

	0	1	2	
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1	1 APPX	12-15-92		
2M	1 APPX	12-15-92		
3M	3M APPX	6-9-93		
4M	3M APPX 1M	7-27-94		
5M	3M APPX 2M	8-19-96		
6M	3M APPX 3M	8-19-96		
7M	4M APPX 4M	10-26-99		
8M	5M APPX 5M	01-16-01		

SUPPORTING INFORMATION			
SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
5ESS@	IH		

SHEET INDEX NOTES

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

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BT13

5ESS@ SWITCHING SYSTEM FLOORPLAN DATA FOR THE 5ESS@-2000 SWITCH CABINET

DWG SIZE: C2 ISSUE: 8

LUCENT TECHNOLOGIES, INC. SD-5D001-02 SHEET A1 53

P/O AS-1

CABINET DETAIL
5ESS-2000 SWITCH CABINET
(ED5D741)

NOTE:
1. THE ED5D741 IS SUPERSEDED BY ED5D785.

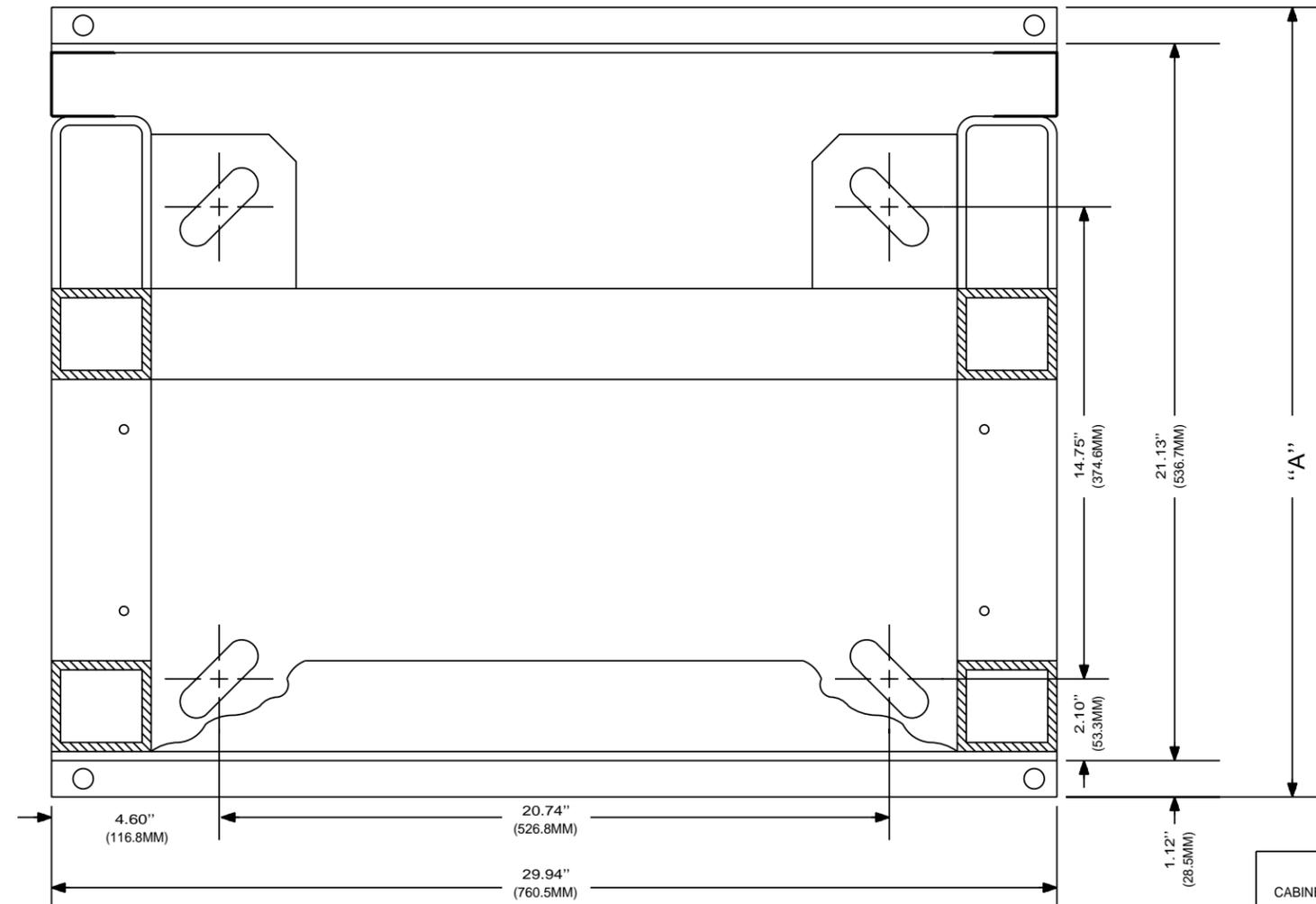


FIGURE 2

CABINET DET.	"A" DIMENSION (NOMINAL)	
	WITH DOOR FRAMES ONLY	WITH DOORS
ED5D741 ()	23.43" (595.0MM)	23.62" (600.0MM)

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B1

0 1 2 3 4 5 6 7 8 9

PO/ AS-1

5ESS® SWITCHING SYSTEM FLOORPLAN DATA
 CABINET DETAIL
 5ESS-2000 SWITCH CABINET
 (ED5D785)

A
B
C
D
E
F
G
H

A
B
C
D
E
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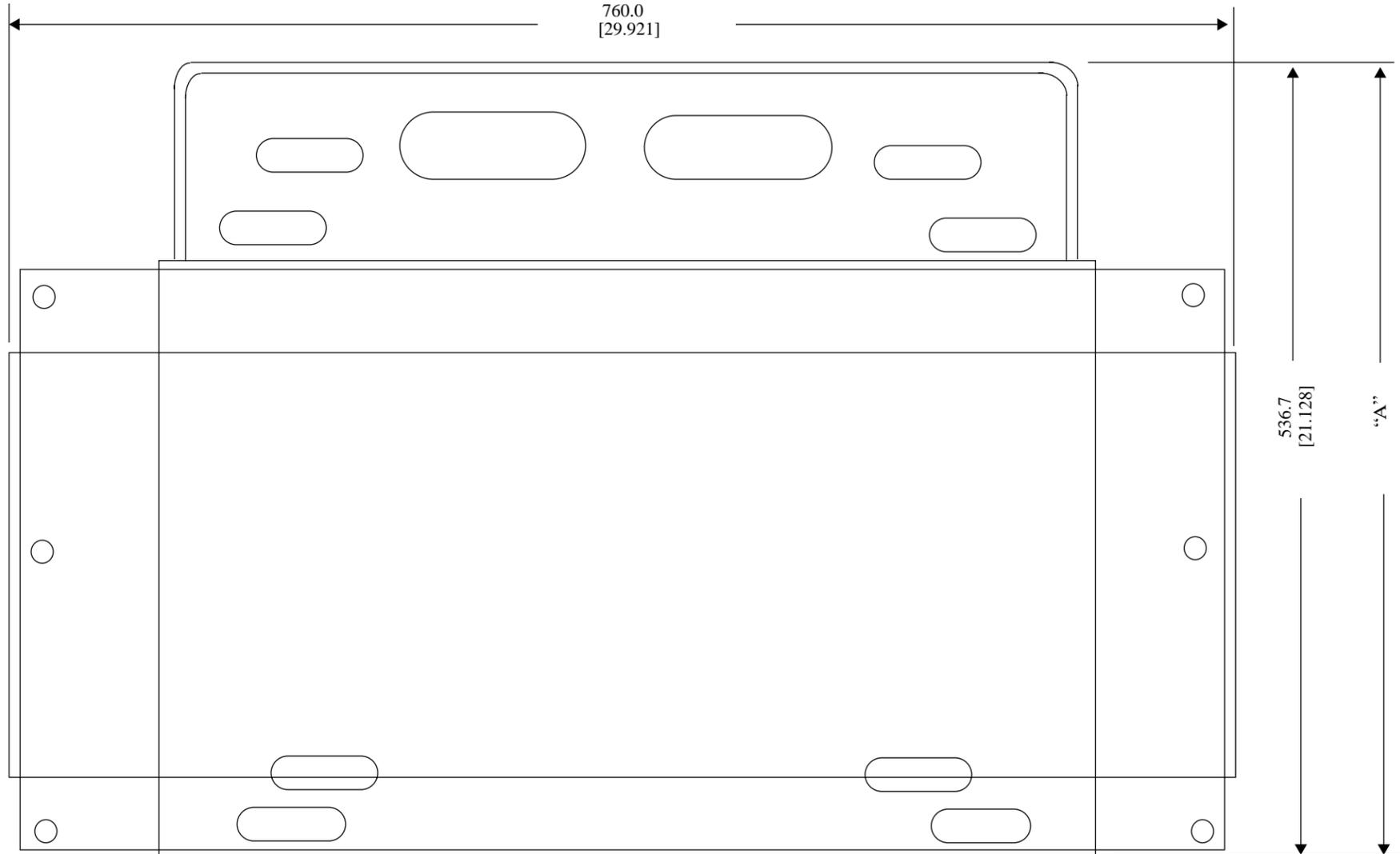


FIGURE 1

CABINET DET.	"A" DIMENSION (NOMINAL)	
	WITHOUT DOORS/ DOOR FRAME	WITH DOORS/ DOOR FRAME
ED5D785	21.12	23.32

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7
LUCENT TECHNOLOGIES, INC.	SD5D001-02	SHEET B2

0 1 2 3 4 5 6 7 8 9

P/O AS-1

GPDF CABINET DETAIL
5ESS - 2000 SWITCH CABINET

NOTES:
1. FOR MORE INFORMATION CONCERNING GPDF
CABINET, REFERENCE:847272846.

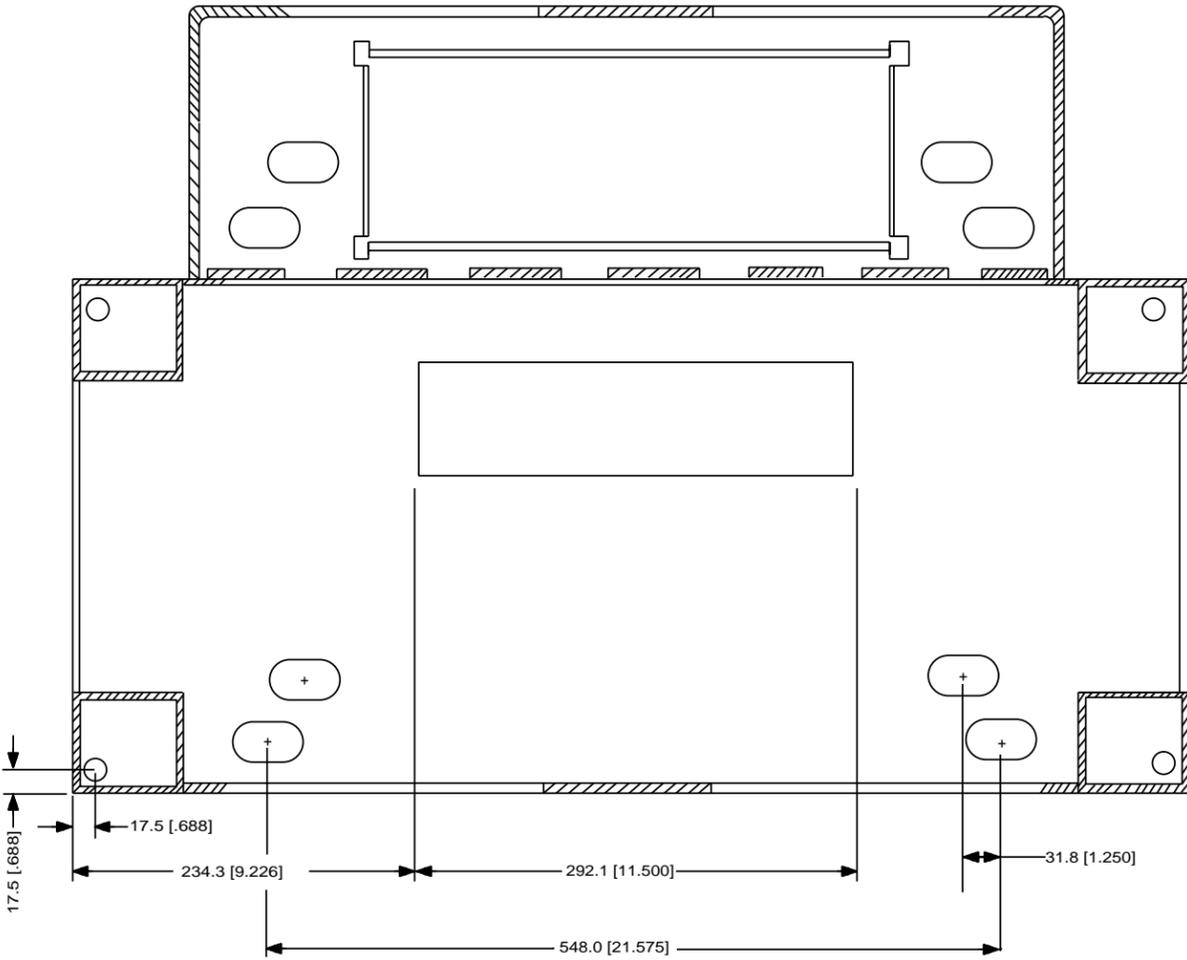


FIGURE 3

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B2A

P/O AS-1

CABINET DETAIL
5ESS-2000 SWITCH CABINET
(CABINET DOOR SWING)

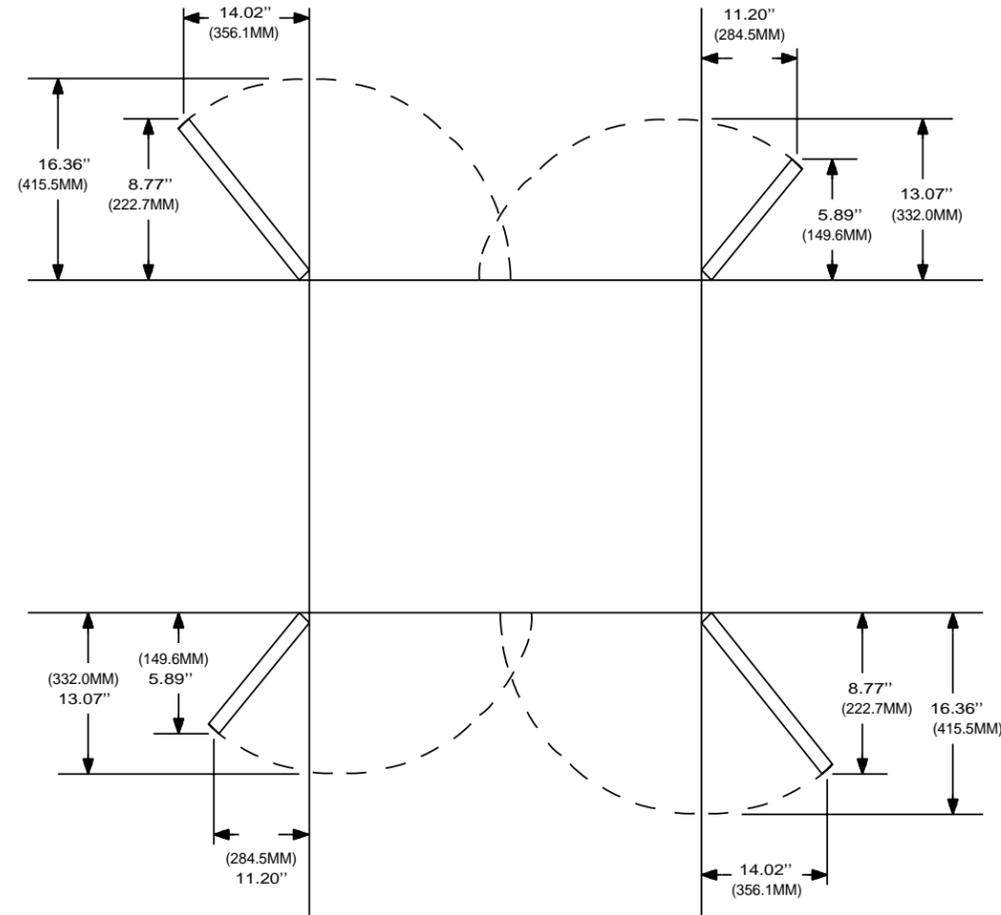


FIGURE 3

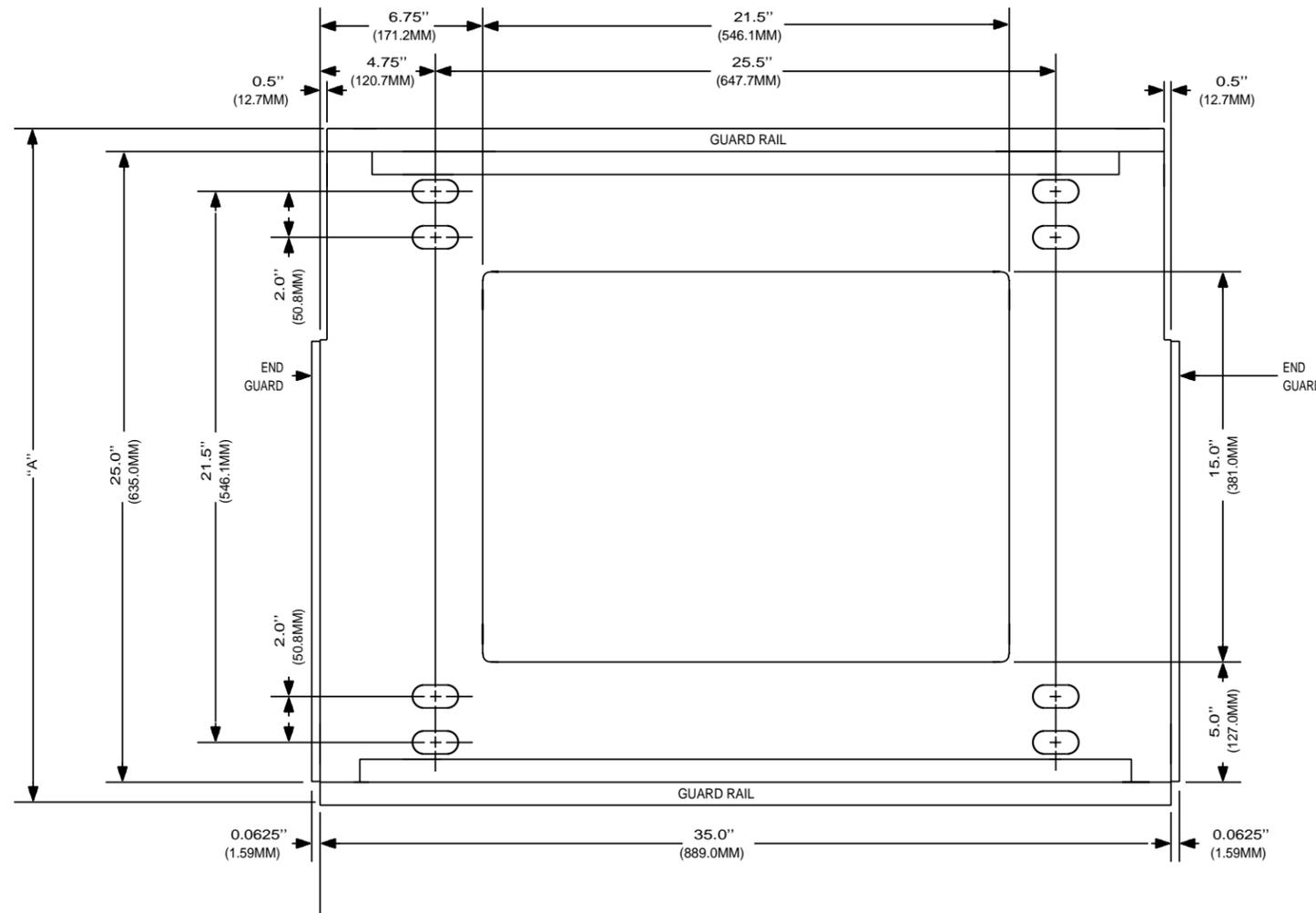
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B3

