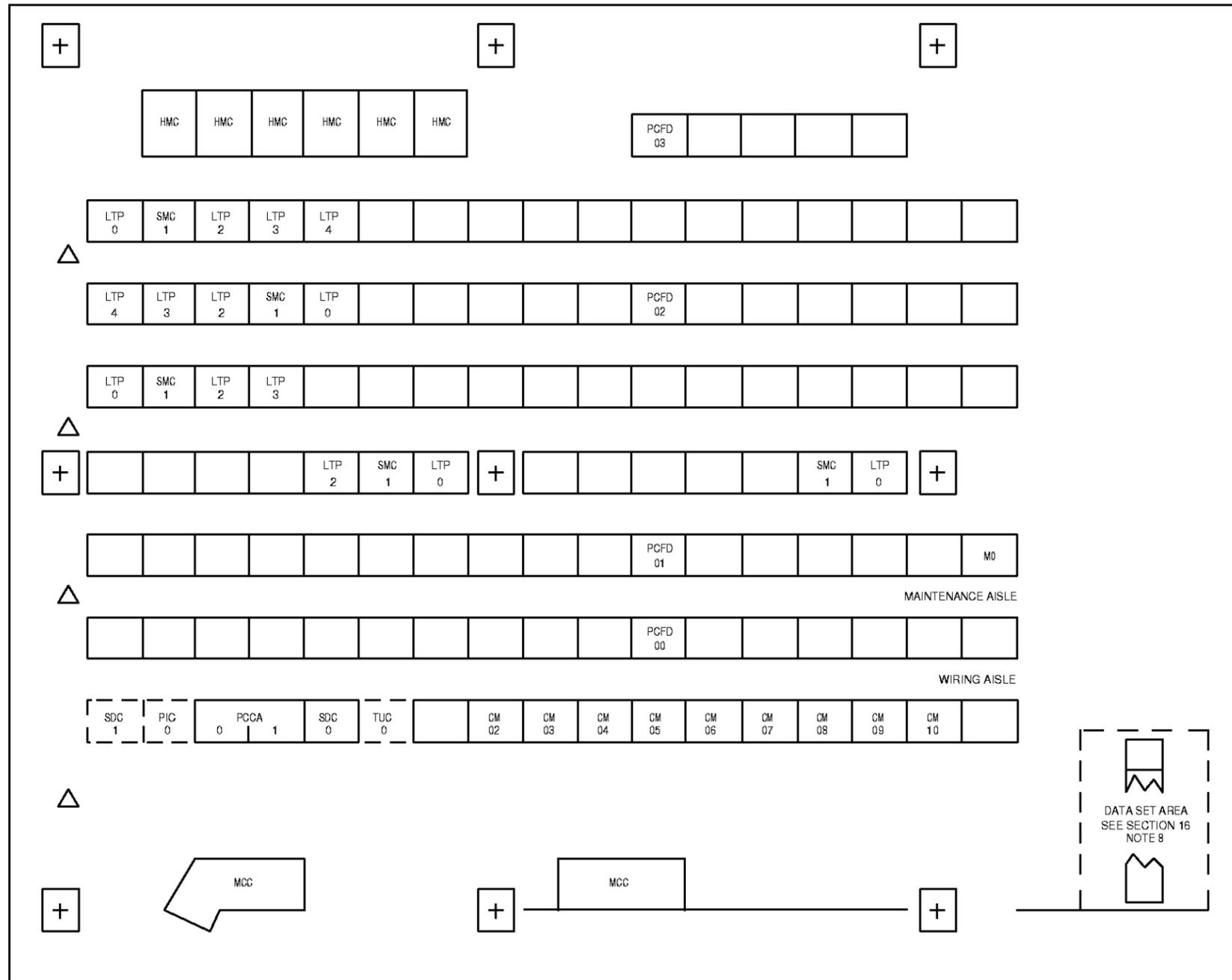
TYPICAL FLOORPLANS  
 MULTI-MODULE 6ESS SWITCHING SYSTEM WITH 3B20D-3 PROCESSOR  
 (EQUIPPED WITH SCSI MHDS)



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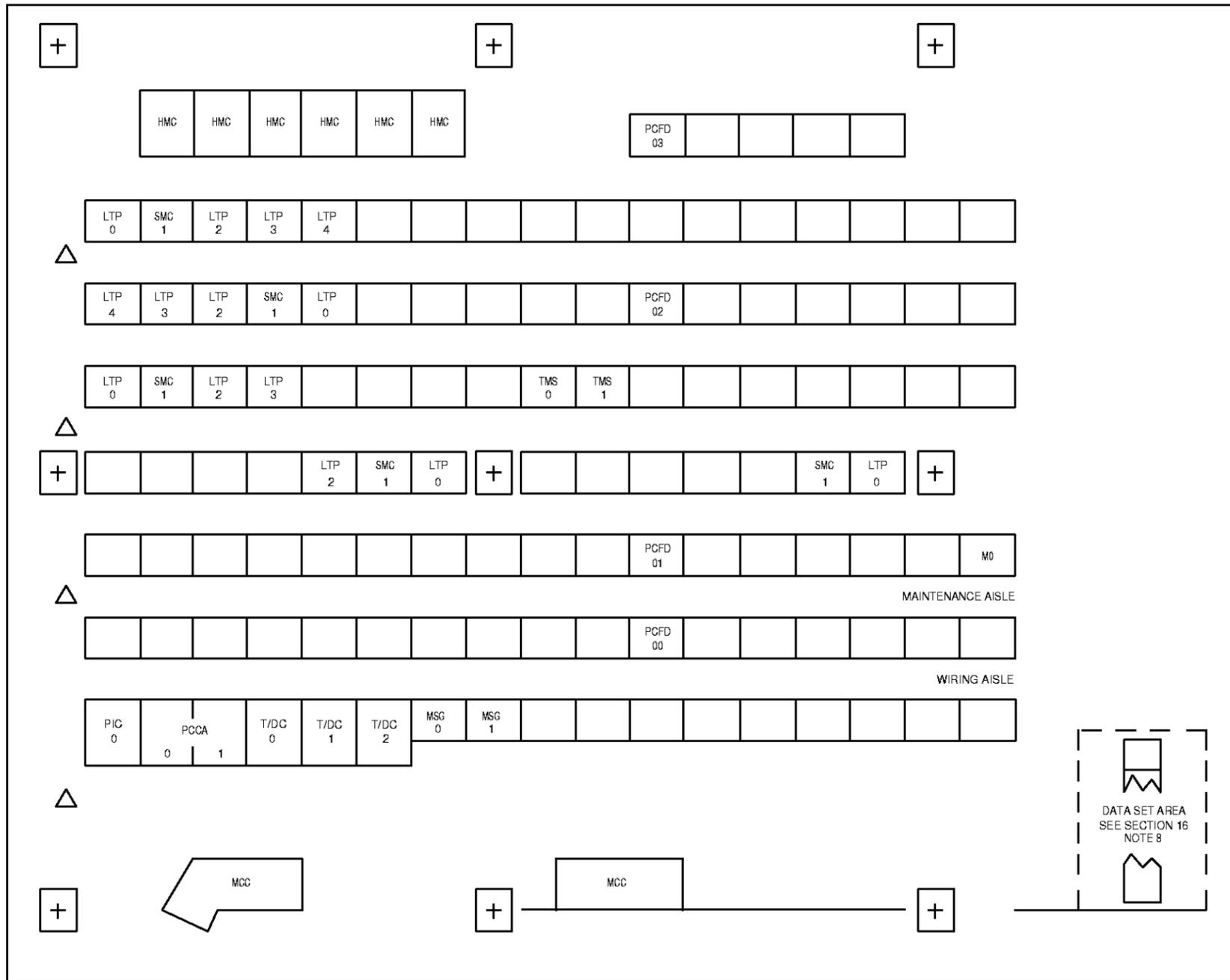
TYPICAL FLOORPLANS  
 MULTI-MODULE 6ESS SWITCHING SYSTEM WITH 3B20D-3 PROCESSOR  
 (EQUIPPED WITH SCS1 MHDS AND HMC)



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Lucent Technologies	SD-5D001-01	SHEET B37C

# P/O AS-6

TYPICAL FLOORPLANS  
 MULTI-MODULE 6ESS SWITCHING SYSTEM WITH 3B20D-3 PROCESSOR  
 (EQUIPPED WITH 340MB MHDS AND HMC)

