Oracle[®] Communications Diameter Signaling Router

Roadmap to Hardware Documentation 910-6721-001 Revision B

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Oracle[®] Communications Roadmap to Hardware Documentation

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Chapter **1**

Roadmap

Topics:

- *Introduction.....*6
- *General Descriptions and Hardware Features.....*6
- User Operations LEDs.....7
- FRU Procedures.....8
- Diameter Signaling Router (DSR) Platform Configuration.....9

Introduction

Note: Viewing the user online documentation requires Internet access. For the most current user documentation, always reference the latest manufacturer online documentation.

Not all components, features, or documents referenced in this aid may be installed or used. For any questions related to available components or hardware features, contact your Sales representative. For assistance with the content of the referenced user documentation or help with procedures, contact the Tekelec Customer Care Center.

General Descriptions and Hardware Features

This category directs you to the manufacturer online documentation that provides general descriptions of equipment including hardware features available.

Note: Not all features presented in the manufacturer documentation may be supported by this configuration. Contact the Customer Care Center for additional information.

- *HP BladeSystem c-Class architecture technology brief* provides a general explanation of c-Class architecture and describes how the components within BladeSystem c-Class work together.
- Important Safety Information For Server, Storage, Power, Networking, and Rack Products contains important safety information concerning Server, Storage, Power, Networking, and Rack Products.
- The *HP Intelligent Rack Family User Guide* provides additional installation information for the HP642 series cabinet.
- *HP ProLiant Intel-based 300-series G6 and G7 servers* describes the key technologies implemented in Intel-based HP ProLiant 300-series G6 and G7 servers.
- Technologies in the HP BladeSystem c7000 Enclosure describes the HP BladeSystem c7000 Enclosure.
- *HP ProLiant BL460c G6 Server Blade User Guide* describes the ProLiant BL460c blade server.
- HP ProLiant BL460c Gen8 Server Blade User Guide describes the ProLiant BL460c Gen8 blade server.
- *HP ProLiant BL620c G7 Server Blade User Guide* describes the ProLiant BL620c blade server.
- *HP ProLiant DL360 G6 Server User Guide* describes the HP ProLiant DL360 G6 Server system features and components.
- *HP ProLiant DL360p Gen8 Server User Guide* describes the HP ProLiant DL360p Gen8 Server system features and components.
- *HP ProLiant DL380 G6 Server User Guide* describes the HP ProLiant DL380 G6 Server system features and components.
- *HP ProLiant DL380p Gen8 Server User Guide* describes the HP ProLiant DL380p Gen8 Server system features and components.
- *Cisco Catalyst Blade Switch 3020 for HP Hardware Installation Guide* describes the Catalyst 3020 switch, as well as system features and components.
- *ProCurve Series 6120 Blade Switches Installation and Getting Started Guide* describes the HP ProCurve 6120XG switch, as well as system features and components.
- *Catalyst 4900 Series Switch Installation Guide* describes the Cisco Catalyst 4900 series switches, as well as system features and components.
- *Catalyst 4948E and Catalyst 4948E-F Switch Installation Guide* describes the Cisco Catalyst 4849E and 4948E-F switches, as well as system features and components.

DSR Documentation Roadmap

- *1Gb Ethernet Pass-Thru Module* describes the 1Gb Ethernet Pass-Thru Module.
- *Telect* 125*A* 8-Position Demarcation panel ±24V/-48V describes the Telect 125A 8-Position Demarcation panel, ±24V/-48V
- Telect 150A Dual-feed 4/4 TPA/GMT, -48V describes the Telect 150A Dual-feed 4/4 TPA/GMT, -48V.
- *HP 252663 Modular Power Distribution Unit with Extension Bars* describes the AC Power Distribution Unit.

User Operations - LEDs

This category directs you to specific sections of the manufacturer online doumentation on LED indicators for the specified equipment.



Warning: Customers do not perform installation procedures; these procedures are performed by authorized personnel. Contact the Customer Care Center for assistance with any procedure.



Warning: Performing any procedure not authorized or approved by Oracle may void any or all Oracle warranties. Contact the Customer Care Center for assistance with any procedure.