P/O AS-1

CABINET DETAIL
5ESS-2000 SWITCH CABINET
HIGHGATE MODULE

NOTE:

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



FRAME DET.	"A" DIM WITH GUARD RAILS
845892397	28.0" (711.2MM)

FIGURE 4

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B4

P/O AS-1

CABINET DETAIL
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[®]SWITCH). UP TO FOUR DATAKIT II VCS CABINETS (UNITS) CAN BE MOUNTED IN A HIGHGATE MODULE.

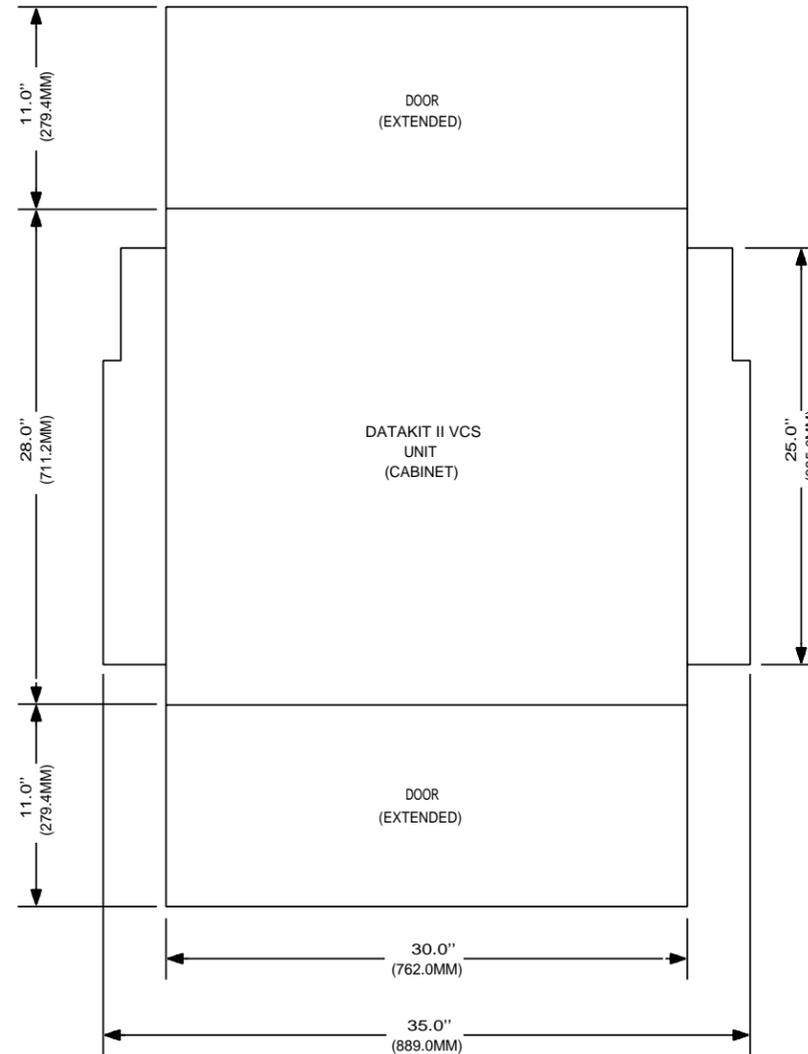


FIGURE 5

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B5

P/O AS-1

CABINET DETAIL
(MCC CONSOLE OUTLINE)

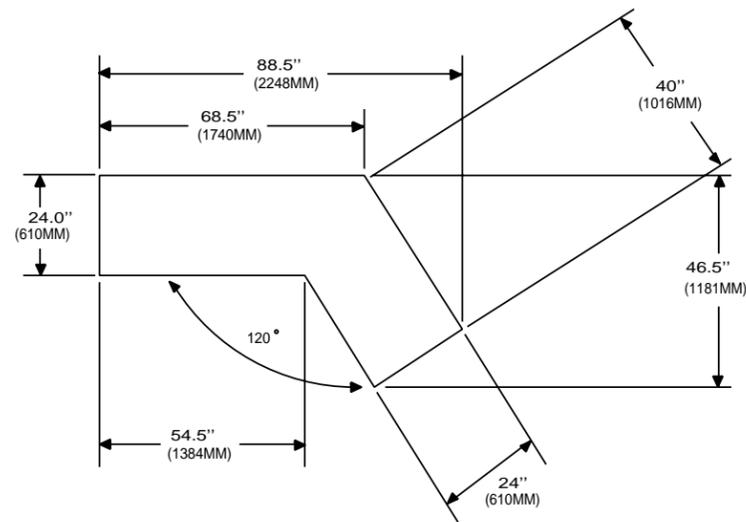


FIGURE 6

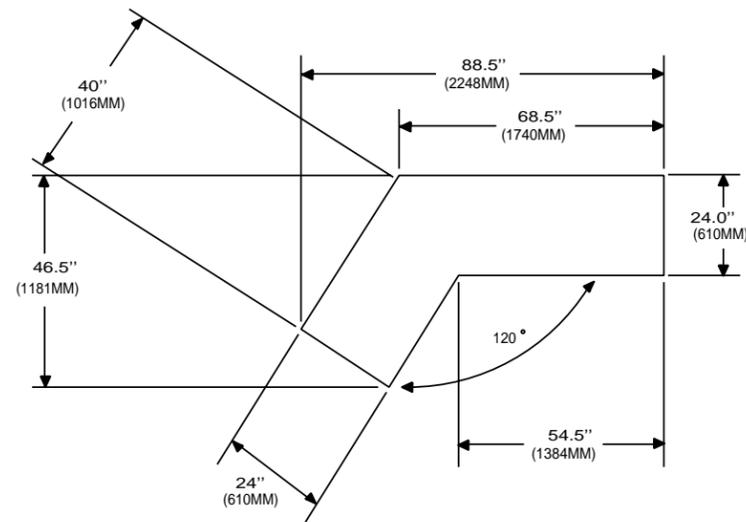


FIGURE 7

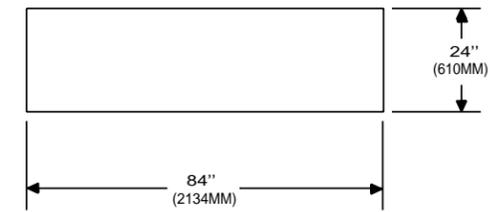


FIGURE 8

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B6

P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
PROCESSOR CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL							
PROCESSOR CABINET	J3T060A	SQ FT (SQ M) 10.96 1.02	CSPC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2						
WEIGHT LBS(KG) 700(317)		LIMITING CONDUCTOR INFORMATION DUAL SERIAL CHANNEL CABLING IS LIMITED TO 100 FT. (30.5M) IN LENGTH.		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT THE PROCESSOR BE LOCATED IN THE FIRST LINE-UP IN A 5ESS [®] SWITCHING SYSTEM.							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)		TAPE DATA CABLING TO TAPE DRIVE IS LIMITED TO 15 FT. (4.6M) IN LENGTH.									
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>2.5 (6.35)</td> <td>2.0 (5.08)</td> </tr> </tbody> </table>		SHIELD 1	SHIELD 3	SHIELD 4	—	2.5 (6.35)	2.0 (5.08)	DATA LINK CABLING TO MTTY AND ROP IS LIMITED TO 250 FT. (76.2M) IN LENGTH.			
SHIELD 1	SHIELD 3	SHIELD 4									
—	2.5 (6.35)	2.0 (5.08)									
NOTES:											

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FLOORPLAN DATA		
DWG SIZE C2	ISSUE 6M	
Lucent Technologies, Inc.	SD-5D001-02	SHEET B7

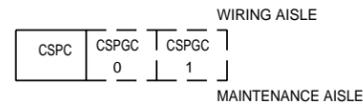
P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
PERIPHERAL GROWTH CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
PERIPHERAL GROWTH CABINET	J3T059A	10.96 1.02	CSPGC	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2
WEIGHT LBS(KG) 300(136)		LIMITING CONDUCTOR INFORMATION DATA CABLES TO TAPE DRIVES FROM CSPC ARE LIMITED TO 15FT(4.6M).		PLACEMENT RECOMMENDATIONS IT IS RECOMMENDED THAT CSPGC 0 BE LOCATED ADJACENT AND TO THE RIGHT OF THE CSPC AND THAT CSPGC 1 BE LOCATED ADJACENT AND TO THE RIGHT OF CSPGC 0 AS VIEW FROM THE MAINTENANCE AISLE.	
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	1.0 (2.54)	1.0 (2.54)			

NOTES:

- 3B21D PROCESSOR ARRANGEMENT.



- CSPGC 0 CAN BE EQUIPPED WITH EITHER ONE OR TWO TAPE DRIVES.
- CSPGC 1 CAN BE EQUIPPED WITH EITHER ONE OR TWO TAPE DRIVES.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B8

PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA
DIGITAL FACILITY ACCESS CABINET

TITLE DIGITAL FACILITY ACCESS CABINET	DRAWING NUMBER J3F010F	AREA REQ'D SQ FT (SQ M) 10.96 1.02	DESIGNATION DFA	FLOORPLAN DETAIL							
				CROSS SECTION FIGURE 1	DOOR SWING FIGURE 2						
WEIGHT LBS (KG) 700 (317)		LIMITING CONDUCTOR INFORMATION 1. THE DFA MUST BE WITHIN 200 CABLE FEET (60.96) OF THE RING NODE CABINET.		PLACEMENT RECOMMENDATIONS 1. NONE							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202 and 207											
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>4.0 (10.16)</td> <td>0.5 (1.27)</td> </tr> </tbody> </table>		SHIELD 1	SHIELD 3	SHIELD 4	—	4.0 (10.16)	0.5 (1.27)				
SHIELD 1	SHIELD 3	SHIELD 4									
—	4.0 (10.16)	0.5 (1.27)									
NOTES: 1. 2.											

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FLOOR PLAN DATA		DWG SIZE C2
		ISSUE 7
LUCENT TECHNOLOGIES, INC.	SD-5D001-02	SHEET B9

P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
RING NODE CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION RNC	FLOORPLAN DETAIL	
RING NODE CABINET	J3F011C	10.96 1.02		<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2
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 CABINET.		PLACEMENT RECOMMENDATIONS NONE	
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	3.0 (7.62)	0.5 (1.27)			
NOTES:					

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FLOORPLAN DATA		
DWG SIZE C2	ISSUE 6M	
Lucent Technologies, Inc.	SD-5D001-02	SHEET B10

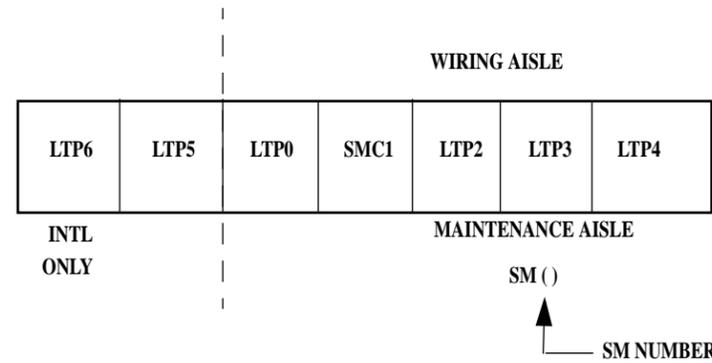
PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA LINE AND TRUNK PERIPHERAL CABINET EQUIPPED IN SM APPLICATIONS

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
				CROSS SECTION	DOOR SWING
LINE AND TRUNK PERIPHERAL CABINET	J5D003F	10.96 1.02	LTP	FIGURE 1	FIGURE 2
WEIGHT LBS (KG) 355 (297)		LIMITING CONDUCTOR INFORMATION 1. PICB AND PIDB CABLING BETWEEN LTP CABINETS AND ASSOCIATED SMC CABINET MUST NOT EXCEED 19 FT. DPIDB LENGTH LIMIT IS ALSO 19 FT. WHEN LTP CABINET IS EQUIPPED WITH A DLTU DLTU2, DLTU3, DLTUE OR DCLU, IT MUST BE LOCATED WITHIN 655 CABLE FEET (200M) OF THE DSX BAY.		PLACEMENT RECOMMENDATIONS 1. THE PLACEMENT OF LTP CABINETS IS BASED ON THE LOCATION OF ASSOCIATED SMC CABINETS WHICH HAVE A FIXED POSITIONAL RELATIONSHIP WITH EACH OTHER.	
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	5.5 (13.97)	0.7 (1.78)			

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.



LUCENT TECHNOLOGIES INC. - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS		
FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7M
LUCENT TECHNOLOGIES, INC.	SD-5D001-02	SHEET B11

P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
 SWITCHING MODULE CONTROL CABINET
 EQUIPPED IN SM APPLICATIONS

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION SMC	FLOORPLAN DETAIL							
SWITCHING MODULE CONTROL CABINET	J5D003E	10.96 1.02		<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2						
WEIGHT LBS(KG) 565(256)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)		OPTICAL FIBER NCT LINKS BETWEEN THE SMC CABINET AND THE CM MUST NOT EXCEED 1000 FT. (304.8M) IN LENGTH.		LOCATE AS NEAR AS POSSIBLE TO THE DISTRIBUTING FRAME END OF THE EQUIPMENT LINE-UP.							
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>0.2 (0.51)</td> <td>1.0 (2.54)</td> <td>0.8 (2.03)</td> </tr> </tbody> </table>		SHIELD 1	SHIELD 3	SHIELD 4	0.2 (0.51)	1.0 (2.54)	0.8 (2.03)	WHEN AN SMC CABINET IS EQUIPPED WITH DLTU, DLTU2, DLTU3, DLTUE, OR DCLU 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.	
SHIELD 1	SHIELD 3	SHIELD 4									
0.2 (0.51)	1.0 (2.54)	0.8 (2.03)									
		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							
<p>NOTES:</p> <ol style="list-style-type: none"> THE 1000 FT LIMIT BETWEEN THE SMC AND CM MAY SPAN TWO FLOORS. LOCATING AN SMC CABINET GREATER THAN ONE FLOOR ABOVE OR BELOW THE CM REQUIRES ADDITIONAL PROVISIONS FOR POWER DISTRIBUTION (SEE SD-5D005 AND SD-5D006) AND IS STILL SUBJECT TO THE 1000 FT LIMIT. IN APPLICATIONS UTILIZING THE TRANSMISSIONLESS REMOTED MODULE (TRM), THE OPTICAL FIBER NCT LINK BETWEEN THE CM 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 C2	ISSUE 6M	
Lucent Technologies, Inc.	SD-5D001-02	SHEET B12