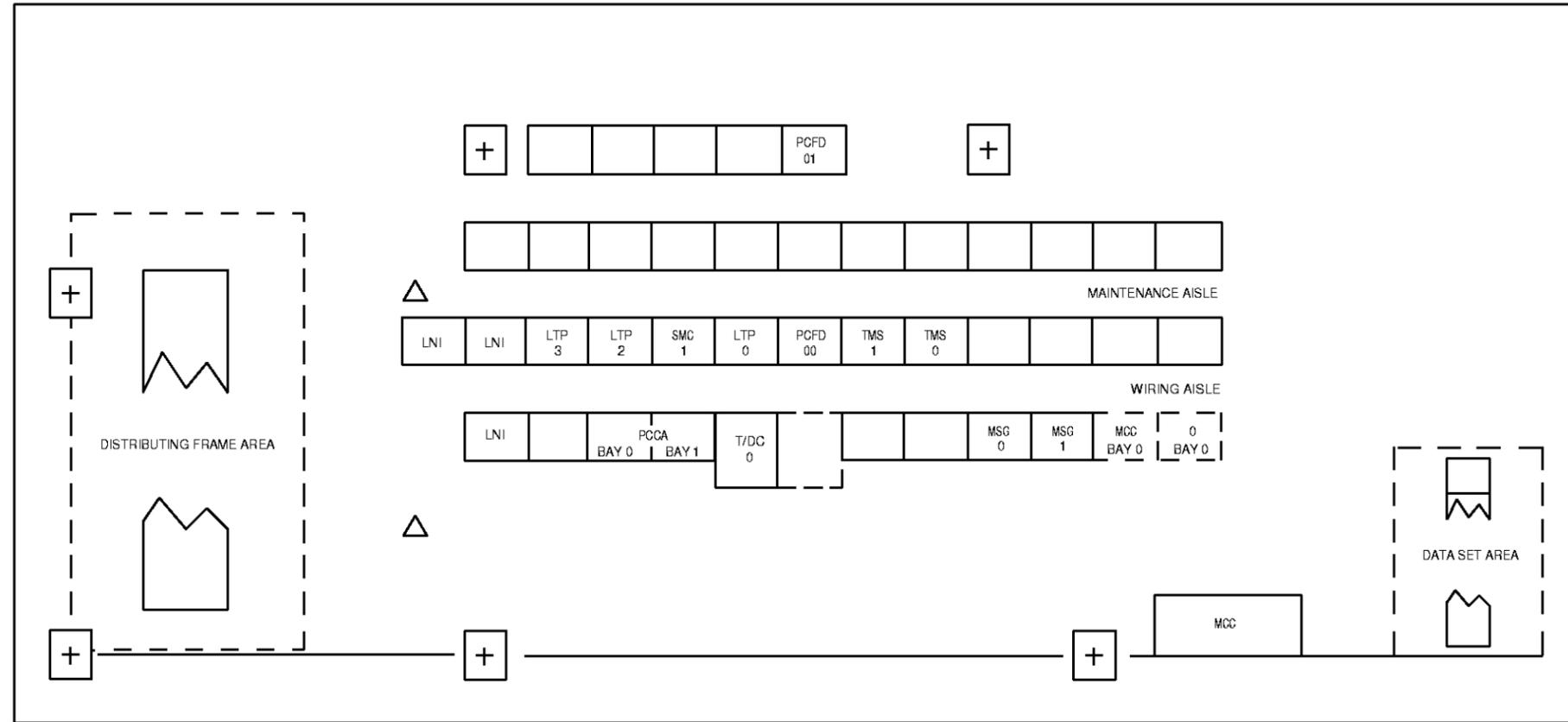


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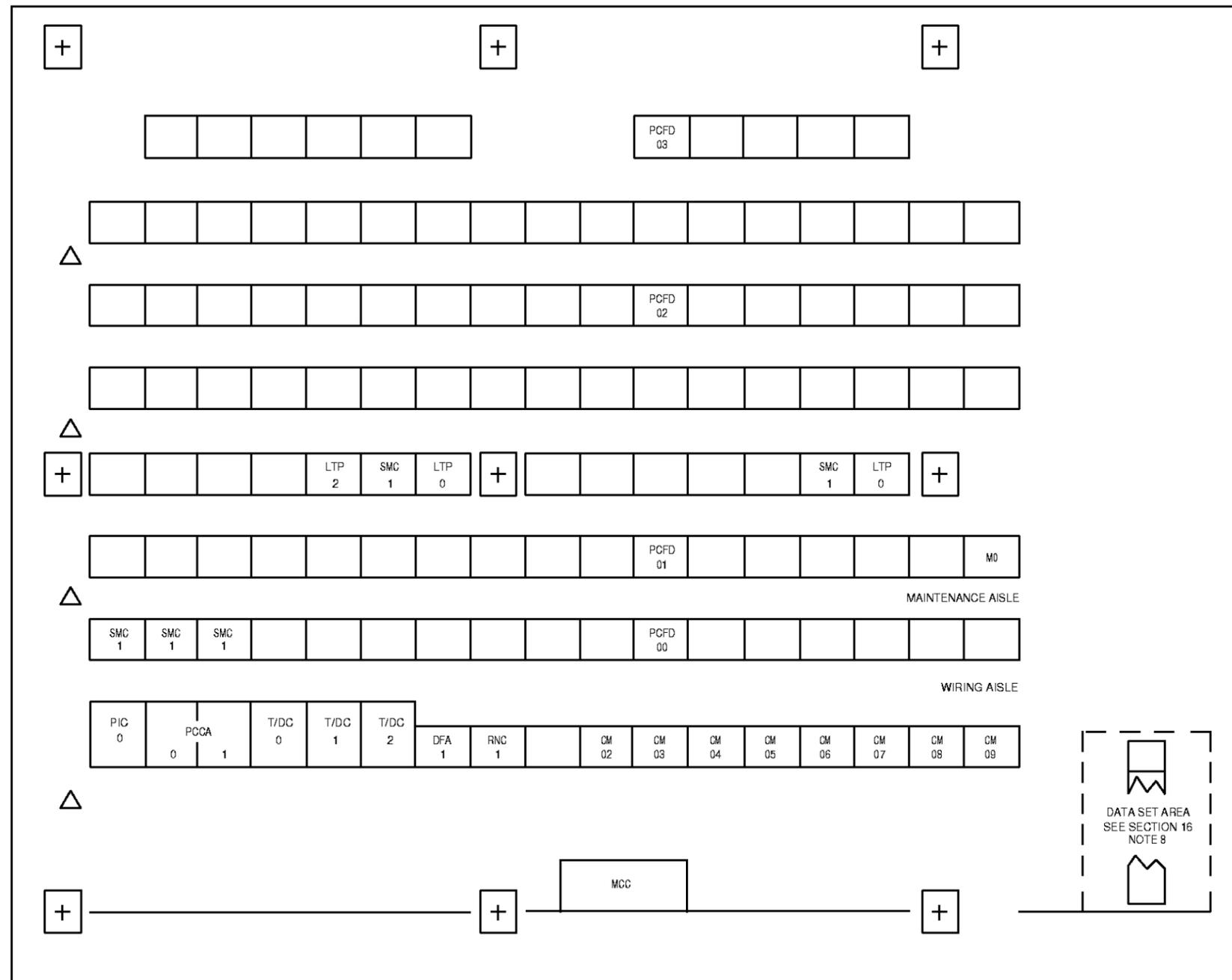
TYPICAL FLOORPLANS  
300MB MHD TO 340MB DISK CONVERSION WITH LNI OPTION



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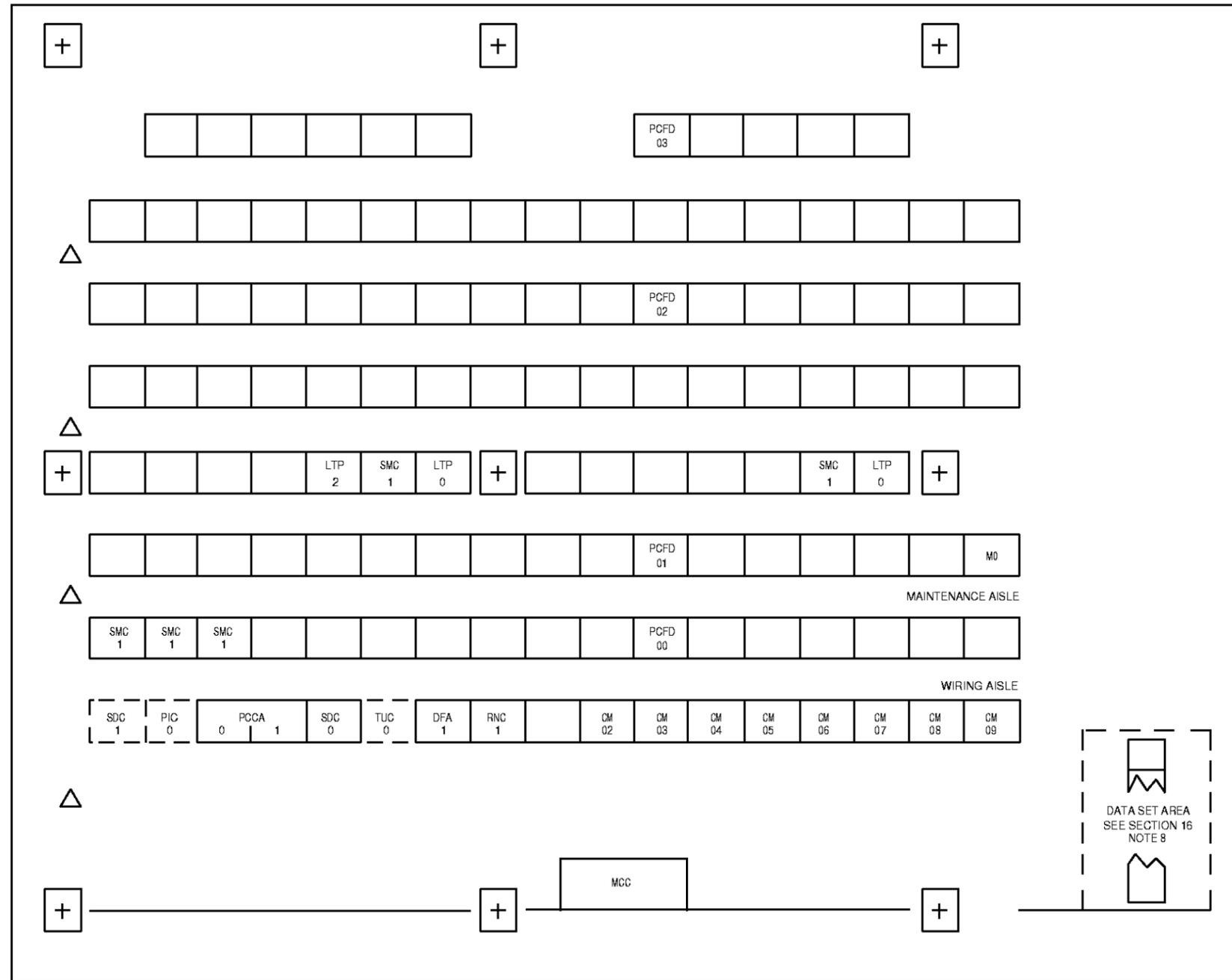
TYPICAL FLOORPLANS  
 TOOL OFFICE  
 (EQUIPPED WITH 340MB MHDS)