WARNING

- Information describing LED functions of the 3020 switch can be found in this document: *Cisco Catalyst Blade Switch 3020 for HP Hardware Installation Guide*.
- The LED functions of the Cisco Catalyst 4900 Series Switch can be found in this document: *Catalyst 4900 Series Switch Installation Guide*.
- The LED functions of the Cisco Catalyst 4948E-F Switch can be found in this document: *Catalyst 4948E and Catalyst 4948E-F Switch Installation Guide*.
- The LED functions of the HP ProCurve 6120XG switch can be found in this document: *ProCurve Series* 6120 *Blade Switches Installation and Getting Started Guide*.
- *HP ProLiant DL360 G6 Server User Guide* provides information describing LED functions of the DL 360 G6 server.
- *HP ProLiant DL360p Gen8 Server User Guide* provides information describing LED functions of the DL 360p Gen8 server.
- *HP ProLiant DL380 G6 Server User Guide* provides information describing LED functions of the DL 380 G6 server.
- *Hp ProLiant DL380 Gen8 Server User Guide* provides information describing LED functions of the DL 380p Gen8 server.
- See the *HP ProLiant BL460c G6 Server Blade User Guide* for information describing LED functions of the BL460c G6 server.
- See the *HP ProLiant BL460c Gen8 Server Blade User Guide* for information describing LED functions of the BL460c Gen8 server.
- See *Telect 100A 4-Position Demarcation Circuit Breaker panel* for information describing the Telect 100A 4-Position Demarcation DC Power Distribution Panel LEDs.
- See *Telect 100A Dual-feed 4/4 TPA/GMT, -48V* for information describing the Telect 100A Dual-feed DC Power Distribution Panel LEDs.

FRU Procedures



Caution: The procedures presented are for informational purposes only. Contact Tekelec Customer Care Center for replacement of any FRUs.

FRU Procedures Performed By Customer

The following are FRU procedures customers may be authorized to perform. Contact the Tekelec Customer Care Center for assistance with any procedure.



Warning: Performing any procedure not authorized or approved by Tekelec may void any or all Tekelec warranties.

WARNING

- Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL360 G6 Server Maintenance and Service Guide
- Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL380 G6 Server Maintenance and Service Guide
- Hot-plug power supply removal and replacement of the HP ProLiant DL360 G6 Server Maintenance and Service Guide
- Hot-plug power supply removal and replacement of the HP ProLiant DL380 G6 Server Maintenance and Service Guide
- Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL360p Gen8 Server Maintenance and Service Guide
- Hot-plug SAS hard drive removal and replacement of the HP ProLiant DL380p Gen8 Server Maintenance and Service Guide
- Hot-plug power supply removal and replacement of the HP ProLiant DL360p Gen8 Server Maintenance and Service Guide
- Hot-plug power supply removal and replacement of the HP ProLiant DL380p Gen8 Server Maintenance and Service Guide

FRU Procedures Performed By Tekelec Personnel

The following are cabinet-level FRU procedures only performed by authorized Tekelec personnel.



Warning: Customers do not perform these procedures; these procedures are performed by Tekelec authorized personnel.



Warning: Performing any procedure not authorized or approved by Tekelec may void any or all Tekelec warranties.

• To remove the ProLiant DL360 G6 Server from the rack, use *HP ProLiant DL360 G6 Server Maintenance and Service Guide*.

DSR Documentation Roadmap

- To remove the ProLiant DL380 G6 Server from the rack, use *HP ProLiant DL380 G6 Server Maintenance and Service Guide*.
- To remove the ProLiant DL360 Gen8 Server from the rack, use of *HP ProLiant DL360 Gen8 Server Maintenance and Service Guide*.
- To remove the ProLiant DL380 G8 Server from the rack, use *HP ProLiant DL380 Gen8 Server Maintenance and Service Guide*.
- To remove the Catalyst 4900 Series Switch from the rack, use *Catalyst 4900 Series Switch Installation Guide*.
- To remove the AC Power Distribution Unit (*HP 252663-D72 or 252663-B31 Modular Power Distribution Unit*)
 - To remove the AC PDU extension bar (*Extension Bars, HP 252663-D72 or 252663-B31 Modular Power Distribution Unit*)

Diameter Signaling Router (DSR) Platform Configuration

Cabinet configurations are specific to customer requirements. All hardware components listed in *General Descriptions and Hardware Features* may not be shown in the example configurations presented. You must refer to your customer order for exact configuration and rack line-up.

Refer to *General Descriptions and Hardware Features* for the components that may be installed in an Diameter Signaling Router (DSR) c-Class cabinet.

Examples of possible cabinet configuration and component placement are presented here.