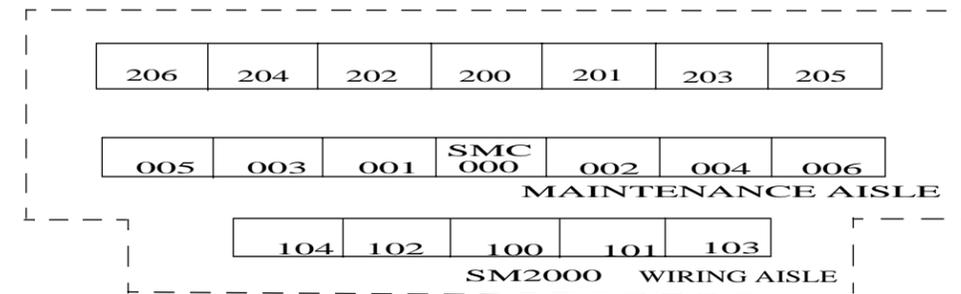
PO/ AS-2

5ESS@ SWITCHING SYSTEM FLOORPLAN DATA FOR THE SM2000 LINE AND TRUNK PERIPHERAL CABINET

TITLE LINE AND TRUNK PERIPHERAL CABINET	DRAWING NUMBER J5D003F	AREA REQ'D SQ FT (SQ M) 10.96 1.02	DESIGNATION LTP	FLOORPLAN DETAIL			
				CROSS SECTION FIGURE 1	DOOR SWING FIGURE 2		
WEIGHT LBS (KG) 661 (300)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS			
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207		<ol style="list-style-type: none"> PICB AND PIDB CABLING BETWEEN THE LTP CABINETS AND THE SMC MUST NOT EXCEED 28 CABLE FEET (8.53M) IN LENGTH. DPIDB LIMITS IS 19 FT (6m). WHEN LTP CABINET IS EQUIPPED WITH A DLTU-DLTU2 OR DLTU3 IT MUST BE LOCATED WITHIN 655 CABLE FEET (200M) OF THE DSX BAY. ALL CABLE TERMINATIONS TO THE UNIT ARE MADE TO THE FRONT SIDE OF THE UNIT (EQUIPMENT SIDE). THE OPTICAL LINKS WILL ENABLE THE SM2000 TO BE LOCATED UP TO 2000 FEET AWAY FROM CLASSIC SM PERIPHERALS BEING MIGRATED. 		<ol style="list-style-type: none"> THE PLACEMENT OF LTP CABINETS ARE BASED UPON THE LOCATION OF THEIR ASSOCIATED SMC CABINET WITH WHICH THEY HAVE A FIXED POSITIONAL RELATIONSHIP. 			
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>2.0 (5.08)</td> <td>.75 (1.91)</td> </tr> </tbody> </table>						SHIELD 1	SHIELD 3
SHIELD 1	SHIELD 3	SHIELD 4					
—	2.0 (5.08)	.75 (1.91)					

NOTES:

- LTP CABINETS ASSOCIATED WITH GIVEN SM2000 CAN BE SPREAD OVER THREE ADJACENT LINE - UP WITH THE SMC LOCATED IN THE CENTER LINE - UP.
- LTP CABINETS LOCATED IN A LINE - UP ACROSS THE AISLE FROM THE LINE - UP CONTAINING THE SMC MUST HAVE A LTP CABINET (LTP 100 AND / OR LTP 200) LOCATED DIRECTLY ACROSS FROM THE SMC FOR CABLING REASONS. THESE CABINETS ARE ATTACHED TO THE SMC VIA A ED5D772-20 CABLE RACK EMANATING FROM THE SMC.
THE MAXIMUM NUMBER OF LTP CABINETS THAT CAN BE LOCATED ACROSS THE WIRING AISLE FROM THE SMC IS NINE WHILE THE MAXIMUM NUMBER OF LTP CABINETS THAT CAN BE LOCATED ACROSS THE MAINTENANCE AISLE FROM THE SMC IS FIVE. THIS IS DUE TO PICB, PIDB AND DPIDB CABLE LENGTH RESTRICTIONS. THIS NUMBER IS BASED UPON A MINIMUM WIRING AISLE WIDTH OF 2-0 FT (610 MM) AND A MINIMUM MAINTENANCE AISLR WIDTH OF 2-10 FT (864MM). IF THE WIRING AND / OR MAINTENANCE AISLE WIDTH IS INCREASED, THE NUMBER OF LTP CABINETS THAT CAN BE LOCATED ACROSS THE WIRING AND / OR MAINTENANCE AISLE WOULD DECREASE (SEE NOTE 7).
- LTP CABINETS ARE NUMBERED AS AN INTEGRAL PART OF A SM2000 AND ARE GIVEN A FIXED CABINET NUMBER AS RELATED TO THEIR ASSOCIATED SMC. CABINETS LOCATED IN THE SAME LINE - UP AS THE SMC WILL BE ASSIGNED A (0XX) NUMBER, CABINETS LOCATED ACROSS THE MAINTENANCE AISLE WILL BE ASSIGNED A (1XX) NUMBER WHILE CABINETS LOCATED ACROSS THE WIRING AISLE WILL BE ASSIGNED A (2XX) NUMBER. SEE SM2000 CABINET LAYOUT FIGURES FOR THE NUMBERING SCHEME AND MAXIMUM LAYOUT OF A SM2000 UTILIZING PIDBS, PICBS, AND / OR DPIDBS.
- LTP CABINETS ASSOCIATED WITH A GIVEN SM2000 ARE GROWN OUTWARD FROM THE SMC, LTP 100 AND / OR LTP 200 DEPENDING UPON WHICH LINE - UP THE LTP CABINETS ARE BEING GROWN ONTO. LTP CABINETS GROWN TO THE LEFT OF THE SMC, LTP 100 AND LTP 200 (AS VIEW FROM THE LINE - UP'S MAINTENANCE AISLE) ARE ASSIGNED AN ODD CABINET NUMBER WHILE LTP 200 (AS VIEW FROM THE LINE - UP'S MAINTENANCE AISLE) ARE ASSIGNED AN EVEN CABINET NUMBER.
- A MAXIMUM OF 28 FT. PICB/PIDB CABLING WILL BE USED TO CONNECT FROM THE OXU TO THE PERIPHERAL UNIT.
- ON OPTICAL EXTENDED UNIT THE PICB/PIDB CABLES ARE ALLOWED TO CROSS AISLE.



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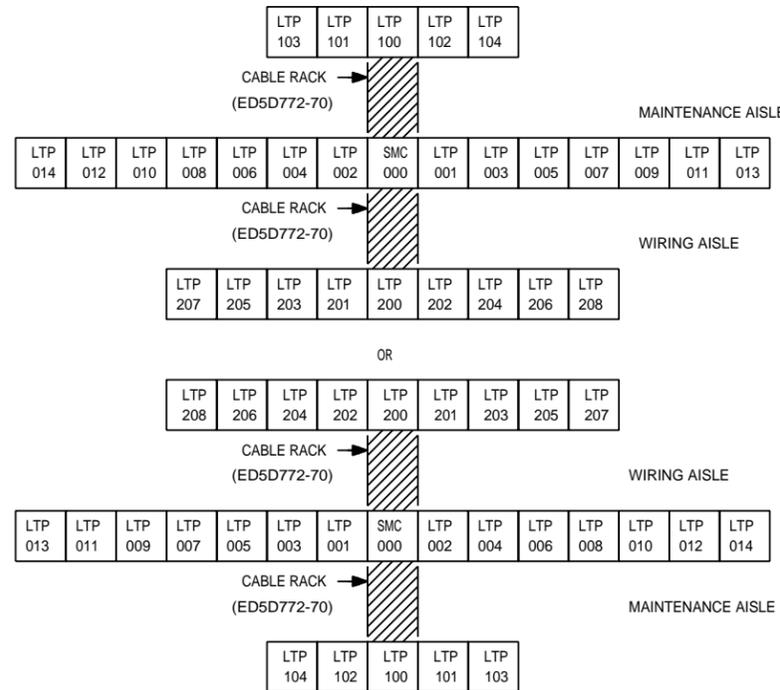
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5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
FOR THE SM2000 LINE AND TRUNK
PERIPHERAL CABINET

TITLE LINE AND TRUNK PERIPHERAL CABINET	DWG NO. J5D003P	DESIGNATION LTP
---	--------------------	--------------------

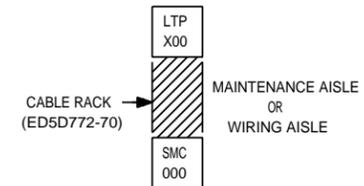
NOTES:

- BALANCED GROWTH OF LTP CABINETS TO THE RIGHT AND LEFT OF THE SMC, LTP 100, AND LTP 200 IS RECOMMENDED.
- ALL LTP CABINETS ASSOCIATED WITH A GIVEN SM2000 MUST BE MOUNTED CONTIGUOUSLY WITH EITHER ANOTHER LTP CABINET (ASSOCIATED WITH THE SAME SM2000) OR THE SMC. THESE CABINETS CAN NOT BE SEPARATED BY A BUILDING COLUMN, CROSS AISLE, VACANT FLOOR SPACE, ETC..
- THE LINE ENGINEER SHOULD WORK WITH THE CUSTOMER IN ORDER TO DETERMINE THE BEST FLOORPLAN FOR A GIVEN OFFICE AND SHOULD NOT ASSUME THAT ALL SM2000'S WILL BE EQUIPPED WITH THE MAXIMUM NUMBER OF LTP CABINETS. THE LINE ENGINEER SHOULD ALSO ANTICIPATE GROWTH AND PROVIDE AMPLE FLOOR SPACE FOR LTP GROWTH AND GROWTH OF ADDITIONAL SM2000S.
- THE NUMBER OF CROSS-AISLE LTP CABINETS IS DEPENDENT UPON AISLE WIDTH. IF THE AISLE SPACING IS INCREASED AN ADDITIONAL:
1.00" - 12.00" (25.4MM - 305.0MM), THE NUMBER OF CROSS-AISLE LTPS IS REDUCED BY TWO.
12.01" - 24.00" (305.1MM - 610.0MM), THE NUMBER OF CROSS-AISLE LTPS IS REDUCED BY FOUR.
- MAXIMUM SM2000 CABINET LAYOUT

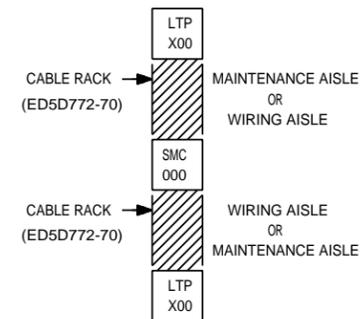


NOTES (CONT):

- THE MINIMUM SM2000 CABINET LAYOUT FOR A LTP CABINET MOUNTED ACROSS THE WIRING OR MAINTENANCE AISLE IS AS FOLLOWS:



- THE MINIMUM SM2000 CABINET LAYOUT FOR LTP CABINETS MOUNTED ACROSS BOTH THE WIRING AND MAINTENANCE AISLE IS AS FOLLOWS:



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5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
FOR THE SM2000 SWITCHING MODULE
CONTROL CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
SWITCHING MODULE CONTROL CABINET	J5D003N	10.96 1.02	SMC	<u>CROSS SECTION</u>	<u>DOOR SWING</u>
				FIGURE 1	FIGURE 2
WEIGHT LBS(KG) 500 (227)	LIMITING CONDUCTOR INFORMATION THE MAXIMUM LENGTH OF ANY INDIVIDUAL PICB, PIDB, AND/OR DPIDB CABLE CAN NOT EXCEED 28 CABLE FEET (8.53M) IN LENGTH. OPTICAL FIBER NCT LINKS BETWEEN THE SMC CABINET AND THE CM2 IN MULTIMODULE APPLICATIONS MUST NOT EXCEED 2,000 FT (304.8 M) IN LENGTH.		PLACEMENT RECOMMENDATIONS THE SMC MUST BE LOCATED ADJACENT TO ITS ASSOCIATED LINE AND TRUNK PERIPHERAL CABINETS. SEE THE "SM2000 LTP" NOTES FOR TYPICAL INSTALLATION AND CABINET NUMBERING.		
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
4.4 (28.39)	14.4 (91.62)	1.6 (10.32)			

NOTE:

THE 1,000 FT LIMIT BETWEEN THE SMC AND CM2 MAY SPAN TWO FLOORS. LOCATING AN SMC CABINET GREATER THAN ONE FLOOR ABOVE OR BELOW THE CM2 REQUIRES ADDITIONAL PROVISIONS FOR POWER DISTRIBUTION (SEE SD5D005 AND SD5D006) AND IS STILL SUBJECT TO THE 1,000 FT LIMIT.

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5ESS[®] 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) 10.96 1.02	CM	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2												
WEIGHT LBS(KG) 655(297)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS													
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)		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 (7.11) 1.0 (2.54) 1.5 (3.81)		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 CM2 CABINET.																	
2. ALL CM2 CABINETS MUST BE INSTALLED IN A CONTIGUOUS ARRANGEMENT AND ARE NUMBERED 00 TO 11 AS SHOWN. THE CM2 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 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.																	
4. LINE ENGINEER SHOULD ANTICIPATE CM GROWTH AND PROVIDE AMPLE FLOOR SPACE ON EACH END OF THE CM2.																	
5. CM2 STANDART INSTALLATION																	
WIRING AISLE																	
<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>						CM00	CM01	CM02	CM03	CM04	CM05	CM06	CM07	CM08	CM09	CM10	CM11
CM00	CM01	CM02	CM03	CM04	CM05	CM06	CM07	CM08	CM09	CM10	CM11						
MAINTENANCE AISLE																	

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FLOORPLAN DATA		
DWG SIZE C2	ISSUE 6M	
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5ESS® SWITCHING SYSTEM FLOORPLAN DATA COMMUNICATION MODULE, MODEL 3

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
				CROSS SECTION	DOOR SWING
COMMUNICATION MODULE MODEL 3	J5D020C-1	10.96 1.02	CM	FIGURE 1	FIGURE 2
WEIGHT LBS (KG) 627 (284)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS	
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207		<ol style="list-style-type: none"> THE CABLING WHICH PROVIDES TMS EXPANSION BETWEEN CM3 CABINETS MUST NOT EXCEED 100FT (30.5M). 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. CABLING BETWEEN THE ANALOG REFERENCE DISTRIBUTION FRAME AND THE NETWORK CLOCK IN THE CM3 BASIC CABINETS (05 & 06) MUST NOT EXCEED 200 FT (61M). THE CABLING WHICH PROVIDES DIGITAL REFERENCE SIGNALS TO THE NETWORK CLOCK IN CM3 BAYS 05 AND 06 FROM THE DSX BAY MUST NOT EXCEED 655 FT (200M). 			
SHIELD 1	SHIELD 3			SHIELD 4	<ol style="list-style-type: none"> IT IS RECOMMENDED THAT THE CM BE LOCATED IN THE SAME LINE-UP WITH THE ADMINSTRATIVE MODULE WHERE PRACTICAL.
3.3 (21.2)	1.4 (9.26)	.5 (3.14)			
NOTES: <ol style="list-style-type: none"> CM3 IS A FRONT AND REAR DUPLEX CABINET. ACCESS MUST BE POSSIBLE TO THE FRONT AND REAR OF THE CABINET. 					

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	C2	8
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5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
DATA SET CABINET

TITLE	DWG NO.	AREA REQ'D	DESIGNATION	FLOORPLAN DETAIL	
DATA SET CABINET	ED-5D522	SQ FT (SQ M) 10.96 1.02	DSC	CROSS SECTION	DOOR SWING
WEIGHT LBS(KG) 420(204)		LIMITING CONDUCTOR INFORMATION OSS DATA LINK CABLING BETWEEN THE DSC AND FURTHEST PCCA CABINET MUST NOT EXCEED 50 FT. (15.2M) IN LENGTH.		FIGURE 1	FIGURE 2
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)				PLACEMENT RECOMMENDATIONS NONE	
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	4 (10.16)	5 (12.70)			
<p>NOTES:</p> <ol style="list-style-type: none"> 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. 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 C2	ISSUE 6M	
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5ESS[®] 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 3	<u>DOOR SWING</u> FIGURE 4
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 (0.91M) AND THE A WIRING AISLE SPACING OF 3 FEET (0.91M) REGARDLESS OF THE LOCATION (AS STATED ABOVE) OF THE HMC. BECAUSE THE HMC IS PHYSICALLY LARGER THAN THE 5ESS-2000 SWITCH CABINET, WHICH IS USED THROUGHOUT THE 5ESS SWITCH, A HMC MAY NOT BE MOUNTED ADJACENT TO A 5ESS-2000 SWITCH CABINET. 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 (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
3.0 (7.62)	20.0 (50.80)	2.0 (5.08)			
NOTES: 1. BECAUSE OF THE NON STANDARD HEIGHT OF THE HMC (72"), 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.					
<p>The diagram shows a row of six Highgate Module Cabinets (HMC) positioned between two columns. Below this row, there are two 5ESS-2000 Switch Cabinets. The columns are represented by boxes with an 'X' inside, and the HMC units are labeled 'HMC'.</p>					

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FLOORPLAN DATA		
DWG SIZE C2	ISSUE 6M	
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5ESS[®] 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) 10.96 1.02	DESIGNATION MCC OR STLWS	FLOORPLAN DETAIL <u>CROSS SECTION</u> <u>DOOR SWING</u> FIGURE 1 FIGURE 2	
WEIGHT LBS(KG) 800(362)		LIMITING CONDUCTOR INFORMATION DATA LINK CABLING CONNECTING THE MTTY AND ROP 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 (SQ CM) <u>SHIELD 1</u> <u>SHIELD 3</u> <u>SHIELD 4</u> — 0.5 (1.27) —						
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.						