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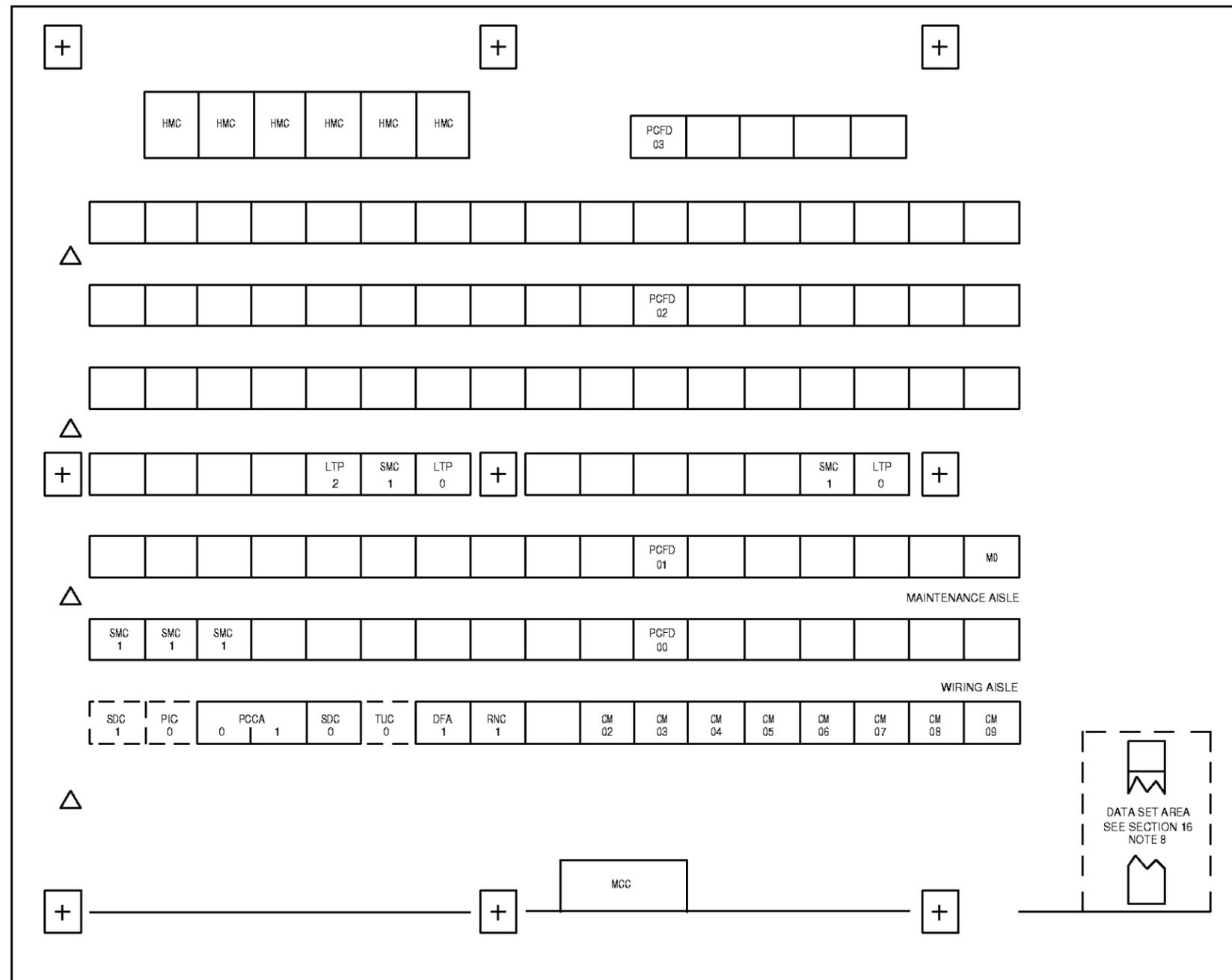
TYPICAL FLOORPLANS  
TOOL OFFICE  
(EQUIPPED WITH SCSI MHDS)



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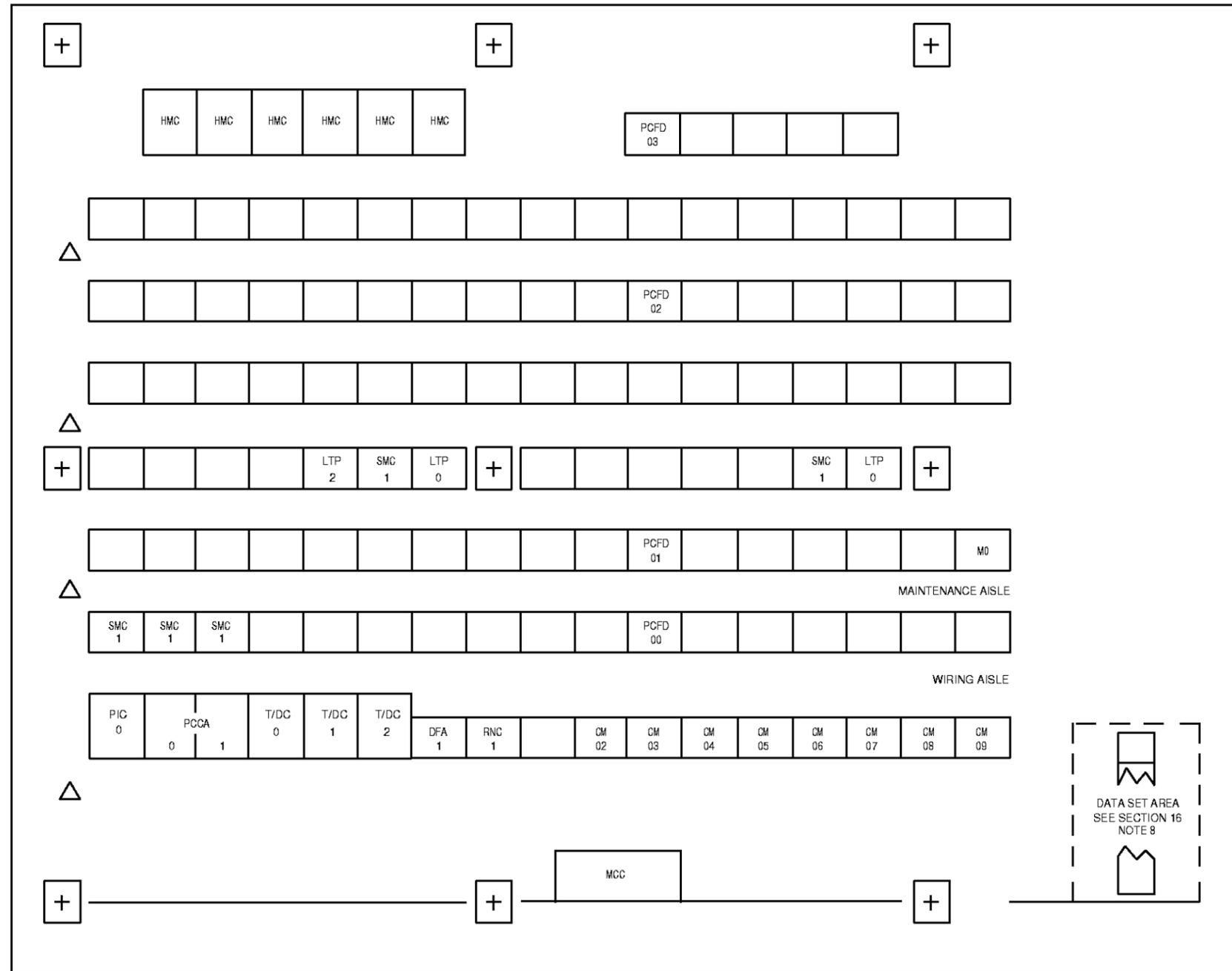
TYPICAL FLOORPLANS  
 TOOL OFFICE  
 (EQUIPPED WITH SCSI MHDS AND HMC)



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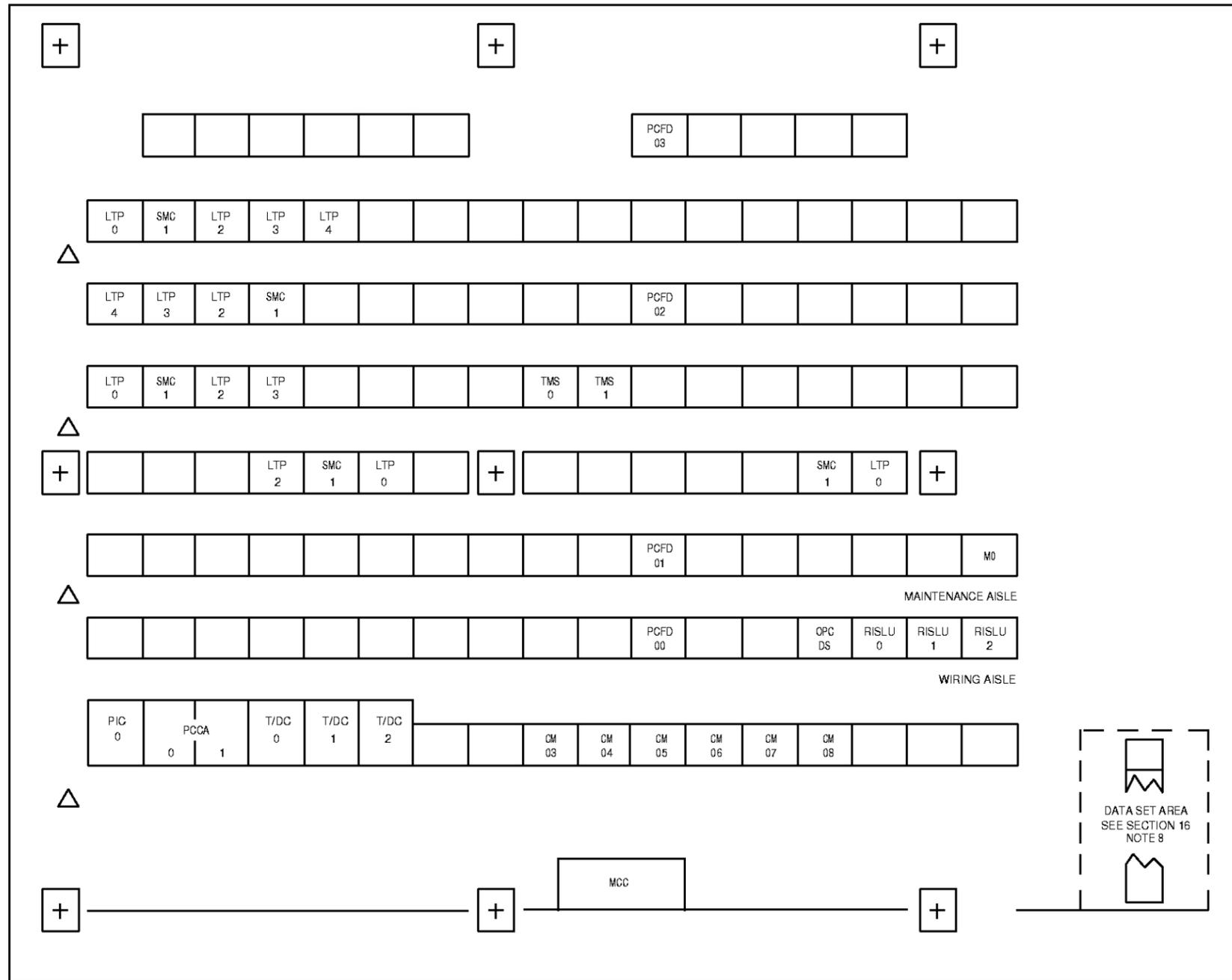
TYPICAL FLOORPLANS  
 TOOL OFFICE  
 (EQUIPPED WITH 340MB MHDS AND HMC)