- Figure 1: Example of an AC cabinet with Cisco 4948-4948E
- Figure 2: Example of an AC Co-Mingled cabinet with Cisco 4948E-F
- *Figure 3: Example of a DC cabinet with Cisco 4948-4948E*
- Figure 4: Example of a DC Co-Mingled cabinet with Cisco 4948E-F

			U	1	Eagle	XG o (Class C	abinet	(Max	config)							
			42	Aggre	gation	Switd	h 4948/	(4948E	- Fille	грапе	l front				Switch B (rear mounted)			
			41	Aggre	gation	Swit d	h 4948	/49486	- Fille	грапе	l fro <u>nt</u>				Switch A (rear mounted)			
			40	6		OPE	EN - FIL	LER PA	NEL		1				support bracket 804-2971-G01			
			39	1		OPE	en - Fil	LER PA	NEL									
			38	G6-	DL360	- MGN	TServ	er1-8	05-054	14-G03/	-G07		ManagementServer					
22			37	G6-	DL360	- MGN	TServ	er 2-8	05-054	14-G03,	-G07				ManagementServer			
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			32	1	2	3	4	5	6	7	8				(oxen3)805-0540-602			
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8	192		29	(cxen3-bay8) BLADE	(coen3-bay10) BLADE	(coen3-bay11) BLADE	(coen3-bay12) BLADE	(coen3-bay13) BLADE	(coen3-bay14) BLADE	(coen3-bay15) BLADE	(coen3-bay16) BLADE			L	BL 460C Gen8 - 805-0596-xx			
27-1			28	8	8	8	8	8	8	8	8		1	L				
3.0		BAR	27	9	10	11	12	13	14	15	16	Æ		J				
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-210			21	6 6	ଳ ଜ	6	Ŧ	6	(9)			7	Bay 1 - Bay 16 use either:					
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aure			13	8	8	8	8	8	8	8	8				1st Initial c7000 en dosure			
50			12	1	2	3	4	5	6	7	8			-la	(ccen1)805-0540-G02			
Add enclosure 1 (UFU-U16), enclosure 2 (U17-U26) and enclosure 3 (U27-U36). Max 3			11	6	(j	£	12)	13)	((2)	(9)			2	Bay 1 - Bay 16 use either:			
\$			10	(cxen3-bay8) BLADE	(coen3-bay10) BLADE	(coen3-bay11) BLADE	(coen3-bay12) BLADE	(coen3-bay13) BLADE	(coen3-bay14) BLADE	(coen3-bay15) BLADE	(coen3-bay16) BLADE				BL 460C 66 - 805-0539-xx			
			9	BLA	BL ^a	BL ⁶	en3-	BL ^e	BLA BLA	BL ⁶	en3-				BL 460C Gen8 - 805-0596-xx			
			8	8	8	8	8	8	8	8	8							
			7	9	10	11	12	13	14	15	16	i.		1				
			6				PD	UC2					10					
			5	1			PD	U C1										
			4				PD	UB2										
3 PDU B1																		
			2	3			PDU	J A2										
			1	3			PDU	J A1										
				-						-		1						