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FLOORPLAN DATA	DWG SIZE	ISSUE
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5ESS[®] 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 ROP TO THE 3B20D PROCESSOR MUST NOT EXCEED 250 FT. (76.2M).		CROSS SECTION FIGURE 5,6,7	DOOR SWING N/A						
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) SHIELD 1 SHIELD 3 SHIELD 4 — — —				PLACEMENT RECOMMENDATIONS THE RECOMMENDED PLACEMENT OF THE MCC IS IN THE PROCESSOR MAINTENANCE AISLE							
<p>NOTES:</p> <ol style="list-style-type: none"> 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. TO AVOID NOISE DISTRACTIONS, THE MCC AND/OR STLWS MAY BE LOCATED IN A ROOM SEPARATE FROM THE REMAINING 5ESS[®] SWITCHING SYSTEM EQUIPMENT. 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. AREA REQUIREMENTS FOR MCC/STLWS CONSOLE OPTIONS ARE AS FOLLOWS: <table border="1" data-bbox="1165 1260 1578 1340"> <thead> <tr> <th>FIGURE 5</th> <th>FIGURE 6</th> <th>FIGURE 7</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 (3.90)</td> </tr> </tbody> </table>						FIGURE 5	FIGURE 6	FIGURE 7	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 42 (3.90)
FIGURE 5	FIGURE 6	FIGURE 7									
SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 58 (5.39)	SQ FT (SQ M) 42 (3.90)									

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FLOORPLAN DATA		DWG SIZE C2
		ISSUE 6M
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5ESS@ SWITCHING SYSTEM FLOORPLAN DATA

MISCELLANEOUS CABINET

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL			
				CROSS SECTION	DOOR SWING		
MISCELLANEOUS CABINET	J5D005C	10.96 1.02	M	FIGURE 1	FIGURE 2		
WEIGHT LBS (KG) 650lbs (295kg)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS			
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207		<ol style="list-style-type: none"> SCAN AND SIGNAL DISTRIBUTOR CABLING BETWEEN THE OAU IN THE MISCELLANEOUS CABINET AND THE IOP MUST NOT EXCEED 1000 FT. (304.8M) IN LENGTH. IN ORM APPLICATIONS, THE OPTICAL FIBER NCT LINK BETWEEN THE CM 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 IT'S 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). THE ETHERNET LINKS BETWEEN THE RTCD CABINET AND GBSM CANNOT EXCEED 100 METERS IN LENGTH. THE MAXIMUM LENGTH OF ANY INDIVIDUAL CABLE FROM ANY UNIT WITHIN THE RTCD CABINET TO THE A/B DATA SWITCH BOX CAN NOT EXCEED 25 METERS. THE ASM MAYBE INSTALLED IN A MISCELLANEOUS CABINET THAT IS EQUIPPED WITH A MIFU WITH SPACE FOR TWO 7A FEEDS ON THE SAME "A" OR "B" SIDE THAT IS LOCATED WITHIN 100 CABLE FEET OF THE 3B21D. DRM CAN BE UP TO 2,000 MILES FROM THE HOST. 		<ol style="list-style-type: none"> THE RTCD CABINET MUST BE CO-LOCATED TO A GBSM. 			
<table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>1.4 (3.56)</td> <td>0.7 (1.78)</td> </tr> </tbody> </table>						SHIELD 1	SHIELD 3
SHIELD 1	SHIELD 3	SHIELD 4					
—	1.4 (3.56)	0.7 (1.78)					
NOTES: <ol style="list-style-type: none"> ALL VALUES SPECIFIED ASSUME THE MISCELLANEOUS CABINET IS EQUIPPED WITH ONE WP91652 INVERTER ONE 14Q RECORDED ANNOUNCEMENT UNIT, ONE RESISTOR PANEL, ONE OFFICE ALARM UNIT (OAU) AND ONE DIAL TONE DELAY ALARM PANEL. MISCELLANEOUS CABINETS ARE NUMBERED SEQUENTIALLY STARTING WITH 00. THE SWITCH OWNER WILL NEED TO PROVIDE 10/100 BASET ETHERNET ACCESS AT THE TIME OF INSTALLATION. 							

ASM = ADMINISTRATIVE SERVICE MODULE (ED5D839-30)
 RTCD = REAL TIME CALL DETAIL (ED5D838-30)
 DRM = DISTANT RELIABLE MODULE (ED5D873-30)

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5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
MODEM POOL CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL						
MODEM POOL CABINET	J5D007B	10.96 1.02	MPC	<u>CROSS SECTION</u>	<u>DOOR SWING</u>					
WEIGHT LBS(KG)		LIMITING CONDUCTOR INFORMATION		FIGURE 1	FIGURE 2					
475(215)		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						
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)				MODEM POOL GROUPS MAY BE PLACED ANYWHERE IN THE 5ESS SWITCH.						
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>								
—	2.0 (5.08)	.75 (1.91)								
<p>NOTES:</p> <ol style="list-style-type: none"> THE MAXIMUM NUMBER OF MODEM POOL CABINETS (MPC) PER MODEM POOL GROUP (MPG) IS FIVE. MODEM POOL CABINETS ARE NUMBERED 0-4 WITHIN AN MPG. 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. MPG'S ARE NUMBERED 0 THRU N WHERE N IS ANY CONSECUTIVE NUMBER WITH NO LEADING ZERO'S. ALL MPC'S WITHIN AN MPG MUST BE INSTALLED IN A CONTINUOUS LINE-UP. IT IS NOT NECESSARY TO PROVIDE 5 MPC'S IN A MPG BEFORE ADDING AN MPG. 										
<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	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B22

P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
OPERATOR SERVICES CONTROL DATA SET CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION OPCDS	FLOORPLAN DETAIL	
OPERATOR SERVICES CONTROL DATA SET CABINET	J5D003K	10.96 1.02		<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2
WEIGHT LBS(KG) 500(227)		LIMITING CONDUCTOR INFORMATION MAXIMUM CABLE LENGTH FOR THE DATA LINK CABLING BETWEEN THE RISLU TERMINAL ADAPTERS AND THE OPCDS IS 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 (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	1.8 (4.57)	0.7 (1.78)			
NOTES: 1. REFER TO SD-5D135-01 FOR ADDITIONAL OSPS INFORMATION.					

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FLOORPLAN DATA		
DWG SIZE C2	ISSUE 6M	
Lucent Technologies, Inc.	SD-5D001-02	SHEET B23

P/O AS-2

5ESS[®] SWITCHING SYSTEM FLOORPLAN DATA
POWER DISTRIBUTION CABINET

TITLE	DWG NO.	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL							
POWER DISTRIBUTION CABINET	J86334D	10.96 1.02	PCFD	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2						
WEIGHT LBS(KG) 555(252)		LIMITING CONDUCTOR INFORMATION 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. WIRING BETWEEN PCFD AND OTHER 5ESS [®] EQUIPMENT IS LIMITED IN LENGTH SUCH THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED DEFINED LIMITS. SEE SD-5D005-01 FOR THESE LIMITS.		PLACEMENT RECOMMENDATIONS POWER DISTRIBUTION CABINETS (PCFD) SHOULD BE CENTRALLY LOCATED WITH RESPECT TO THE CABINETS THEY WILL ULTIMATELY SERVE. PCFD CABINETS SHALL BE PLACED IN LINE WITH ONE ANOTHER TO SIMPLIFY VIA AND CROSS-AISLE CABLE RACKING. 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.							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)											
<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									
—	—	—									
<p>NOTES:</p> <ol style="list-style-type: none"> PCFD CABINETS ARE NUMBERED 00,01,02, ETC. 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. 											

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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P/O AS-2

5ESS[®] 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) 10.96 1.02	RISLU	<u>CROSS SECTION</u> FIGURE 1	<u>DOOR SWING</u> FIGURE 2
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 (SQ CM)					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	3.4 (8.64)	1.9 (4.83)			
NOTES: 1. RISLU CABINETS ARE NUMBERED 0 THROUGH 7. 2. WHEN RISLU CABINETS ARE CO-LOCATED WITH THE 5ESS [®] 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 [®] 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 C2	ISSUE 6M	
Lucent Technologies, Inc.	SD-5D001-02	SHEET B25

PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA INTERWORKING FUNCTION CABINET

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL							
				CROSS SECTION	DOOR SWING						
INTERWORKING FUNCTION CABINET	ED5D811-31	10.96 1.02	IWF	FIGURE 1	FIGURE 2						
WEIGHT LBS (KG) 550 (250)		LIMITING CONDUCTOR INFORMATION 1.		PLACEMENT RECOMMENDATIONS 1.							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207											
<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									
—	—	—									
<p>NOTES:</p> <p>1. EACH 5ESS® GSM MSC OFFICE WITH AN IWF CABINET MUST BE EQUIPPED WITH AN OAM&P SYSTEM DEDICATED TO THE IWF CABINET. SEE ENGINEERING NOTES FOR CABLING AND BASIC CONFIGURATION FOR YEAR 2K.</p> <p>2. THE MAXIMUM IWF SYSTEM CONFIGURATIONS IS 140 IWF SHELVES AND 35 IWF CABINETS.</p>											

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7
LUCENT TECHNOLOGIES, INC.	SD-5D001-02	SHEET B25A

PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA INTERWORKING FUNCTION CABINET, VERSION 2

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
				CROSS SECTION	DOOR SWING
INTERWORKING FUNCTION VERSION 2	ED5D876-30	10.96 1.02	IWF2	FIGURE 1	FIGURE 2
WEIGHT LBS (KG) 600 (276)		LIMITING CONDUCTOR INFORMATION 1.		PLACEMENT RECOMMENDATIONS 1. IWF VERSION 2 IS AN ADJUNCT TO THE 5ESS® SWITCH AND CAN BE PLACED ANYWHERE NEXT TO THE 5ESS® LINE UP. 2. IWF VERSION 2 CABINETS NEED NOT BE LOCATED ADJUNCT TO ONE ANOTHER.	
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
—	1.5"	1.0"			
NOTES: 1. EACH GSM MSC OFFICE EQUIPPED WITH AN IWF VERSION 2 CABINET MUST BE EQUIPPED WITH AN IWF MANAGEMENT SYSTEM (IMS). SEE ED5D876-30 FOR INFORMATION CONCERNING THE IMS. 2. THE MAXIMUM IWF VERSION 2 CONFIGURATIONS IS 18 CABINETS PER IWF VERSION 2 SYSTEM.					

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FLOORPLAN DATA		DWG SIZE	ISSUE
		C2	7
LUCENT TECHNOLOGIES, INC.	SD-5D001-02		SHEET B25B

PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA
MULTI - SERVICE MODULE CABINET

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL	
				CROSS SECTION	DOOR SWING
7R/E PACKET DRIVER (MSM)	J5D061A-1	10.96 1.02	MSM	FIGURE 1	FIGURE 2
WEIGHT LBS (KG) (4) CABINET TYPES MAX CABINET WEIGHT 750 lbs		LIMITING CONDUCTOR INFORMATION 1. MSM CABLING REQS ARE THE STANDARD LEQ'S FOR OPTICS, ETHERNET, RS232, DS1, DS3, E1, E3, STM1, STS1, PWD AND GRD. ALL TIP AND RING TYPE CABLING SHALL BE SHIELDED CABLES.		PLACEMENT RECOMMENDATIONS 1. CONTIGUOUS LINE - UP RECOMMENDED BUT NOT REQ'D.	
SYSTEM AVG. CABLE CROSS SECTION SQ IN (SQ CM) REF. EQUIPMENT NOTES: 202, 207					
<u>SHIELD 1</u>	<u>SHIELD 3</u>	<u>SHIELD 4</u>			
0.1	5.0	0.6			
NOTES: 1. MSM IS MADE UP OF ONE TO FOUR CABINET TYPES: MSM RAC MSM ATM MSM EXP MSM RAC2 THESE CAN BE USED SINGLY OR IN GROUPS. 2. MSM FAN AND FUSE ALARMS MAY BE MULTED TOGETHER WHEN CABINETS ARE IN A CONTIGUOUS LINE - UP TO REDUCE NUMBER OF CUSTOMER ASSIGNABLE SCAN POINTS. 3. MSM REQUIRES EXTERNAL WORKSTATIONS TO SUPPORT OAM + P (ELEMENT MANAGER) AND ADMINISTRATIVE DATA (RADIUS ABM). 4. MSM ATM AND MSM RAC2 HAVE SPECIAL FUSING REQUIREMENTS.					

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7
LUCENT TECHNOLOGIES, INC.	SD-5D001-02	SHEET B25C

PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA REAL TIME CALL DETAIL CABINET

TITLE	DRAWING NUMBER	AREA REQ'D SQ FT (SQ M)	DESIGNATION	FLOORPLAN DETAIL							
				CROSS SECTION	DOOR SWING						
MISCELLANEOUS CABINET	J5D005C	10.96 1.02	M	FIGURE 1	FIGURE 2						
WEIGHT LBS (KG)		LIMITING CONDUCTOR INFORMATION		PLACEMENT RECOMMENDATIONS							
650lbs (295kg)		<ol style="list-style-type: none"> SCAN ANS SIGNAL DISTRIBUTOR CABLING BETWEEN THE OAU IN THE MISCELLANEOUS CABINET AND THE IOP MUST NOT EXCEED 1000 FT. (304.8M) IN LENGTH. IN ORM APPLICATIONS, THE OPTICAL FIBER NCT LINK BETWEEN THE CM 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 IT'S 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). THE ETHERNET LINKS BETWEEN THE RTCD CABINET AND GBSM CANNOT EXCEED 100 METERS IN LENGTH. THE MAXIMUM LENGTH OF ANY INDIVIDUAL CABLE FROM ANY UNIT WITHIN THE RTCD CABINET TO THE A/B DATA SWITCH BOX CAN NOT EXCEED 25 METERS. THE ASM MAYBE INSTALLED IN A MISCELLANEOUS CABINET THAT IS EQUIPPED WITH A MFU WITH SPACE FOR TWO 7A FEEDS ON THE SAME "A" OR "B" SIDE THAT IS LOCATED WITHIN 100 CABLE FEET OF THE 3B21D. 		<ol style="list-style-type: none"> THE RTCD CABINET MUST BE CO-LOCATED TO A GBSM. 							
SYSTEM CABLE CROSS SECTION SQ IN (SQ CM)		<p>REF. EQUIPMENT NOTES: 202, 207</p> <table border="1"> <thead> <tr> <th>SHIELD 1</th> <th>SHIELD 3</th> <th>SHIELD 4</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>1.4 (3.56)</td> <td>0.7 (1.78)</td> </tr> </tbody> </table>				SHIELD 1	SHIELD 3	SHIELD 4	—	1.4 (3.56)	0.7 (1.78)
SHIELD 1	SHIELD 3					SHIELD 4					
—	1.4 (3.56)	0.7 (1.78)									
<p>NOTES:</p> <ol style="list-style-type: none"> ALL VALUES SPECIFIED ASSUME THE MISCELLANEOUS CABINET IS EQUIPPED WITH ONE WP91652 INVERTER ONE 14Q RECORDED ANNOUNCEMENT UNIT, ONE RESISTOR PANEL, ONE OFFICE ALARM UNIT (OAU) AND ONE DIAL TONE DELAY ALARM PANEL. MISCELLANEOUS CABINETS ARE NUMBERED SEQUENTIALLY STARTING WITH 00. THE SWITCH OWNER WILL NEED TO PROVIDE 10/100 BASET ETHERNET ACCESS AT THE TIME OF INSTALLATION. 											

ASM = ADMINISTRATIVE SERVICE MODULE (ED5D839-30)
RTCD = Real Time Call Detail (ED5D838-30)

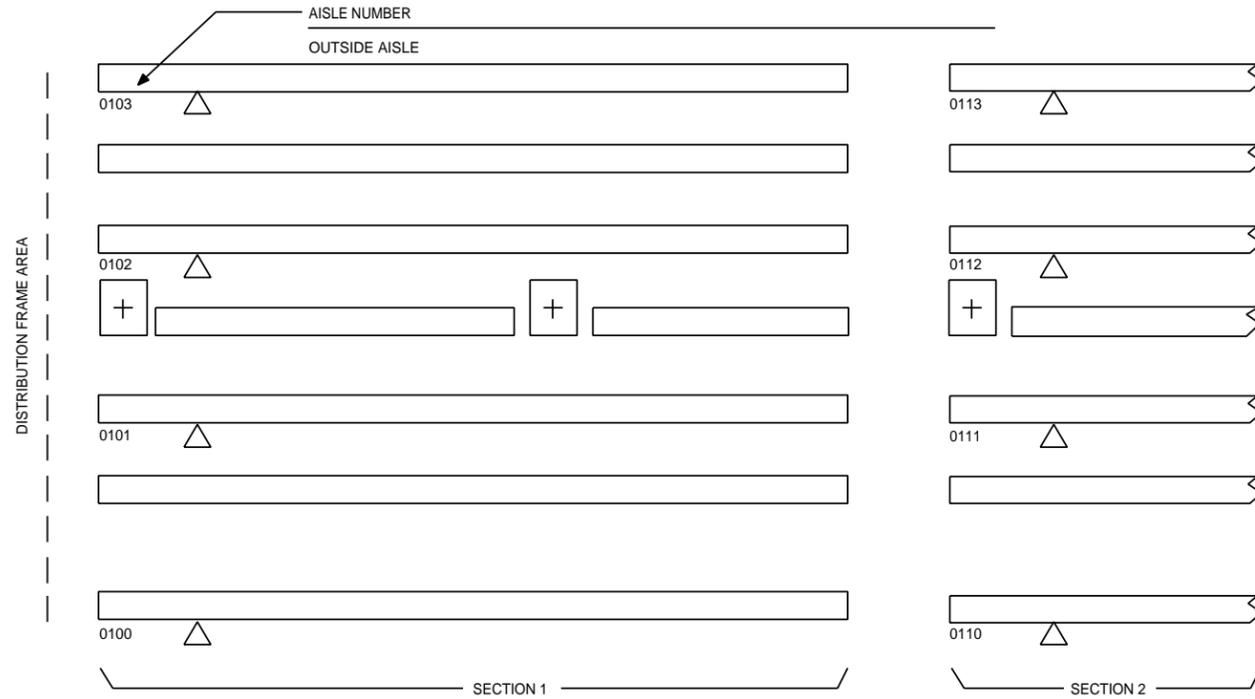
LUCENT TECHNOLOGIES INC. - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS		
FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7
LUCENT TECHNOLOGIES, INC.	SD-5D001-02	SHEET B25D