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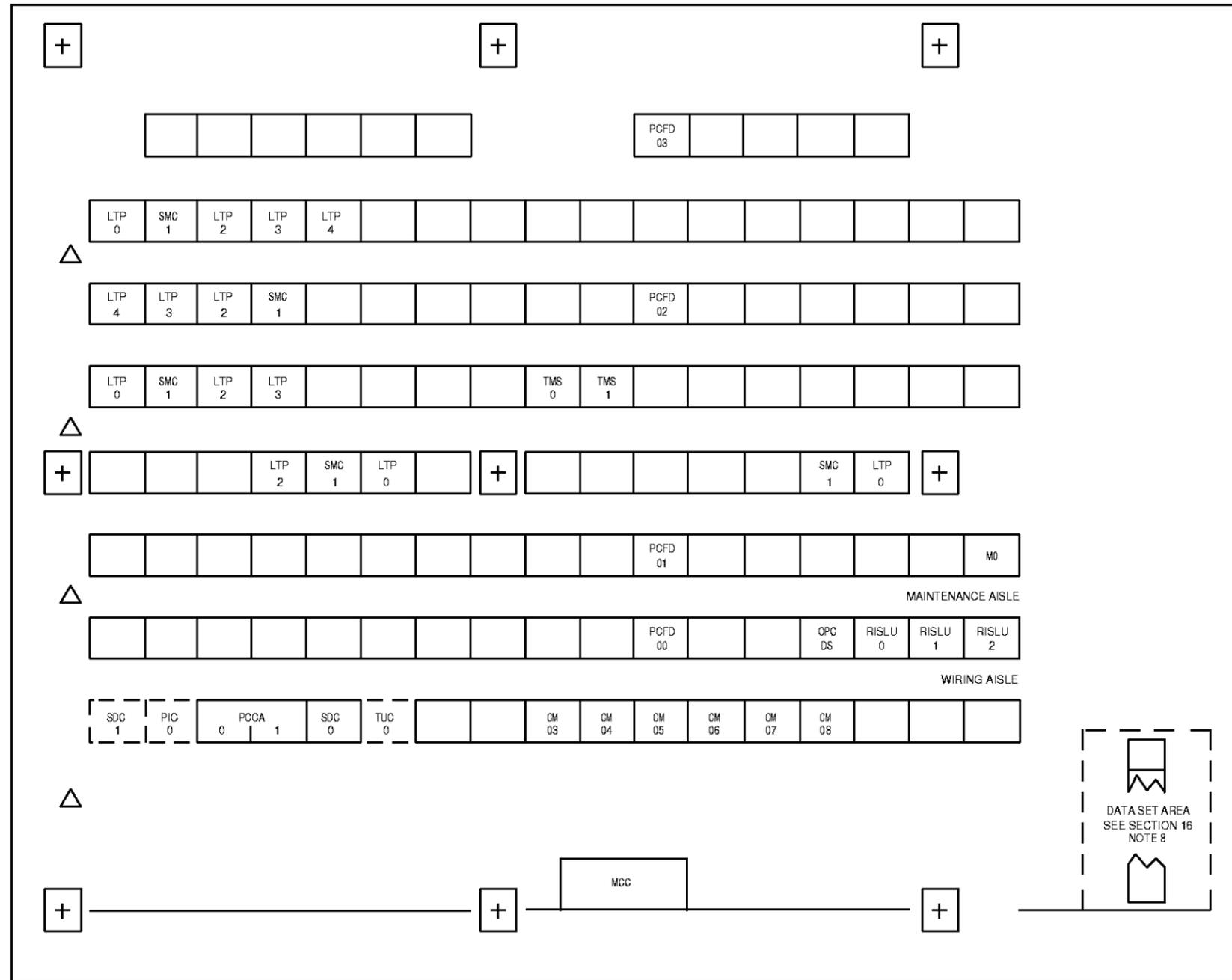
TYPICAL FLOORPLANS  
OSPS APPLICATION  
(EQUIPPED WITH 340MB MHDS)



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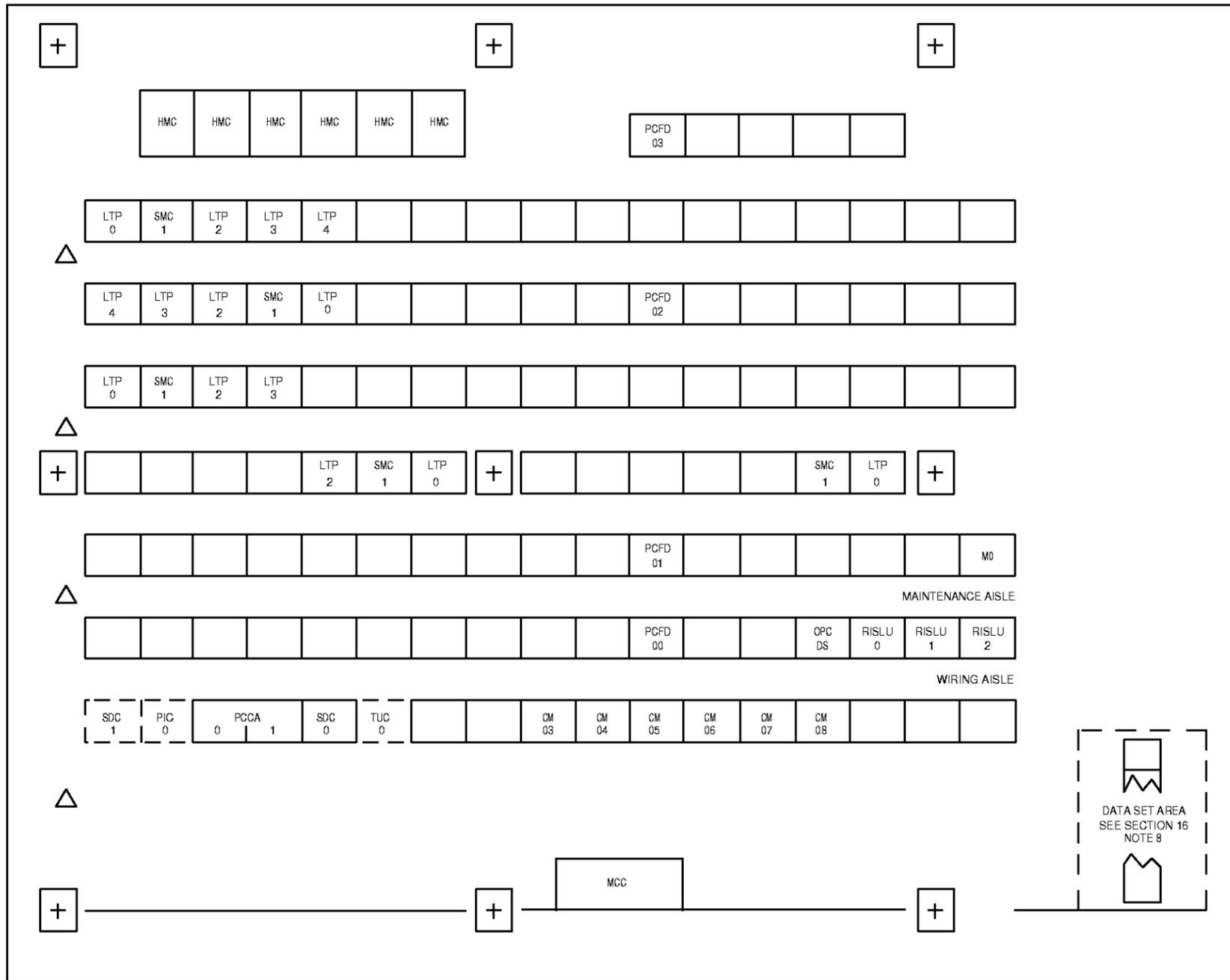
TYPICAL FLOORPLANS  
OSPS APPLICATION  
(EQUIPPED WITH SCSI MHDS)