AS-3

AISLE NUMBERING

NOTES:

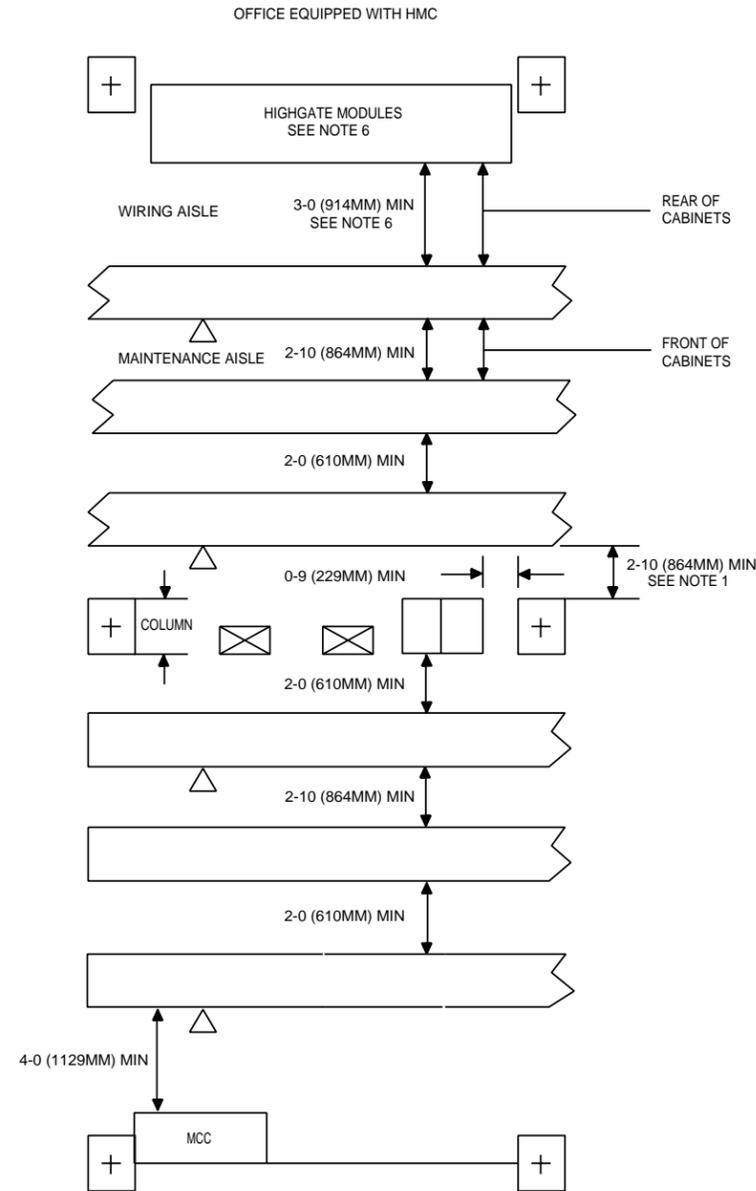
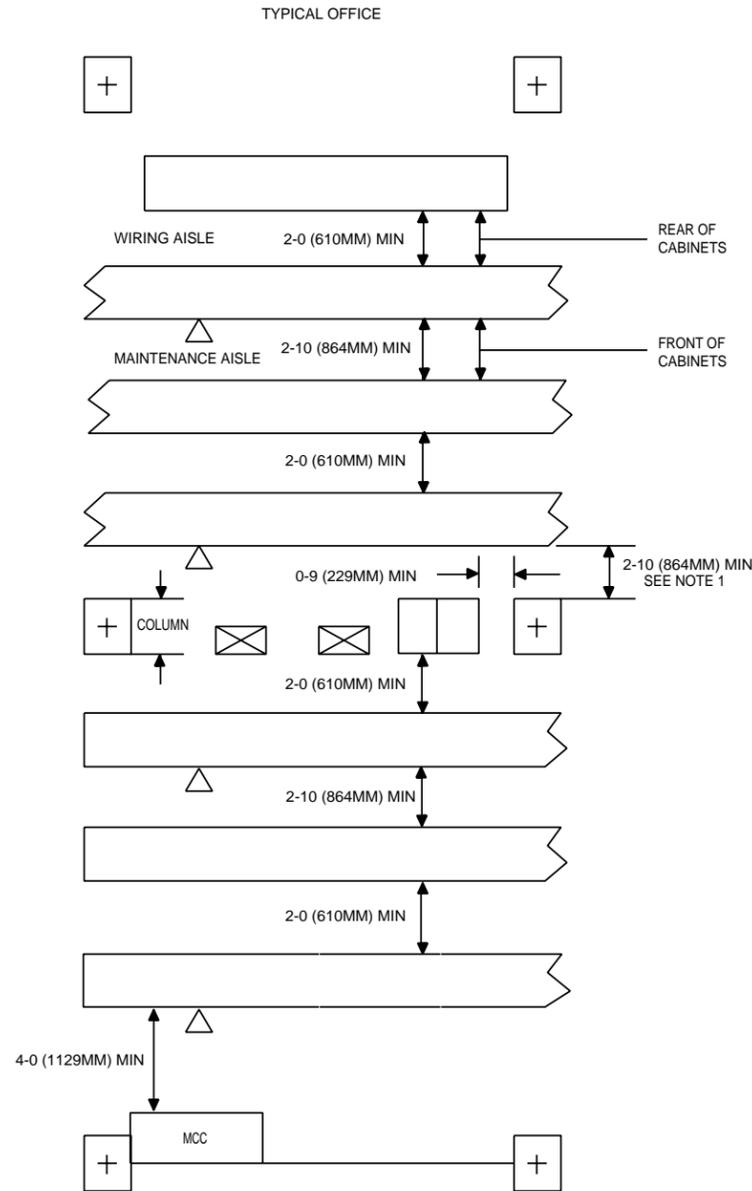
1. THE FIRST TWO DIGITS OF THE AISLE NUMBER REPRESENT THE FLOOR NUMBER. THE SECOND TWO DIGITS OF THE AISLE NUMBER REPRESENTS THE MAINTENANCE AISLE.
2. FLOOR NUMBERING 0A,0B, ETC. INDICATING LOWER LEVELS AND 01,02, ETC. REPRESENTS THOSE FLOORS ABOVE THE BASEMENT.
3. MAINTENANCE AISLES ARE NUMBERED FROM 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.



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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AS-4

AISLE SPACING



NOTES:

- IN GENERAL, A UNIFORM SPACING OF AISLES, WIRING MINIMUM 2-0 (610MM) AND A MAINTENANCE 2-10 (864MM) 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 2-10 (864MM) AISLE AFTER DOOR INSTALLATION IS CONSIDERED THE MINIMUM SPACE REQUIRED FOR INSTALLATION OF 5ESS CABINETS.
 - A MINIMUM AISLE OF 4-0 (1129MM) 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 MINIMUM GAP OR SPACING OF 2 INCHES (51MM) SHOULD BE MAINTAINED BETWEEN EQUIPMENT ON ESS GROUND AND EQUIPMENT ON BUILDING GROUNDS.
 - WHEN COLUMN SPACING VARIES FROM THE STANDARD 20-0 (6100MM), 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 (914MM) IS RECOMMENDED IN GENERAL, A MINIMUM OF 4-0 (1219MM) IS REQUIRED BETWEEN 5ESS AND ALL OTHER FRAMEWORKS. THE FOLLOWING RECOMMENDED EXCEPTIONS MAY BE MADE TO MEET SPECIFIC APPLICATION REQUIREMENTS:
 - MINIMUM 2-0 (610MM)
 - 5ESS EQUIPMENT IN 6FT. HIGH CABINETS
 - CARRIER EQUIPMENT
 - CUSTOMER PREMISE EQUIPMENT
 - STEP BY STEP
 - NO. 5 CROSS BAR
 - POWER EQUIPMENT
 - OTHER ESS
 - A MINIMUM AISLE SPACING OF 3-0 (914MM), 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.
- CAUTION: MINIMUM MAINTENANCE, WIRING AISLES, OSHA AND LOCAL REQUIREMENTS MAY NOT BE VIOLATED.
- MINIMUM 7FT. FROM MICROWAVE RADIO/WAVE GUIDE. SEE REFERENCE TO ED5D805-10 UNDER ENGINEERING NOTE "PROXIMITY GROUNDING" FOR GUIDANCE.

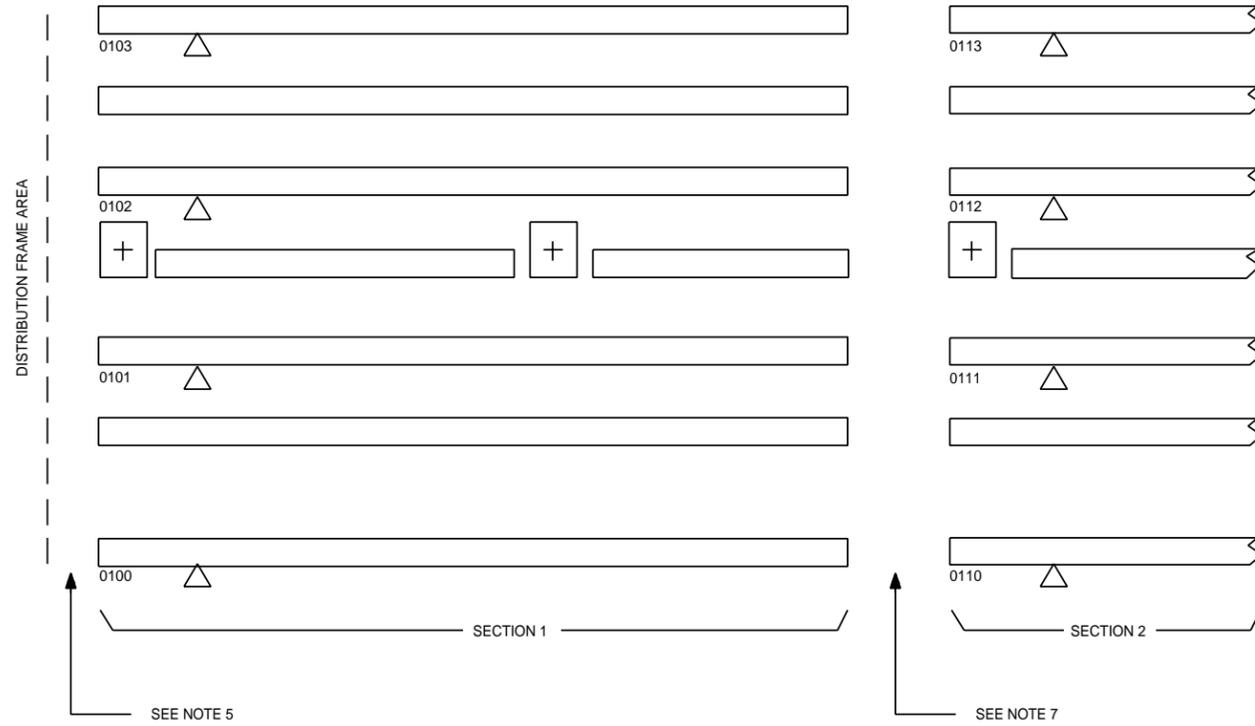
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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AS-4

AISLE SPACING

NOTES: (CONT):

- 7. 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
	C2	6M
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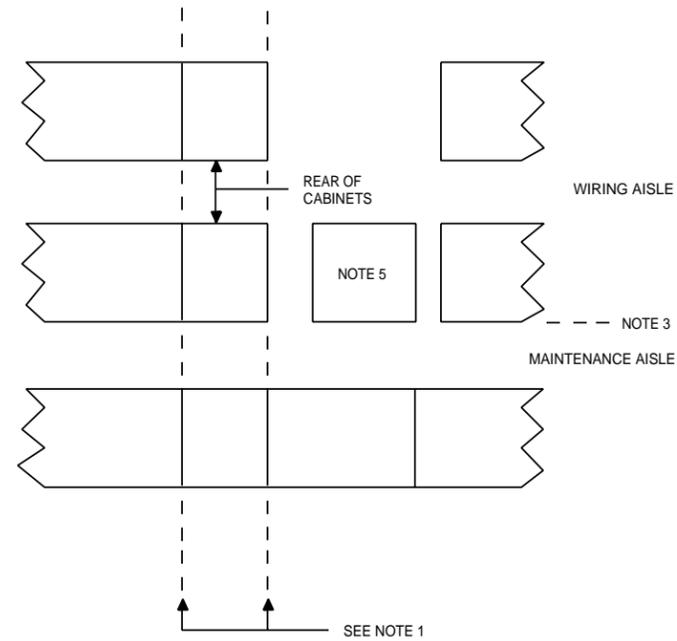
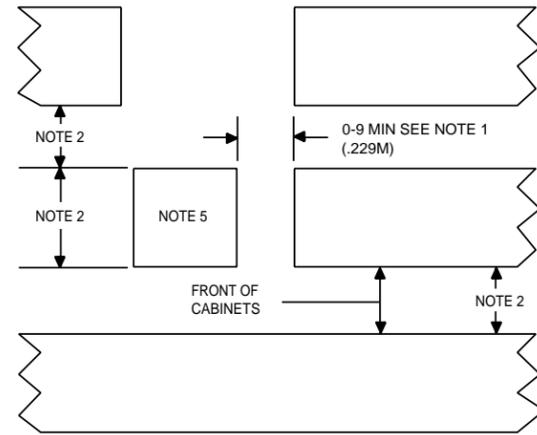
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AS-5

COLUMNS AND COLUMN SPACING

NOTES:

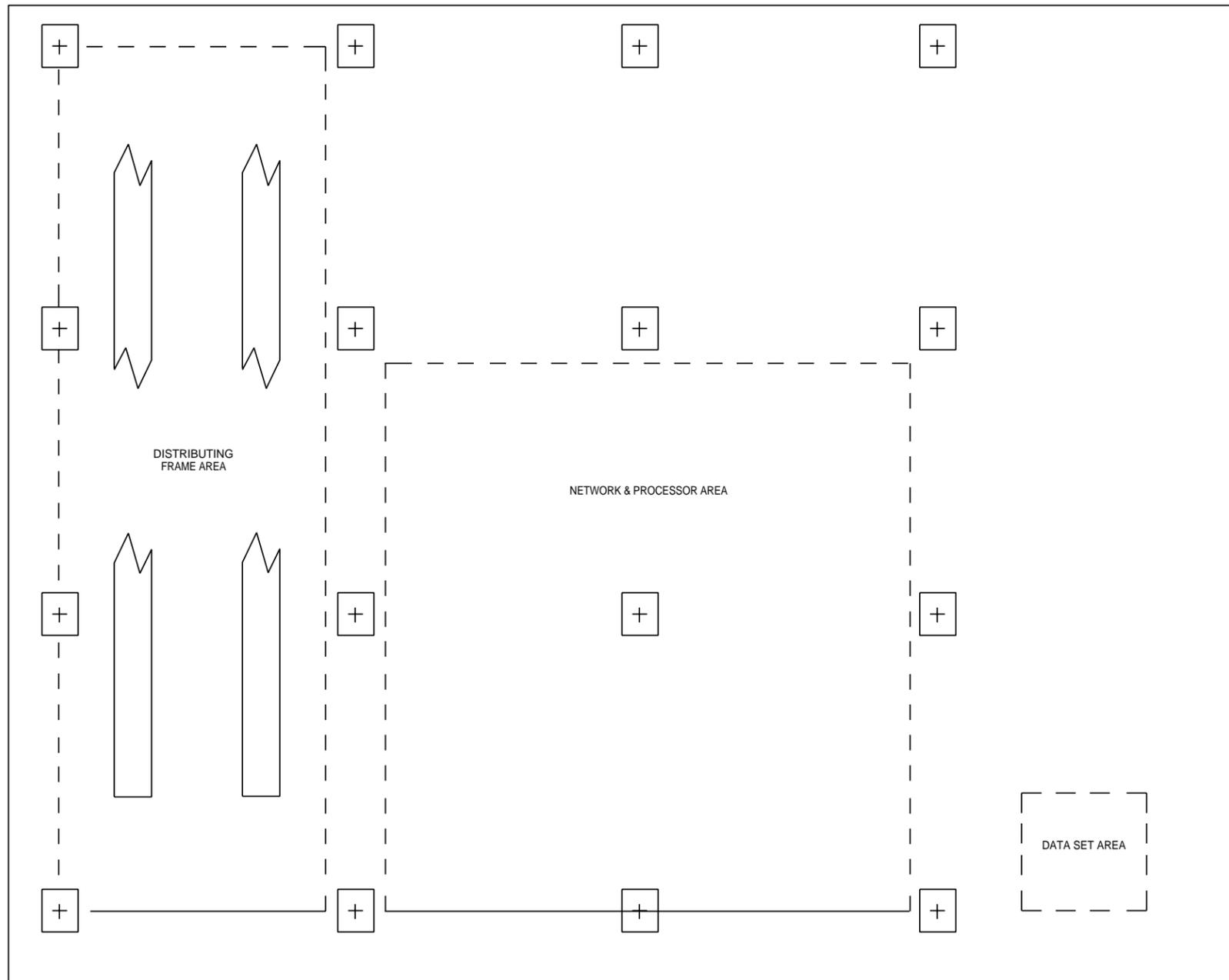
- CABINETS IN THE COLUMN LINE SHOULD BE AT LEAST 9 INCHES (.229M) FROM THE COLUMN. THIS 9 INCH (.229M) DIMENSION IS NOT TO BE USED AS STARTING POINT FOR LOCATING CABINETS AS CABINETS LOCATED BETWEEN COLUMNS MUST BE ALIGNED WITH THE CABINETS IN THE ADJACENT LINEUPS THROUGHOUT THE OFFICE IN ORDER TO ACCOMMODATE CROSS-AISLE CABLE RACKS AND CABINET SUPPORTED LIGHTING.
- 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.
- THE REFERENCE MARK SHOWN INDICATES THAT THE LOCATION OF EQUIPMENT LINEUPS IS REFERENCED TO THAT FACE OF THE COLUMN.
- 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.
- 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.
- 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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FLOORPLAN DATA	DWG SIZE	ISSUE
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P/O AS-6

TYPICAL FLOORPLANS
TYPICAL FUNCTIONAL AREAS



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FLOORPLAN DATA

DWG SIZE	ISSUE
C2	6M

Lucent Technologies, Inc.

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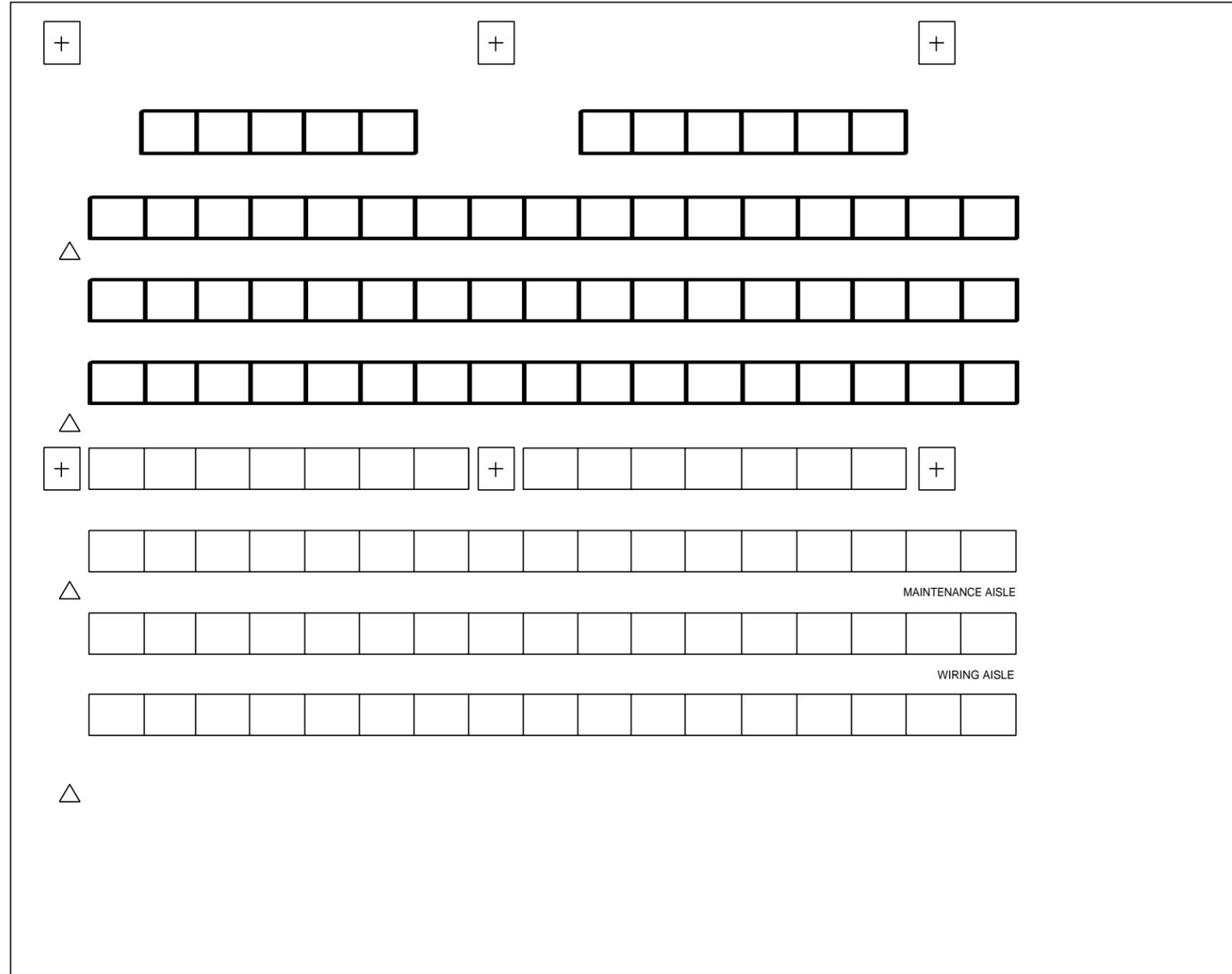
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P/O AS-6

TYPICAL FLOORPLANS
MIXING OF 5ESS[®] SWITCH CABINETS AND
5ESS-2000 SWITCH CABINETS

NOTES:

1. WHEN EQUIPPING 5ESS-2000 SWITCH CABINETS (600MM DEEP) IN AN OFFICE ALREADY EQUIPPED WITH 5ESS SWITCH CABINETS (21" DEEP), THE 5ESS-2000 SWITCH CABINETS MUST BE EQUIPPED IN A NEW LINE-UP SINCE THE 5ESS-2000 SWITCH CABINETS AND 5ESS SWITCH CABINETS CAN NOT BE EQUIPPED IN THE SAME LINE-UP.
2. FOR INFORMATION CONCERNING FLOORPLANS WHICH UTILIZE THE 5ESS SWITCH CABINET, REFERENCE SD5D001-01.

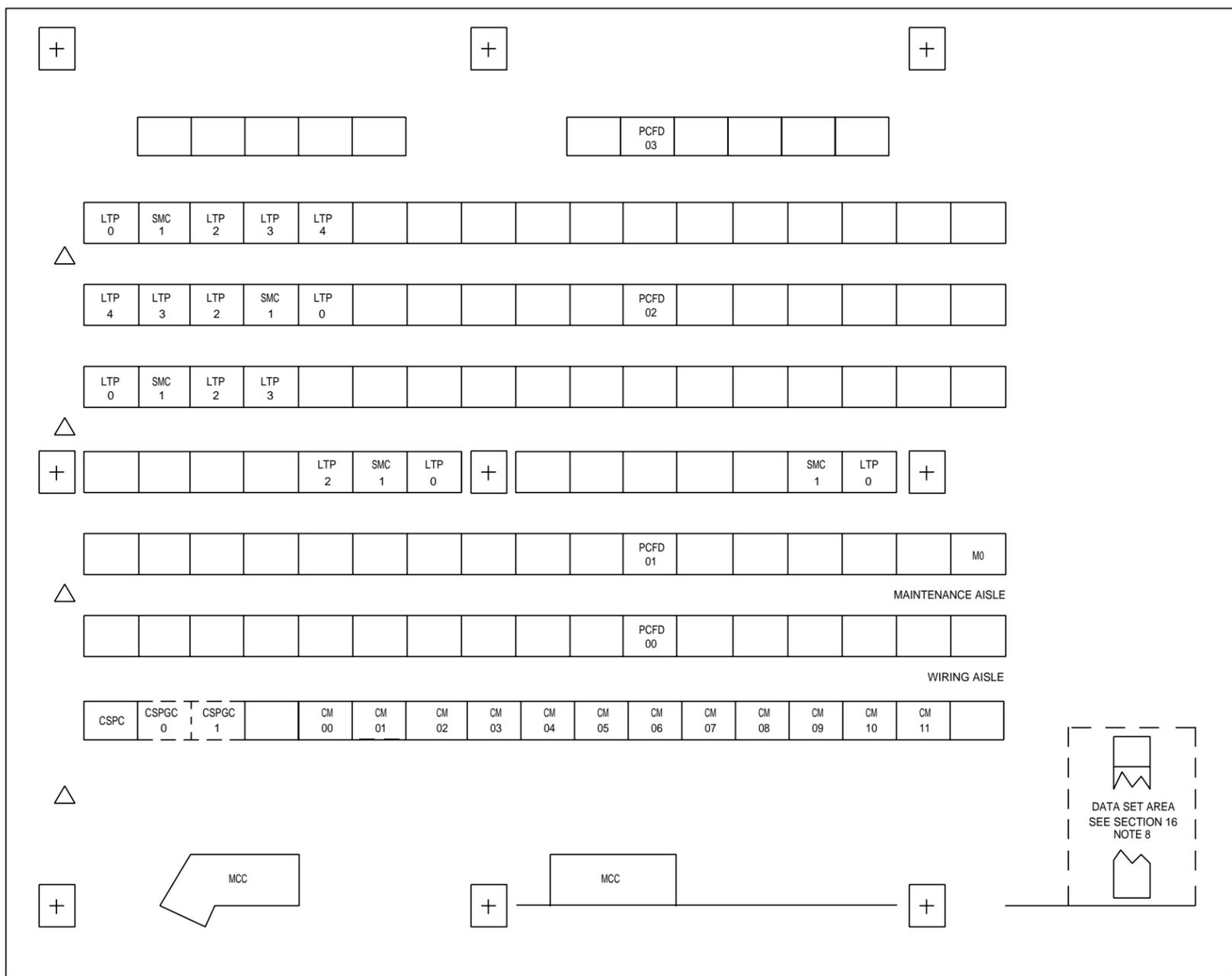


(-) = 5ESS SWITCH CABINETS
(+) = 5ESS-2000 SWITCH CABINETS

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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TYPICAL FLOORPLANS FOR
MULTIMODULE SM APPLICATIONS



- NOTES:
- THE TYPICAL FLOORPLAN CAN BE USED FOR TOLL OFFICES AND OSPS APPLICATIONS BY EQUIPPING ANY OF THE VACATED CABINET LOCATIONS SHOWN IN THE TYPICAL FLOORPLAN WITH THE FOLLOWING CABINETS
- | APPLICATION | EQUIP CABINETS |
|-------------------|----------------|
| TOOL OFFICES | DFA, RNC |
| OSPS APPLICATIONS | OPCDS, RISLU |
- IN OSPS APPLICATIONS, IT IS RECOMMENDED THAT THE RISLU CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.
 - IN TOLL OFFICE APPLICATIONS, IT IS RECOMMENDED THAT THE RNC AND DFA CABINETS BE LOCATED ADJACENT TO ONE ANOTHER

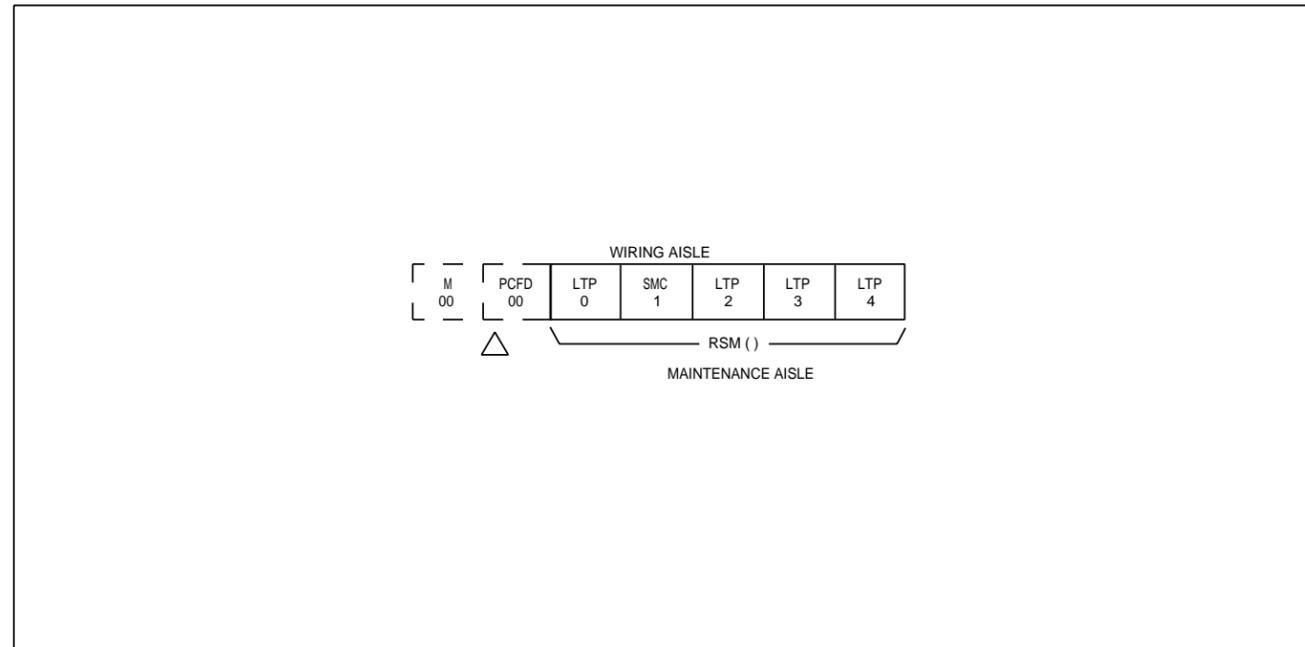
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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TYPICAL FLOORPLANS FOR SM APPLICATIONS
TRM/ORM APPLICATION

NOTES:

1. A MISCELLANEOUS CABINET OR A POWER DISTRIBUTION CABINET MAY BE REQUIRED TO PROVIDE POWER DISTRIBUTION TO THE SM.
2. TRM/ORM APPLICATIONS MAY NOT UTILIZE THE SM-2000 PLATFORM



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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0 1 2 3 4 5 6 7 8 9

P/O AS-6

TYPICAL FLOORPLANS FOR SM APPLICATIONS
RSM APPLICATION

NOTES:

1. RSM APPLICATIONS MAY NOT UTILIZE THE SM-2000 PLATFORM.

A

B

C

D

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A

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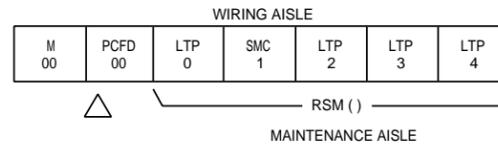
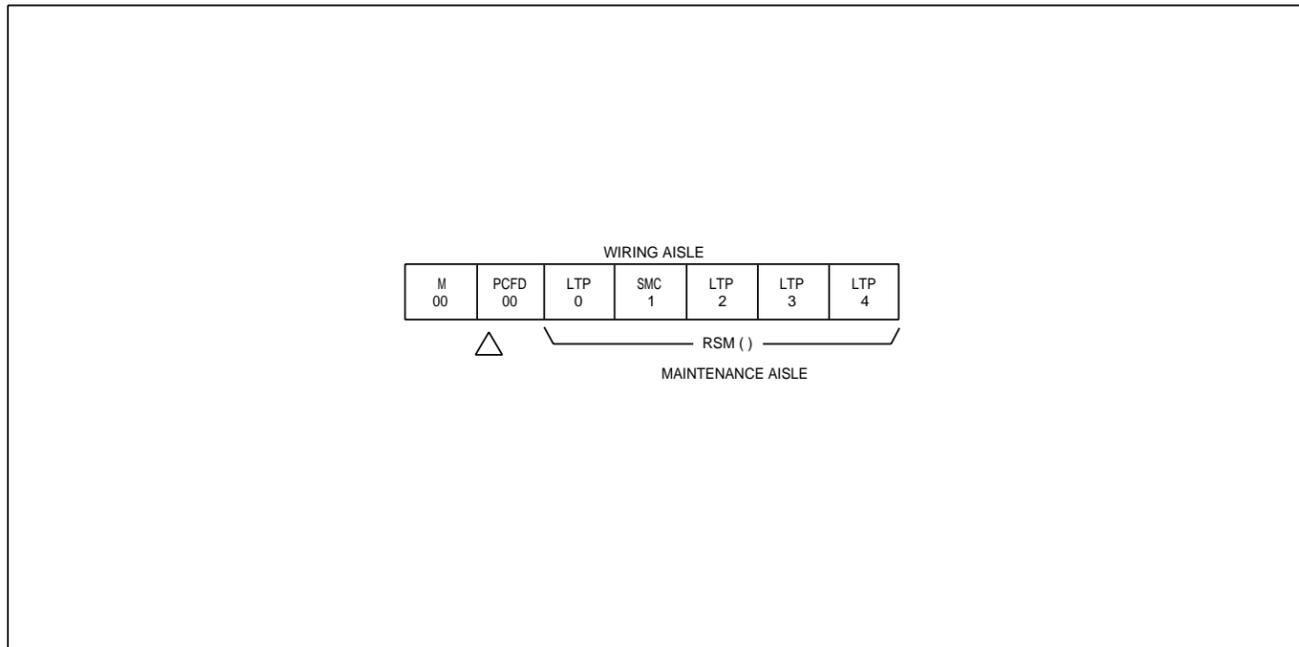
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
Lucent Technologies, Inc.	SD-5D001-02	SHEET B34

0 1 2 3 4 5 6 7 8 9

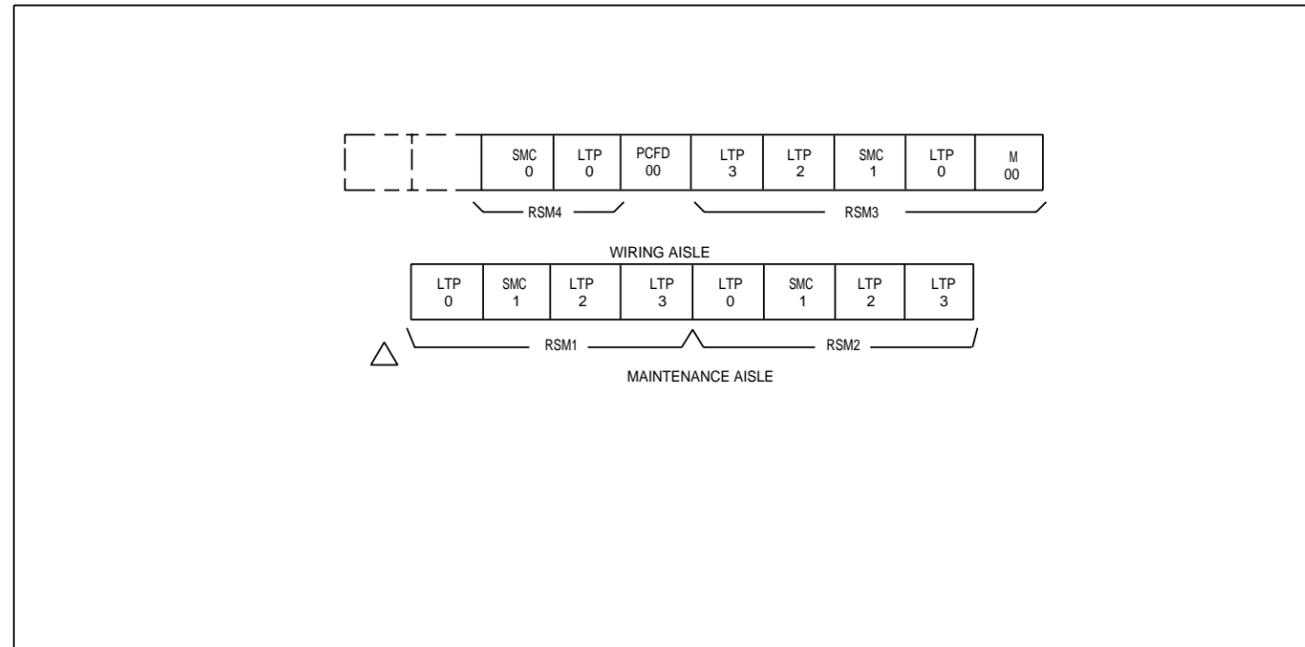
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P/O AS-6

TYPICAL FLOORPLANS FOR SM APPLICATIONS
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.
3. MULTIMODULE RSM APPLICATIONS MAY NOT UTILIZE THE SM2000 PLATFORM.