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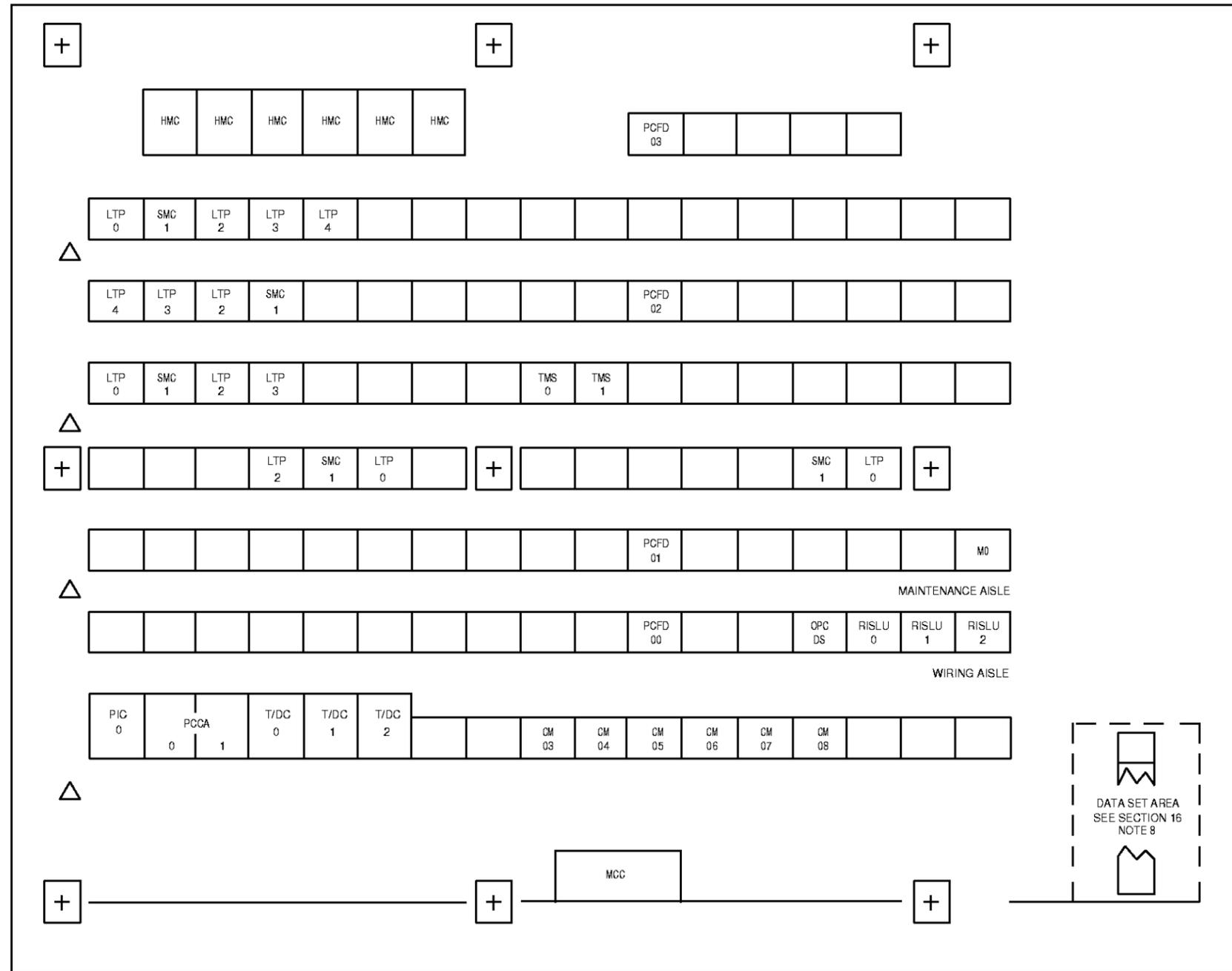
TYPICAL FLOORPLANS  
OSPS APPLICATION  
(EQUIPPED WITH SCSI MHDS AND HMC)



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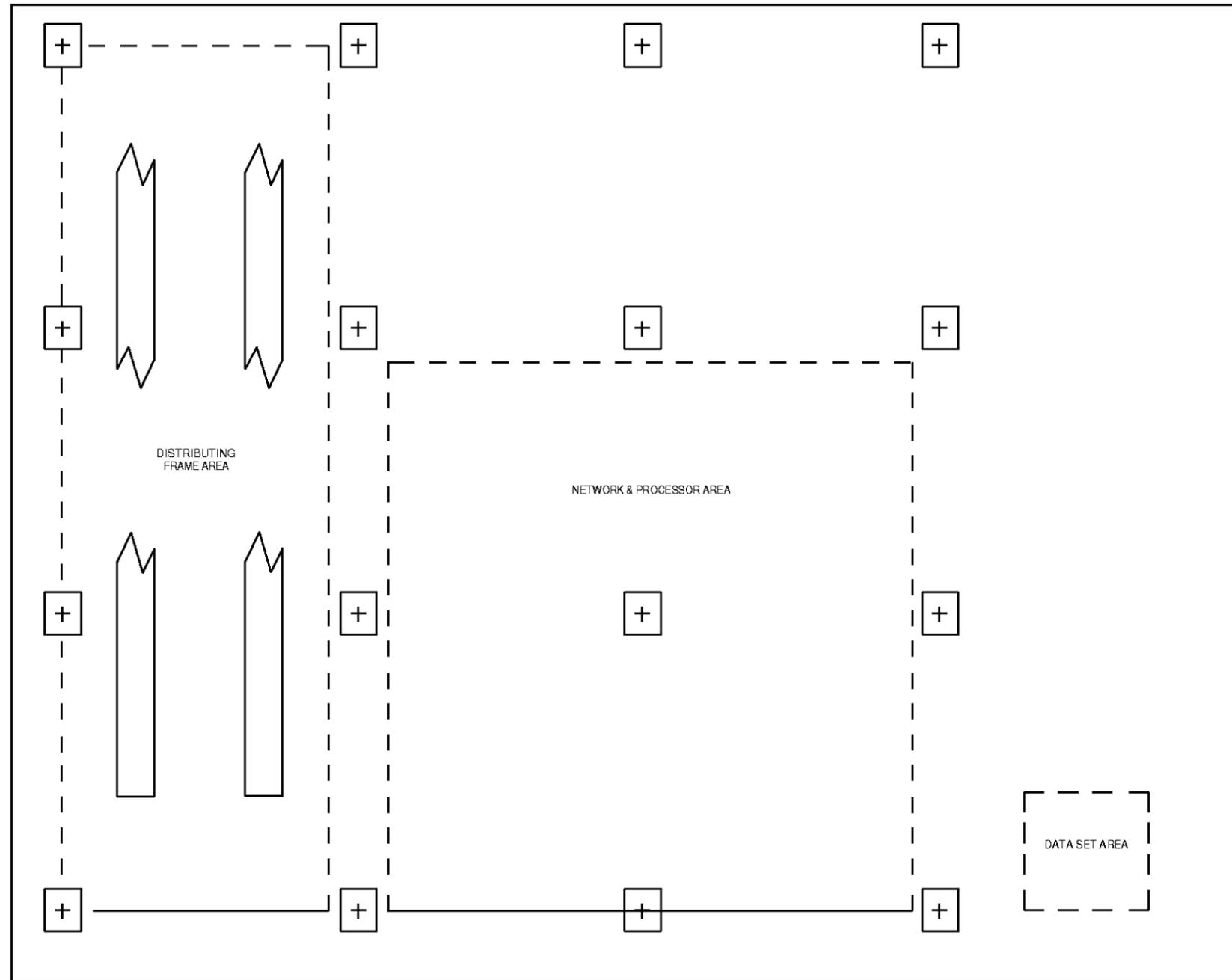
TYPICAL FLOORPLANS  
OSPS APPLICATION  
(EQUIPPED WITH 340MB MHDS WITH HMC)



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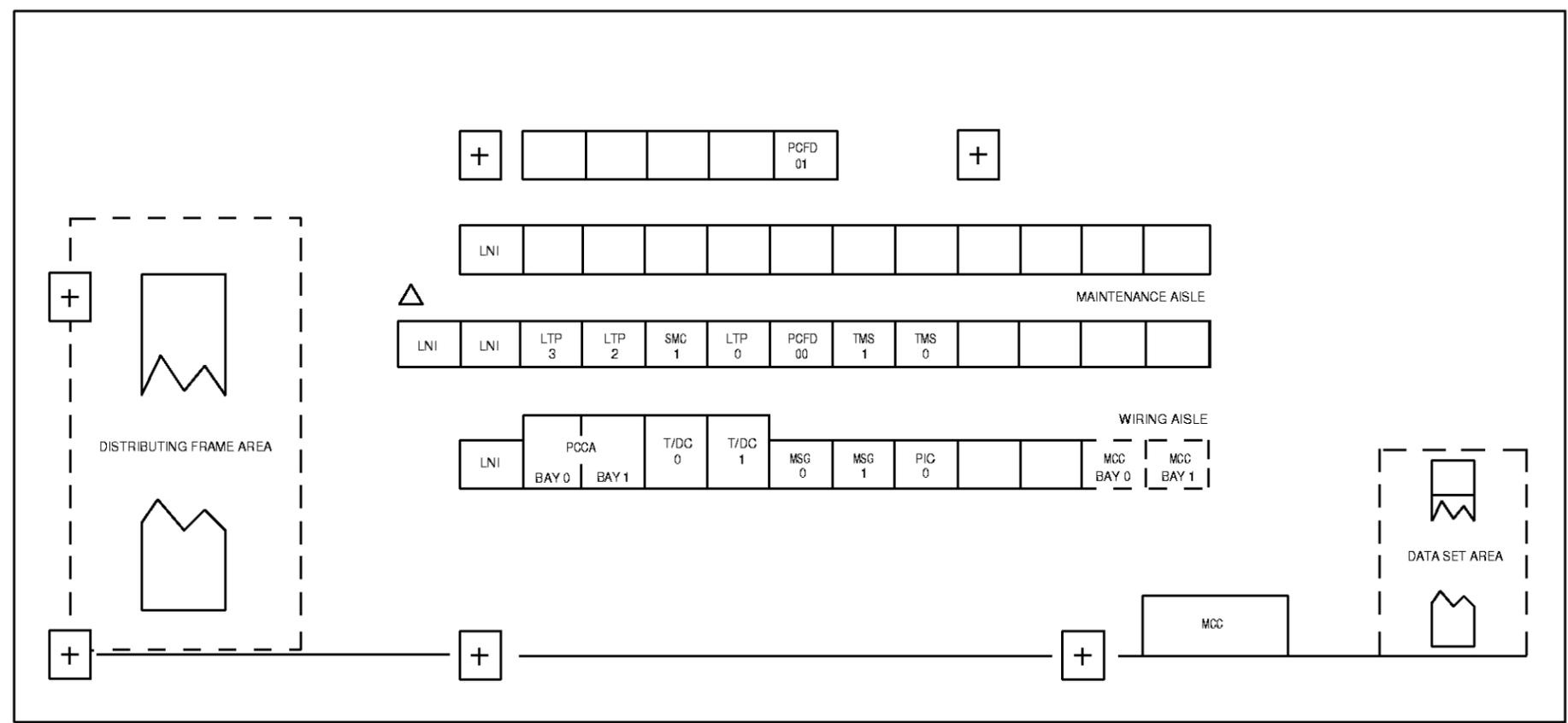
TYPICAL FLOORPLANS  
TYPICAL FUNCTIONAL AREAS