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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PO/ AS-2

5ESS® SWITCHING SYSTEM FLOORPLAN DATA
 TYPICAL FLOORPLANS FOR MIXING MULTIMODULE
 SM AND SM2000

NOTES:

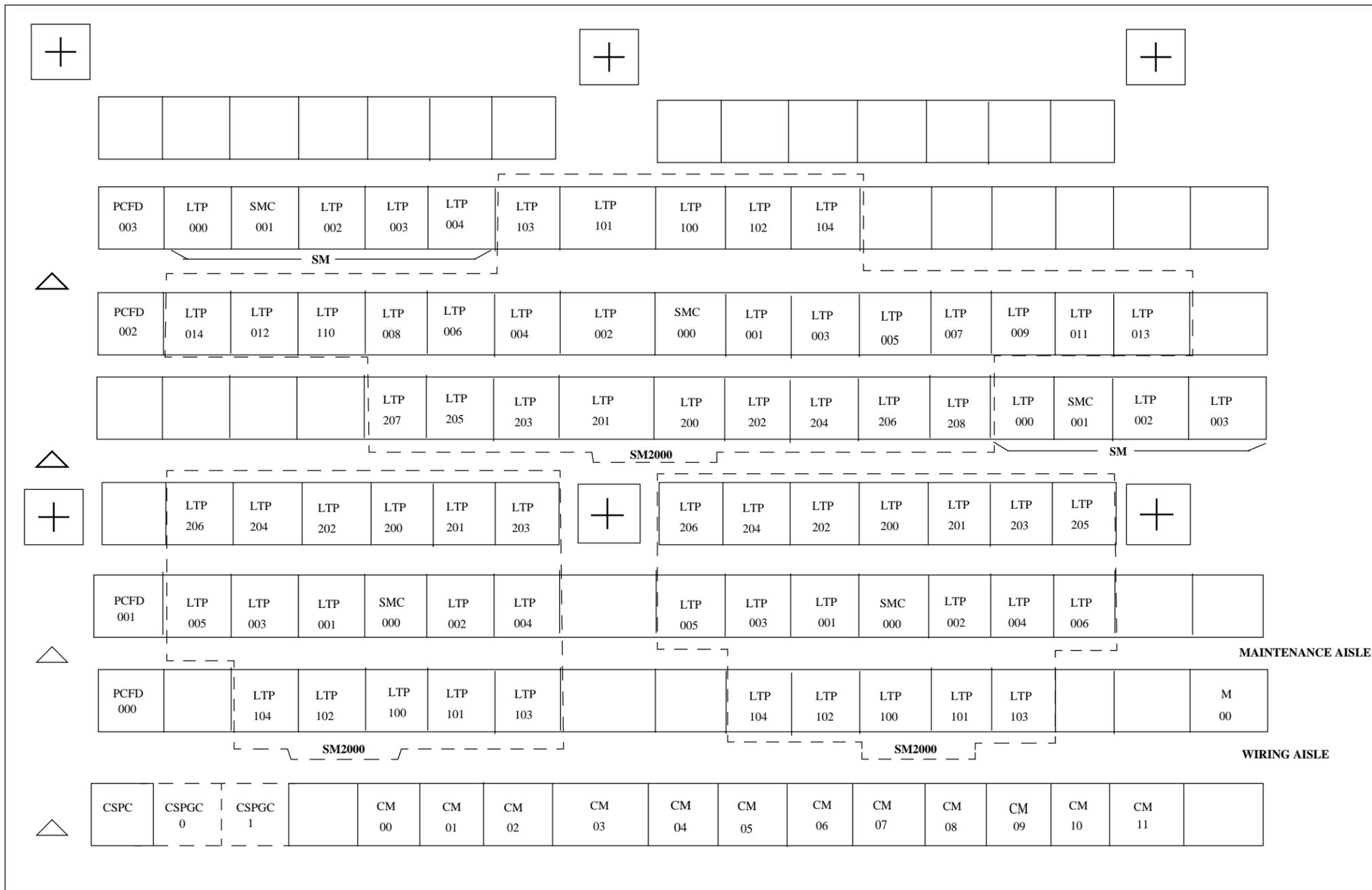
1. THE TYPICAL FLOORPLAN CAN BE USED FOR TOLL OFFICES AND OSPS APPLICATIONS BY EQUIPPING ANY OF THE VACATED CABINET LOCATIONS SHOWN IN THE TYPICAL FLOORPLAN WITH THE FOLLOWING CABINETS

<u>APPLICATION</u>	<u>EQUIP CABINETS</u>
TOOL OFFICES OSPS APPLICATIONS	DFA, RNC OPCDS, RISLU

2. IN OSPS APPLICATIONS, IT IS RECOMMENDED THAT THE RISLU CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.
3. IN TOLL OFFICE APPLICATIONS, IT IS RECOMMENDED THAT THE RNC AND DFA CABINET BE LOCATED ADJACENT TO ONE ANOTHER.

4. "△" INDICATES FRONT OR MAINTENANCE SIDE OF LINE - UP.

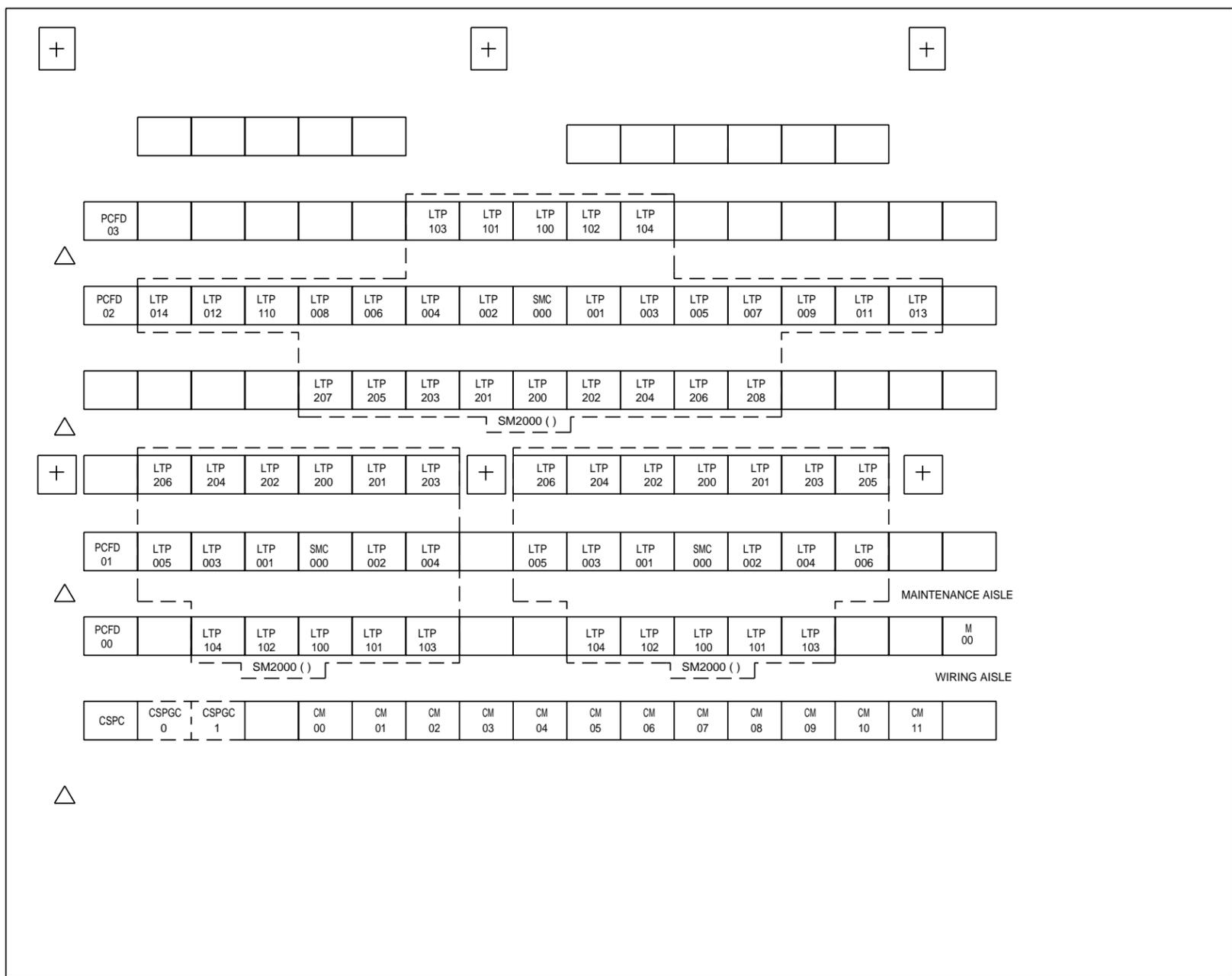
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	7
LUCENT TECHNOLOGIES, INC.	SD5D001-02	SHEET B36

P/O AS-6

TYPICAL FLOORPLAN (A)
FOR SM2000

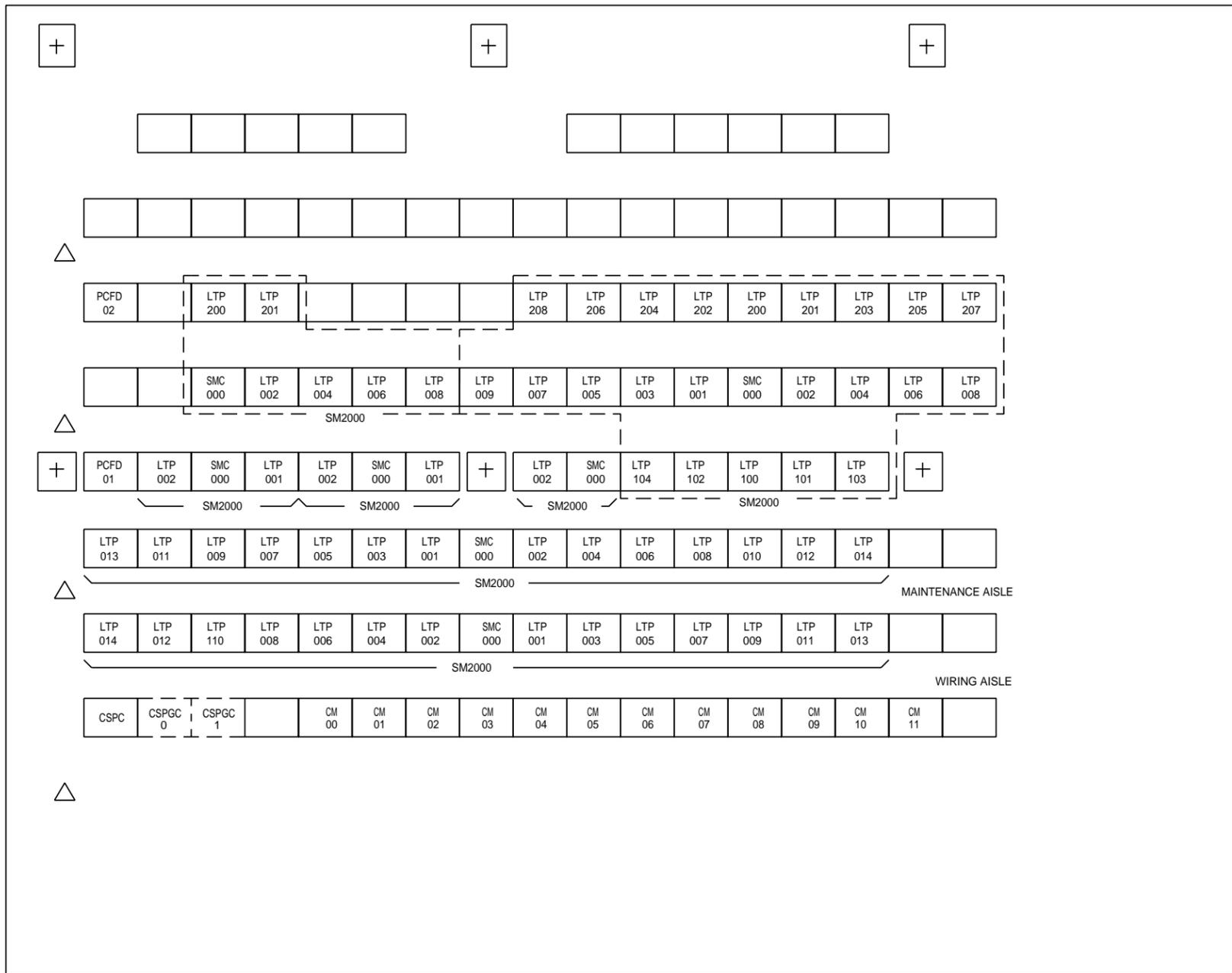


- NOTES:
- THE TYPICAL FLOORPLAN CAN BE USED FOR TOLL OFFICES AND OSPS APPLICATIONS BY EQUIPPING ANY OF THE VACATED CABINET LOCATIONS SHOWN IN THE TYPICAL FLOORPLAN WITH THE FOLLOWING CABINETS
- | APPLICATION | EQUIP CABINETS |
|------------------|----------------|
| TOOL OFFICES | DFA, RNC |
| OSPS APPLICATION | OPCDS, RISLU |
- IN OSPS APPLICATIONS, IT IS RECOMMENDED THAT THE RISLU CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.
 - IN TOLL OFFICE APPLICATION, IT IS RECOMMENDED THAT THE RNC AND DFA CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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TYPICAL FLOORPLAN (B)
FOR SM2000



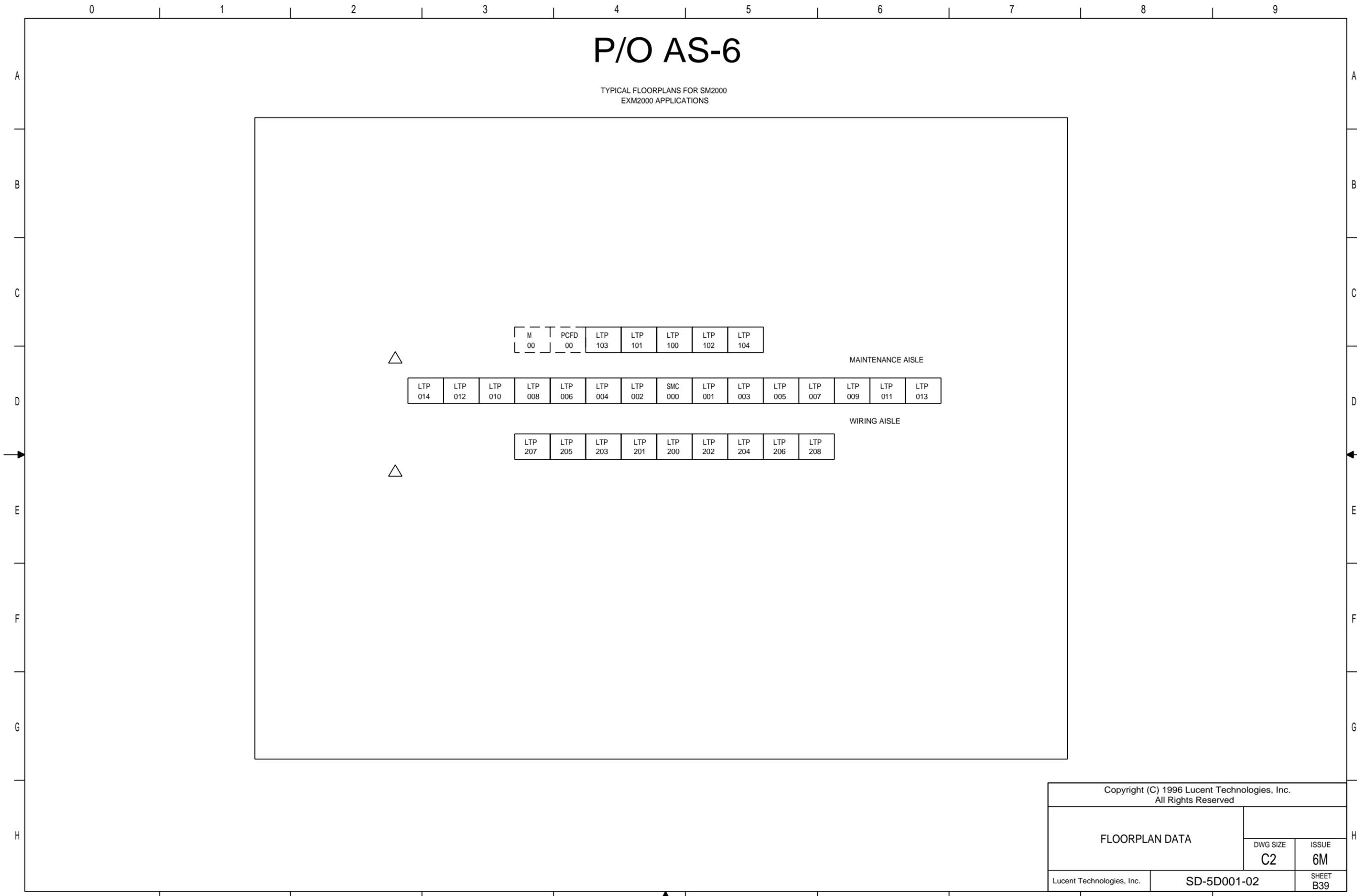
- NOTES:
1. THE TYPICAL FLOORPLAN CAN BE USED FOR TOLL OFFICES AND OSPS APPLICATIONS BY EQUIPPING ANY OF THE VACATED CABINET LOCATIONS SHOWN IN THE TYPICAL FLOORPLAN WITH THE FOLLOWING CABINETS