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Lucent Technologies	SD-5D001-01	SHEET B42

# P/O AS-6

TYPICAL FLOORPLANS  
LNI APPLICATION - MODEL 3 PROCESSOR  
(EQUIPPED WITH 340MB MHDS)



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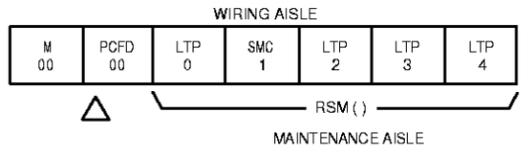
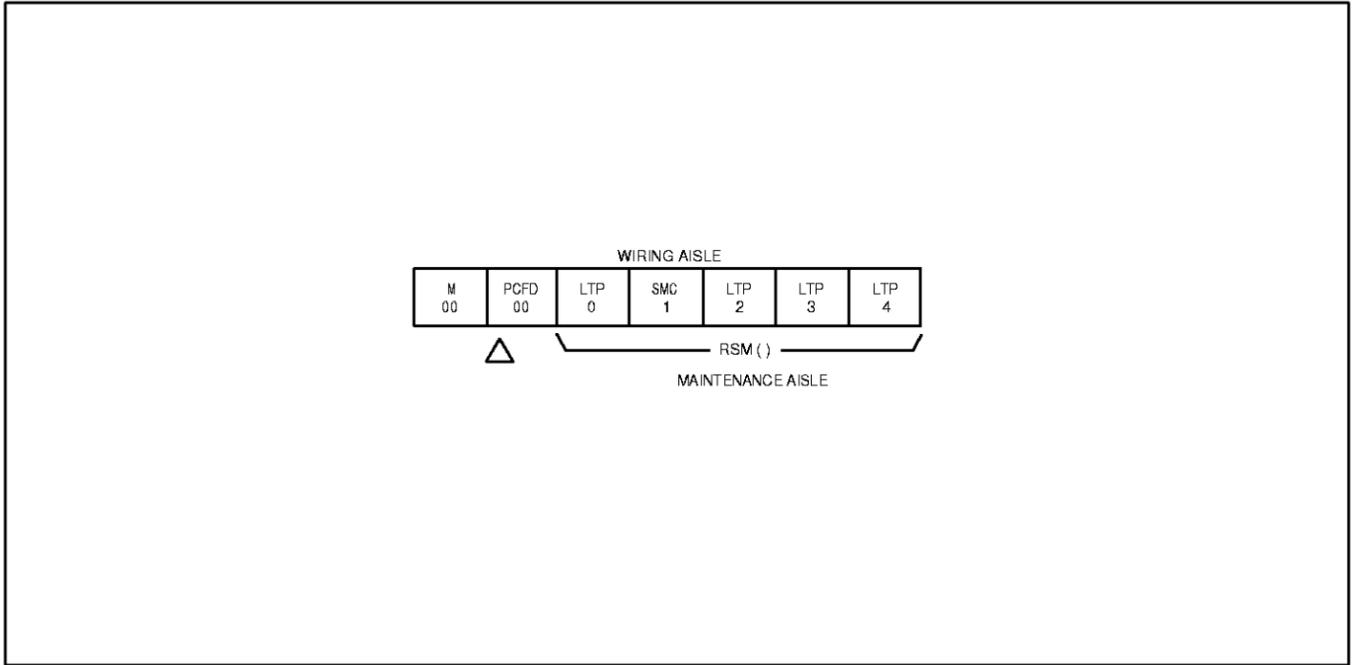
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# P/O AS-6

TYPICAL FLOORPLANS  
RSM APPLICATION

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H



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FLOORPLAN DATA	DWG SIZE <b>C2</b>	ISSUE <b>7M</b>
Lucent Technologies	SD-5D001-01	SHEET B44A

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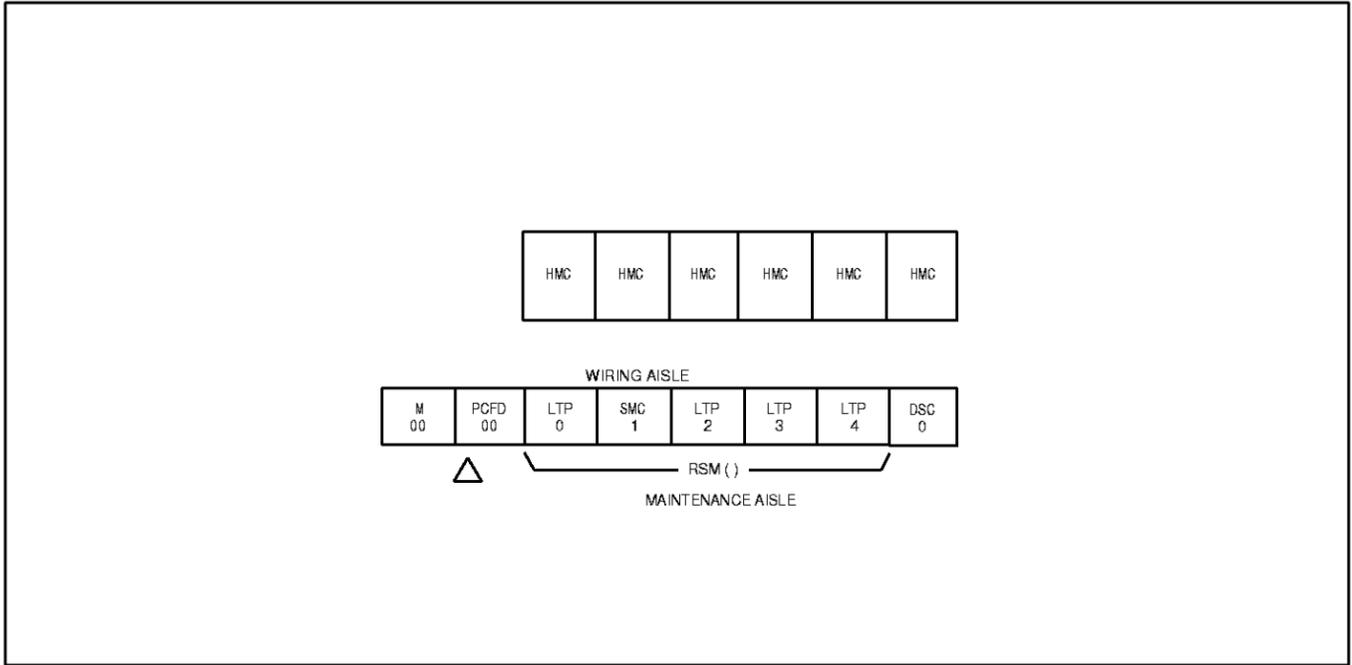
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# P/O AS-6

TYPICAL FLOORPLANS  
RSM APPLICATION  
(EQUIPPED WITH HMC)

A  
B  
C  
D  
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H

A  
B  
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Lucent Technologies	SD-5D001-01	SHEET B44B

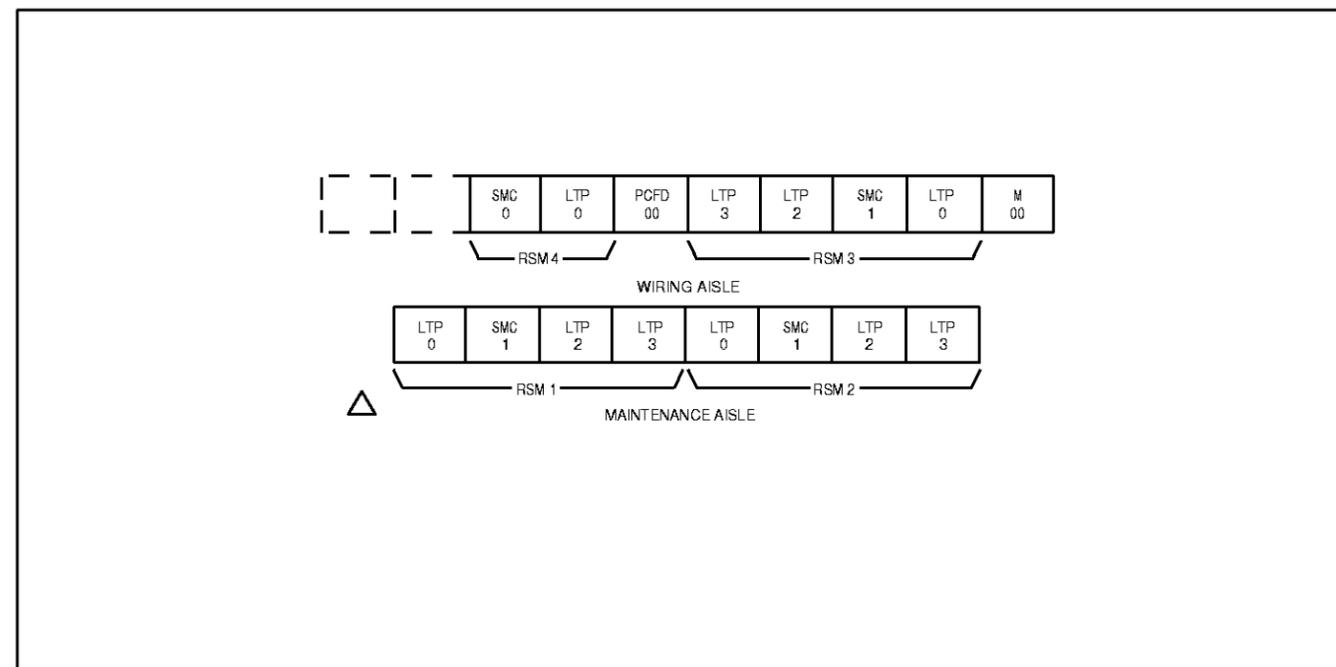
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# P/O AS-6

TYPICAL FLOORPLANS  
MULTIMODULE RSM

NOTES:

1. ALL RSM'S IN A MULTIMODULE RSM CLUSTER MUST BE CO-LOCATED (SHARE THE SAME GROUND WINDOW).
2. RSM'S IN A MULTIMODULE CLUSTER MAY NORMALLY SPAN TWO FLOORS. ADDITIONAL PROVISIONS FOR POWER DISTRIBUTION AND GROUNDING ARE REQUIRED TO SPAN GREATER THAN TWO FLOORS WITH RSM'S IN A MULTIMODULE RSM CLUSTER. REFER TO SD-5D005 AND SD-5D006 FOR DETAILED INFORMATION.



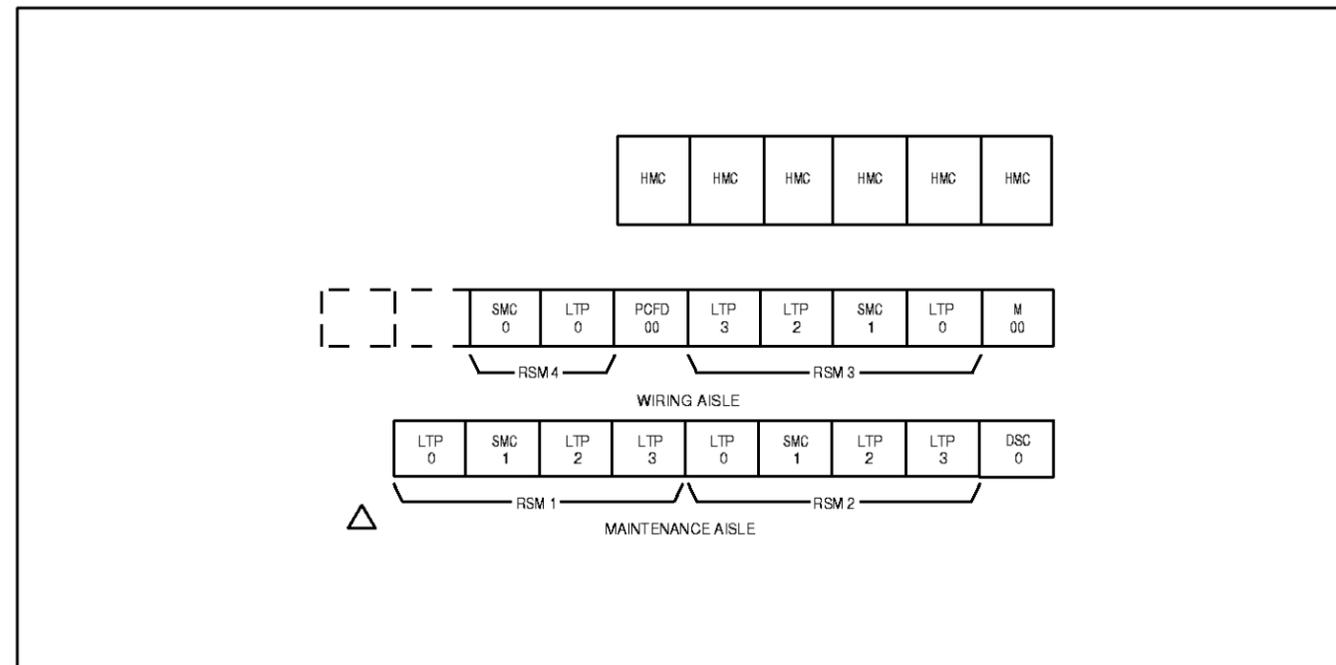
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Lucent Technologies	SD-5D001-01	SHEET B45A

# P/O AS-6

TYPICAL FLOORPLANS  
MULTIMODULE RSM  
(EQUIPPED WITH HMC)

NOTES:

1. ALL RSM'S IN A MULTIMODULE RSM CLUSTER MUST BE CO-LOCATED (SHARE THE SAME GROUND WINDOW).
2. RSM'S IN A MULTIMODULE CLUSTER MAY NORMALLY SPAN TWO FLOORS. ADDITIONAL PROVISIONS FOR POWER DISTRIBUTION AND GROUNDING ARE REQUIRED TO SPAN GREATER THAN TWO FLOORS WITH RSM'S IN A MULTIMODULE RSM CLUSTER. REFER TO SD-5D005 AND SD-5D006 FOR DETAILED INFORMATION.



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B45B

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# P/O AS-6

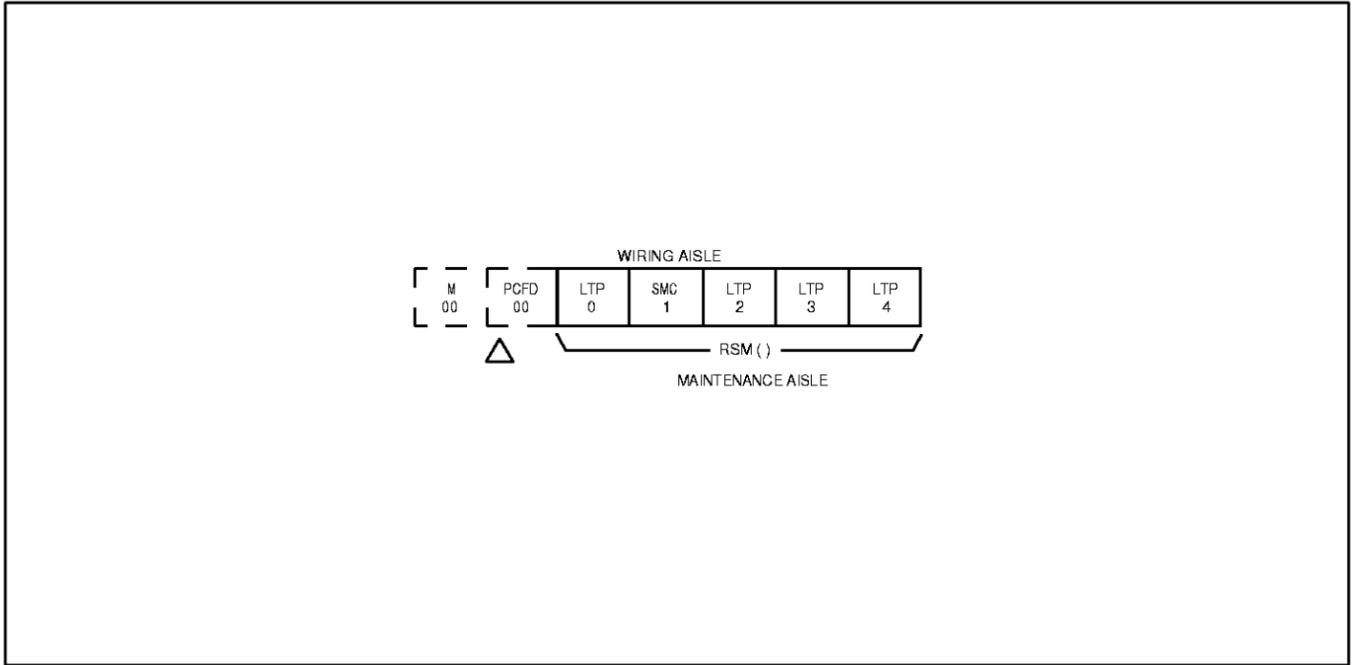
TYPICAL FLOORPLANS  
TRM/ORM APPLICATION

NOTES:

- 1. A MISCELLANEOUS CABINET OR A POWER DISTRIBUTION CABINET MAY BE REQUIRED TO PROVIDE POWER DISTRIBUTION TO SM.