APPLICATION	EQUIP CABINETS
TOOL OFFICES	DFA, RNC
OSPS APPLICATIONS	OPCDS, RISLU
 2. IN OSPS APPLICATIONS, IT IS RECOMMENDED THAT THE RISLU CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.
 3. IN TOLL OFFICE APPLICATIONS, IT IS RECOMMENDED THAT THE RNC AND DFA CABINETS BE LOCATED ADJACENT TO ONE ANOTHER.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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TYPICAL FLOORPLANS FOR SM2000
EXM2000 APPLICATIONS



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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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A

B

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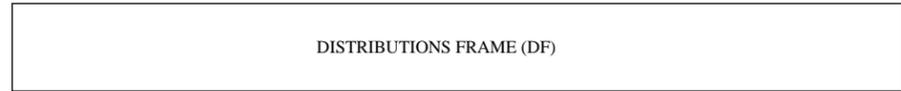
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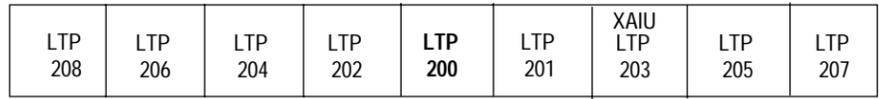
H

- NOTE:
1. THE XAIU CAN BE LOCATED UP TO 2000 CABLE FEET FROM THE SMC-2000 AS OPPOSED TO THE 28 CABLE FEET LIMIT PIDBs AND PICBs.
 2. XAIU WILL RESIDE IN A LTP CABINET.
 3. A XAIU LTP CABINET CAN BE EQUIPPED WITH A MAXIMUM OF (6) AIU UNITS.
 4. A XAIU LTP CABINET CAN **NOT** HAVE A MIX OF STANDARD AIUs OR EAIU UNITS ASSOCIATED WITH XAIU SUPPORTED AIU's.
 5. "xxx", "yyy" AND "zzz" DEFNOTE A SM NUMBER.

EXAMPLE OF XAIU FOR SM2000 Footprint



SMxxx



Wiring (Rear) Aisle



SMxxx

Equipment (Front) Aisle

XAIU = MultipleX Access Interface Unit

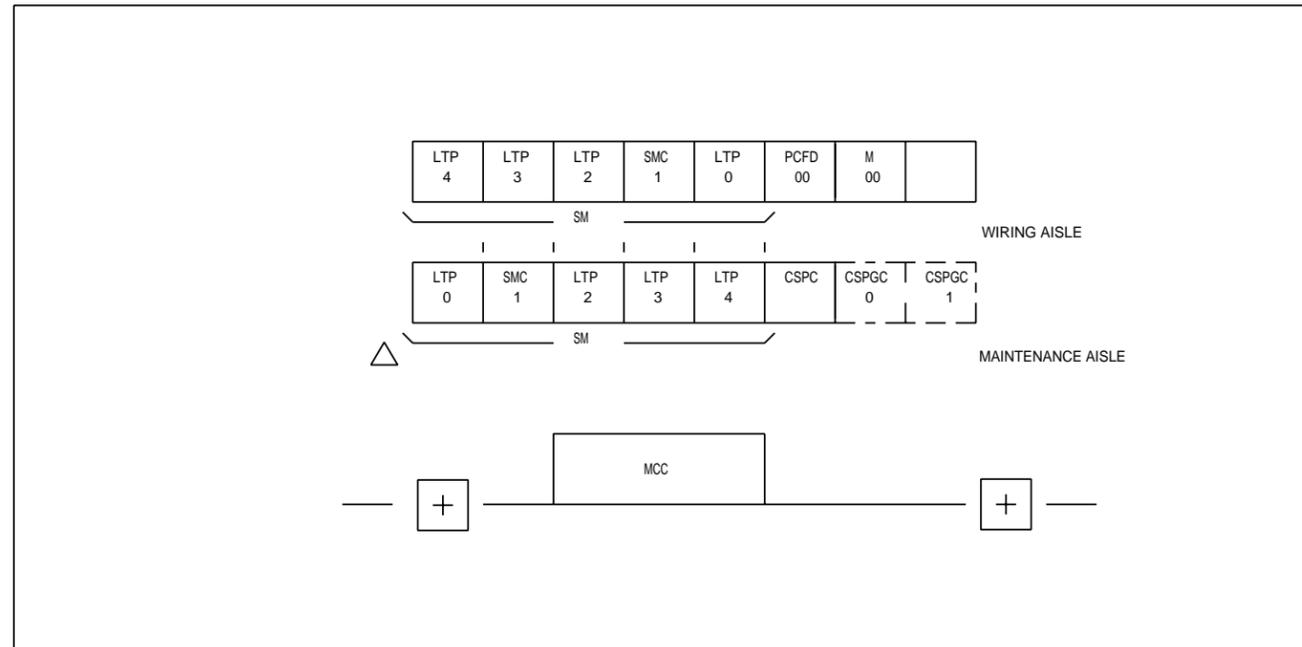
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FLOORPLAN DATA		
DWG SIZE	ISSUE	
C2	8	
Lucent Technologies	SD5D001-02	SHEET B39A

P/O AS-6

FLOORPLAN FOR THE
5ESS-2000 SWITCH E/W CM2C AND
EQUIPPED WITH TWO SM s

NOTES:

1. THE CABINET CONTAINING THE COMMUNICATION MODULE 2 COMPACT UNIT (CM2C) MUST BE LOCATED ADJACENT TO AND TO THE LEFT OF THE 3B21D PROCESSOR CABINET (CSPC) AS VIEWED FROM THE MAINTENANCE AISLE.
2. THE CM2C CAN BE LOCATED IN EITHER A LTP CABINET OR A SMC CABINET.
3. THE 5ESS-2000 SWITCH E/W CM2C CAN BE CONFIGURED WITH THE FOLLOWING SWITCHING MODULE HARDWARE:
 - 1 SM
 - 2 SM s
 - 1 SM2000
 - 1 SM2000 AND 1 SM
4. IN 5ESS-2000 SWITCH E/W CM2C APPLICATIONS IN WHICH A SM2000 IS EQUIPPED, THE CM2C MUST BE LOCATED WITHIN THE SM2000.



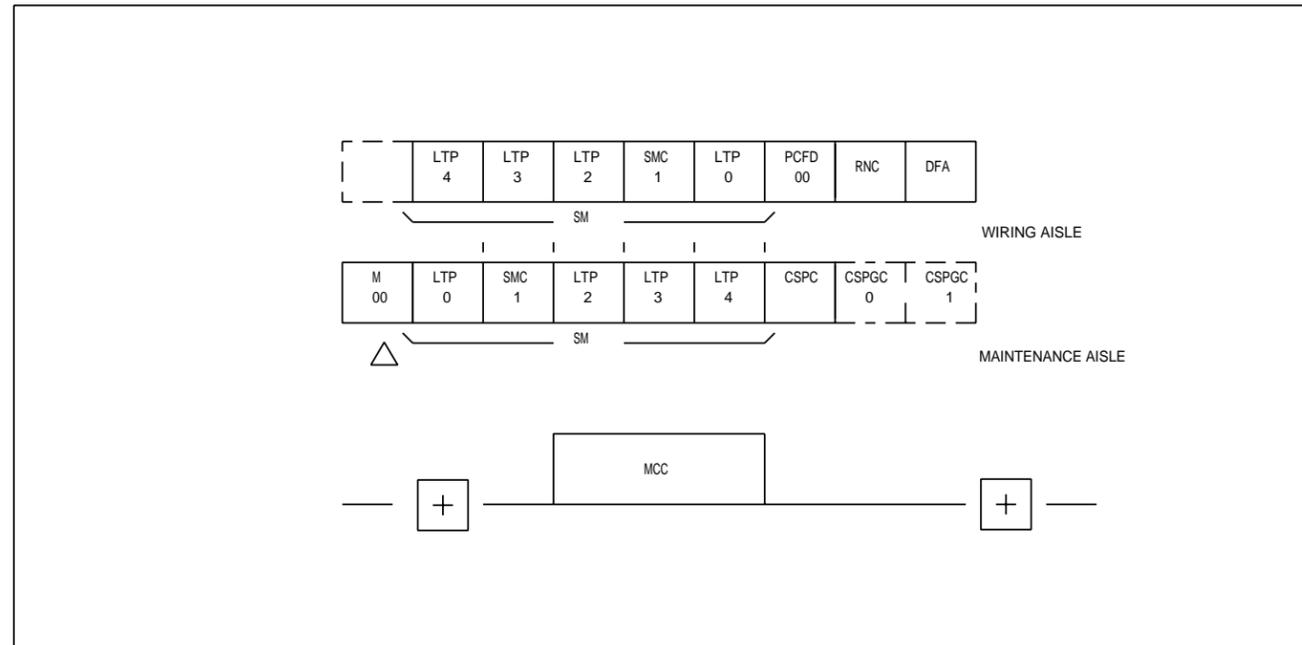
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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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FLOORPLAN FOR THE
5ESS-2000 SWITCH E/W CM2C AND
EQUIPPED WITH TWO SM's
AND CNI HARDWARE

NOTES:

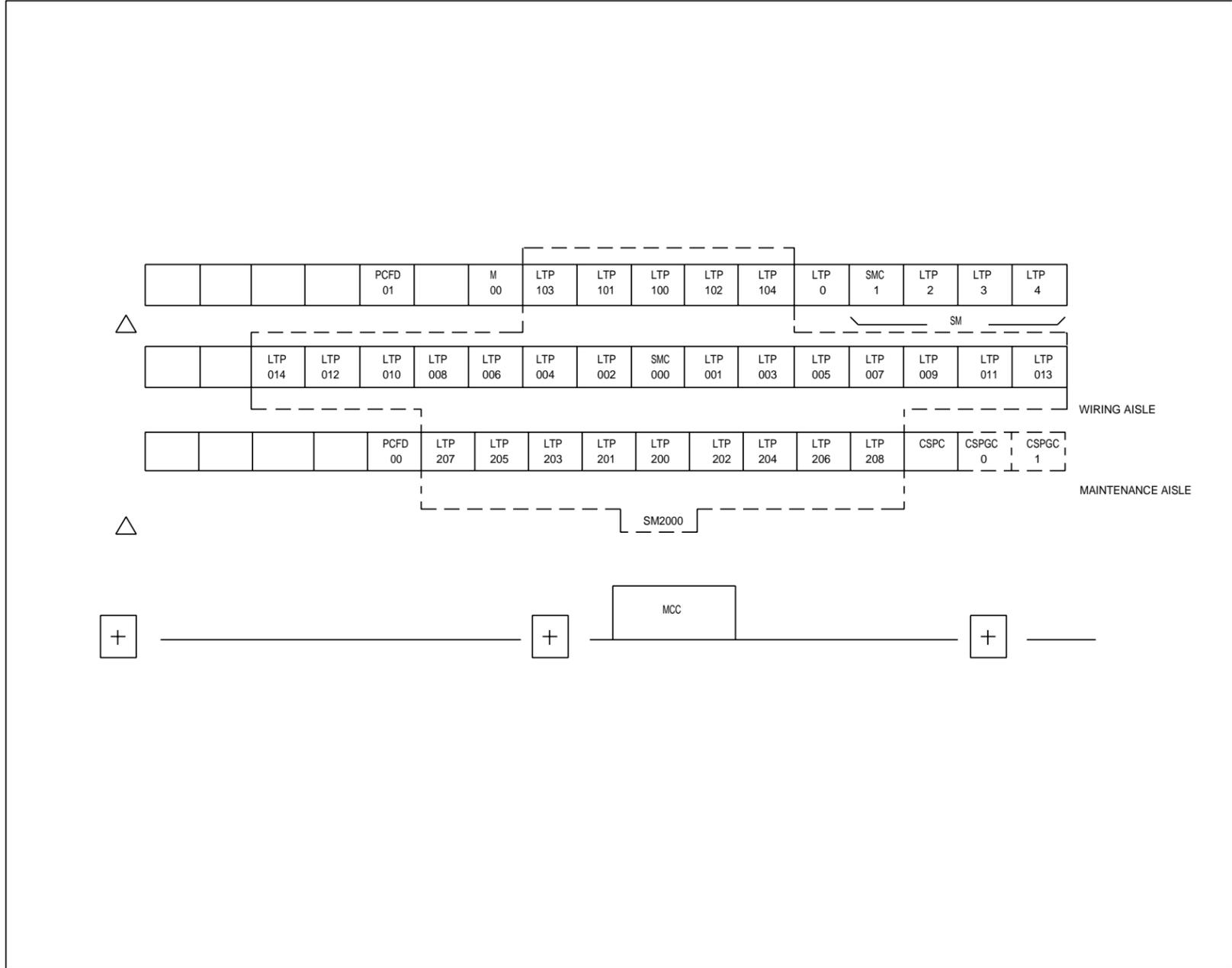
1. THE CABINET CONTAINING THE COMMUNICATION MODULE 2 COMPACT UNIT (CM2C) MUST BE LOCATED ADJACENT TO AND TO THE LEFT OF THE 3B21D PROCESSOR CABINET (CSPC) AS VIEWED FROM THE MAINTENANCE AISLE.
2. THE CM2C CAN BE LOCATED IN EITHER A LTP CABINET OR A SMC CABINET.
3. THE 5ESS-2000 SWITCH E/W CM2C CAN BE CONFIGURED WITH THE FOLLOWING SWITCHING MODULE HARDWARE:
 - 1 SM
 - 2 SM's
 - 1 SM2000
 - 1 SM2000 AND 1 SM
4. IN 5ESS-2000 SWITCH E/W CM2C APPLICATIONS IN WHICH A SM2000 IS EQUIPPED, THE CM2C MUST BE LOCATED WITHIN THE SM2000.
5. THE CNI HARDWARE IS COMPOSED OF THE RNC AND DFA CABINETS.



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	C2	6M
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FLOORPLAN FOR THE
5ESS-2000 SWITCH E/W CM2C AND
EQUIPPED WITH ONE SM2000 AND ONE SM



- NOTES:
1. THE CABINET CONTAINING THE COMMUNICATION MODULE 2 COMPACT UNIT (CM2C) MUST BE LOCATED ADJACENT TO AND TO THE LEFT OF THE 3B21D PROCESSOR CABINET (CSPC) AS VIEWED FROM THE MAINTENANCE AISLE.
 2. THE CM2C CAN BE LOCATED IN EITHER A LTP CABINET OR A SMC CABINET.
 3. THE 5ESS-2000 SWITCH E/W CM2C CAN BE CONFIGURED WITH THE FOLLOWING SWITCHING MODULE HARDWARE:
 - 1 SM
 - 2 SM s
 - 1 SM2000
 - 1 SM2000 AND 1 SM
 4. IN 5ESS-2000 SWITCH E/W CM2C APPLICATIONS IN WHICH A SM2000 IS EQUIPPED, THE CM2C MUST BE LOCATED WITHIN THE SM2000.
 5. THIS FLOORPLAN CAN BE USED IN INTERNATIONAL APPLICATIONS OF A 5EE6 SOFTWARE RELEASE OR LATER.

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

102.

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

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FLOORPLAN DATA	DWG SIZE	ISSUE
	C2	6M
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EQUIPMENT NOTES:

- 201. FLOOR LOADING FOR 5ESS[®] 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 CABLES DO 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 () CABINET.
- 205. WEIGHTS GIVEN IN THE TABLE ARE FOR CABINETS ONLY. WEIGHT OF ASSOCIATED CABLING, 600 MM 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[®] EQUIPMENT.
- 206. ALL DIMENSIONS ARE SHOWN IN FEET-INCHES AND IN METERS ().
- 207. FOR 5ESS[®] 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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