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B46A

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# P/O AS-6

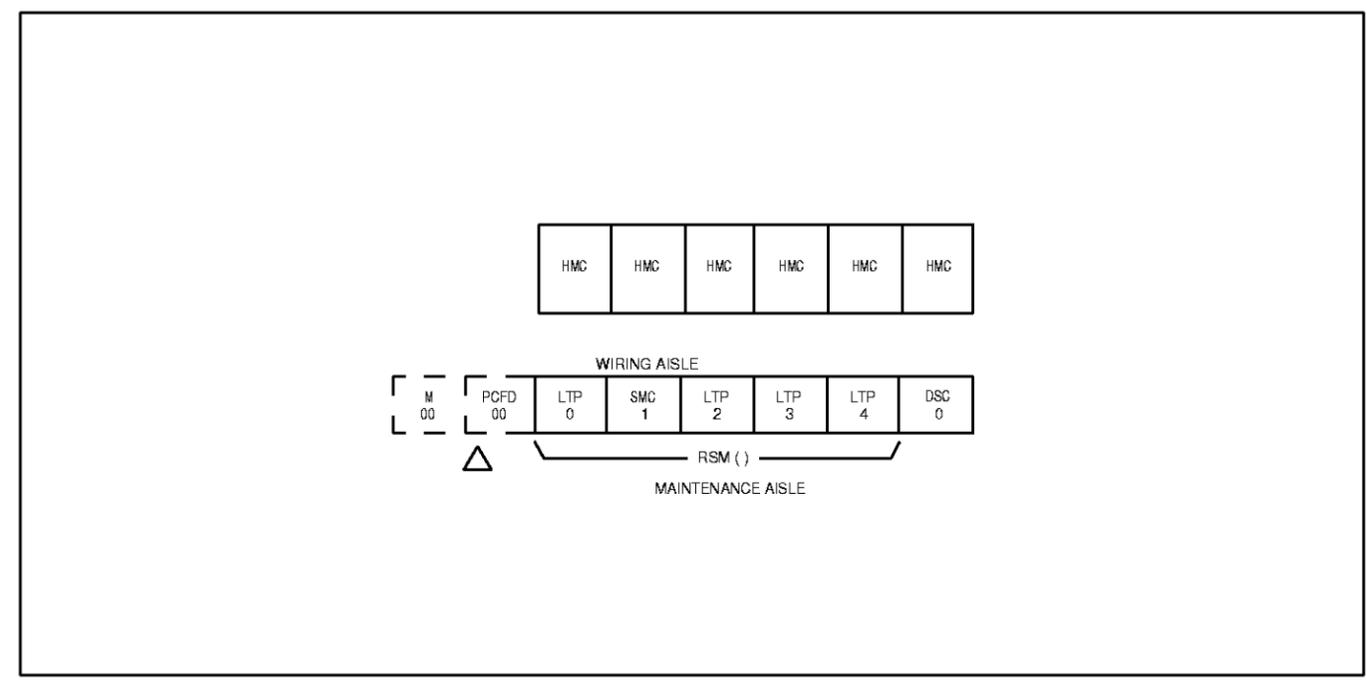
TYPICAL FLOORPLANS  
TRM/ORM APPLICATION  
(EQUIPPED WITH HMC)

NOTES:

- 1. A MISCELLANEOUS CABINET OR A POWER DISTRIBUTION CABINET MAY BE REQUIRED TO PROVIDE POWER DISTRIBUTION TO SM.

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
Lucent Technologies	SD-5D001-01	SHEET B46B

0 1 2 3 4 5 6 7 8 9

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

102.

NETWORK VALUES			
NETWORK		RESISTANCE IN OHMS	CAPACITANCE IN UF
NO.	CODE		

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EQUIPMENT NOTES:

- 201. FLOOR LOADING FOR 5ESS<sup>®</sup> EQUIPMENT USING RECOMMENDED MINIMAL SPACING IS 100LB. PER SQ. FT. USING GREATER AISLE SPACING. THE FLOOR LOADING CAN BE ENGINEERED TO LESS THAN 100LB. PER SQ. FT. PROVIDED BY THESE CABINETS.
- 202. WHEN 17 BAY LINEUPS ARE USED, CAUTION MUST BE TAKEN TO INSURE THAT SHIELD 3 AND 4 CABLE DOES NOT EXCEED 100 SQUARE INCHES (2.54 M) IN CROSS-SECTIONAL AREA. THIS IS MOST LIKELY TO OCCUR IN LINEUPS ADJACENT TO COLUMN LINES.
- 203. TO AVOID EXCESS CABLE BUILDUP, LINEUPS SHALL NOT EXCEED 17 EQUIPMENT BAYS.
- 204. THE MASTER CONTROL CENTER CONSOLE OR CABINETS (MCC) LOCATIONS SHOWN IN FPD 820-800-00-17 & FPD 820-800-00-19 ARE RECOMMENDED LOCATIONS. IF LOCAL CONDITIONS DO NOT PERMIT THESE ARRANGEMENTS, THE MCC MAY BE LOCATED WITHIN 250 CABLE FEET (76.2 M) OF THE FARTHEST PCCA (j) CABINET.
- 205. WEIGHTS GIVEN IN THE TABLE ARE FOR CABINETS ONLY. WEIGHT OF ASSOCIATED CABLING, 21 INCH LINEUP CABLE RACK, CROSS-AISLE CABLE TROUGHS, AND EQUIPMENT-SUPPORT LIGHTING MAY BE APPROXIMATED AT 25 POUNDS (11.34 KG) PER FOOT SQUARED DISTRIBUTED OVER 5ESS<sup>®</sup> EQUIPMENT.
- 206. ALL DIMENSIONS ARE SHOWN IN FEET-INCHES AND IN METERS (').
- 207. FOR 5ESS<sup>®</sup> CABLE RACK, SHIELD 1 CONTAINS OPTICAL FIBER CABLING ONLY. SHIELD 4 DATA INCLUDES POWER AND GROUND CABLING. SHIELD 3 CONSISTS OF SWITCHBOARD, RIBBON AND ALL OTHER CABLING. PHYSICALLY SHIELD 3 & 4 ARE THE SAME CABLE RACK SHIELD.
- 208. ALL AISLE DIMENSIONS WHICH INCLUDE CABINET DOOR AND END GUARD THICKNESSES.

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INFORMATION NOTE:

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

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY

303.

RECORD OF APP 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

INFORMATION NOTE:

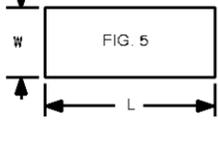
304. THE FLOORPLAN ARRANGEMENTS SHOWN REFLECT THE ONLY ALLOWED ARRANGEMENTS FOR USING 3B20D-MODEL 2 PROCESSOR WITH 6-0 FT. (1.829 M) CABINET 5ESS<sup>R</sup>.
305. FOR SPECIFIC FPD INFORMATION ON 3B20D-MODEL 2, REFER TO FPD 801-824-163-1, FPD 801-824-164-1, AND FPD 801-824-165-1.
306. THE FLOORPLAN ARRANGEMENTS SHOWN REFLECT THE ONLY ALLOWED ARRANGEMENTS FOR USING 3B20D-MODEL 3 PROCESSOR WITH 6-0 FT. (1.829 M) CABINET 5ESS<sup>R</sup>.
307. FOR SPECIFIC FPD INFORMATION ON 3B20D-MODEL 3, REFER TO FPD 801-824-162-2, FPD 801-824-165-4, FPD 801-824-176-1, AND FPD 801-824-181-1.
308. EQUIPMENT AREA HEAT LOADS ARE EXPECTED TO EXCEED 40 WATTS PER SQUARE FOOT FOR SPECIAL EQUIPMENT COOLING REQUIREMENTS SEE LUCENT TECHNOLOGIES PRACTICE 760-230-100, LUCENT TECHNOLOGIES PRACTICE 760-230-101, AND LUCENT TECHNOLOGIES PRACTICE 760-550-260.
309. CURRENT DRAIN INFORMATION CAN BE FOUND IN SD-5D002 AND SD-5D005. CALCULATE HEAT RELEASE USING A VALUE OF 52.08V AND THE FORMULA P(WATTS) = I(AMPS) X E(VOLTS).
310. FOR GUIDANCE IN THE PLANNING OF THE BUILDING MECHANICAL SYSTEM FOR DISSIPATING THE HEAT GENERATED IN THE TYPICAL SYSTEM FLOORPLANS, CONSULT LUCENT TECHNOLOGIES PRACTICE 760-230-101, AND LUCENT TECHNOLOGIES PRACTICE 760-550-260.
311. BECAUSE THE TMS, MSG, CM, LTP, AND SMC CABINETS DISSIPATE MORE THAN 60 WATTS PER SQUARE FOOT OF ALLOWED AREA, CONSULT THE LUCENT TECHNOLOGIES PRACTICE 760-230-101, AND LUCENT TECHNOLOGIES PRACTICE 760-230-101 FOR ADDITIONAL COOLING INFORMATION.
312. THE FOLLOWING FORMULA WAS USED FOR CALCULATING AREA REQUIREMENTS FOR CABINET:
- WHERE D = CABINET DEPTH (1.75 FT. FOR FIGURE 1, 2.5 FT. FOR FIGURE 2, 2.33 FT. FOR FIGURE 10, (3.5 FT. FOR MHD) (SEE AS-2 FLOORPLAN DETAIL CROSS SECTION).
- M = MINIMUM MAINTENANCE AISLE WIDTH (SEE AS-4 'AISLE SPACING').
- W = MINIMUM WIRING AISLE WIDTH (SEE AS-4 'AISLE SPACING').
- L = CABINET LENGTH (2.5 FT. FOR FIGURES 1 & 2, 2.9 FT. FOR FIGURE 10).
- A = AREA IN SQUARE FEET.
- $$A = [D + (\frac{M+W}{2})] \times L$$
313. THE FOLLOWING METHOD WAS USED TO CALCULATE AREA REQUIREMENTS FOR MCC CONSOLE:
- 

FIG. 5

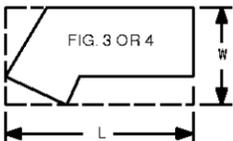


FIG. 3 OR 4
- $$A = (W + 4 FT.) \times L$$
314. WHEN CALCULATING TOTAL OFFICE FLOOR AREA REQUIREMENTS, ADJUSTMENTS TO THE SUM OF ALL CABINET, MCC AND MHD AREAS MUST BE MADE FOR NON-STANDARD AISLE WIDTHS, CABINETS IN THE SAME LINE-UP WITH PROCESSOR, END OF LINE-UP CABINETS, POST CLEARANCES AND OTHER MINIMUM DIMENSIONS SHOWN IN AS-4 'AISLE SPACING'.

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