Figure 1: Example of an AC cabinet with Cisco 4948-4948E

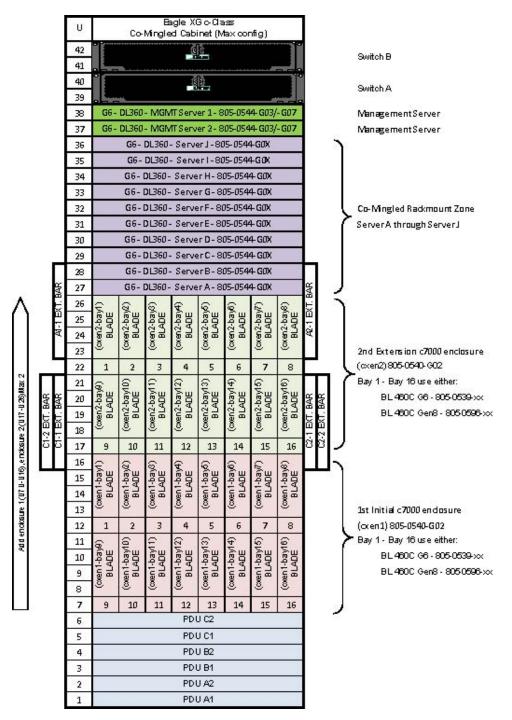


Figure 2: Example of an AC Co-Mingled cabinet with Cisco 4948E-F

U		Eagle	XG c-C	lass C	abinet	(Max	config)	
44		TEL	ECT 4/	4 PAN	EL (805	5-0197-	R01)		PDP A
43		TEL	ECT 4/	4 PAN	EL (805	5-0197-	R01)		PDP B
42			OPE	N - FIL	LER P/	ANEL		_	Bracket (U42)
41	TEL	ECTHO	DEMA	RCATIO	on pan	EL (805	5-0198-	R01)	PDP C
40	TEL	ECTHO	DEMA	RCATIO	on pan	EL (805	5-0198-	R01)	PDP D
39			OPE	N - FIL	LER P/	ANEL			
38	TEL	ЕСТ НО	DEMA	RCATIO	on pan	EL (805	5-0198-	R01)	PDP E
37	TEL	ЕСТ НО	DEMA	RCATIO	on pan	EL (805	5-0198-	R01)	PDP F
36			OPE	N - FIL	LER P/	ANEL			
35	Cisco	<mark>4948/4</mark>	948E A	ggrega	<mark>ition S</mark> v	vitch B			Switch B (rear mounted)*
34	<mark>Cisco</mark>	<mark>4948/4</mark>	948E A	ggrega	<mark>ition S</mark> v	vitch A			Switch A (rear mounted)*
33			OPE	N - FIL	LER P/	ANEL			Bracket (U33)
32			OPE	N - FIL	LER P/	ANEL			
31					MT Sei				Management Server 1
30			805-05	37-G06	6/805-0	609-01			
29			SERV	ER D 8	305-054	l5-Gxx			
28			SERV	ER C 8	305-054	l5-Gxx			Optional Rack Mount Servers
27					305-054				
26					305-054		_)
25		SE	ISMIC	BRAC	E (805-	0188-G	601)	_	
24						_8_			
23									
22									
21					_		_		
20	1	2	3	4	5	6	7	8	2nd Extension c7000 enclosure (CXEN2) (805-0541-G01)
19									
18 17									
17									
15	9	10	11	12	13	14	15	16	
13	3				E (805-			10	
13				DIVACI	_ (000-	0100-0			
12									
11									
10							▏▀▇▀	┝╾ <u>╸</u> ╸	
9	1	2	3	4	5	6	7	8	c7000 enclosure
8									(CXEN1) (805-0541-G01)
7									
6									
5									
4	9	10	11	12	13	14	15	16	IJ
3				OF	ΡΕΝ				-
2					LER P				DC Cable Management Area
1			OPE	N - FIL	LER P/	ANEL			0

Figure 3: Example of a DC cabinet with Cisco 4948-4948E

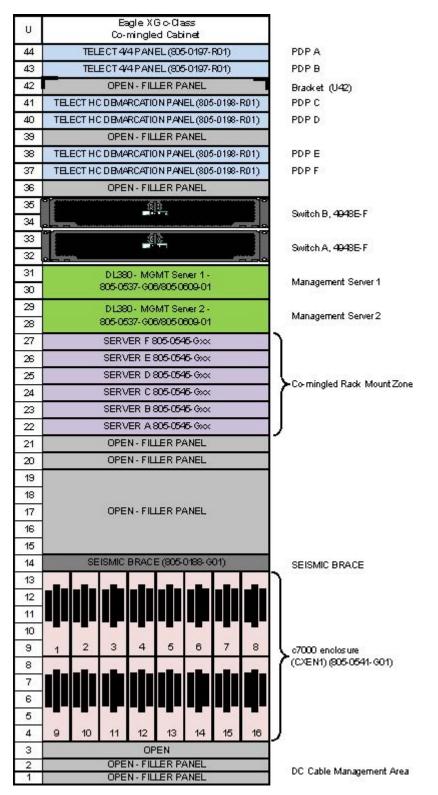


Figure 4: Example of a DC Co-Mingled cabinet with Cisco 4948E-F

• Figure 5: AC Cabinet with Cisco 4948E-F, (3) Enclosures, (1 DL380/2 DL360)

DSR Documentation Roadmap

- Figure 6: AC Cabinet with Cisco 4948E-F, (2) Enclosures, (6 DL380/12 DL360)
- Figure 7: AC Cabinet with Cisco 4948E-F, (1) Enclosures, (11 DL380/12 DL360)
- Figure 8: DC Cabinet; (2) Enclosures; (2) Switches; RMS
- Figure 9: DC Cabinet; (1) Enclosure; (2) Switches; RMS

	1	U			Cab	inet (M	ax Co	nfig)		_	
		42	1	SWITC	-	E SE	1				
		41		Swine	.nb						
		40		SWITC	HA		<u>)</u>				
		39									
		38	SERV	FR A - S	805-060	19.XX	SERVI	ER A (8	05-059	9-XX)	
		37	JENT	LINA		JA AA	SERV	ER B (8	05-059	9-XX)	
		36	y1)	y2)	¥3)	¥4)	y 4)	y 4)	EX.	y 8)	
		35	-pa	3-ba	3-ba	3-ba	3-ba	3-ba	3-ba	3-ba	
		34	(cxen3-bay1)	(cxen3-bay 2)	(cxen3-bay3)	(cxen3-bay 4)	xen	(cxen3-bay 4)	(cxen3-bay7)	xen	
		33					9		8	9	
		32	1	2	3	4	5	6	7	8	
		31	ar 9)	ay 10	ay 11	ay12	ay13	ay14	ay16	ay 16	
		30 29	3-b	3-b:	3-b	3-b:	3-b	3-b	3-b	3-bi	
I	~	29	(cxen3-bay9)	(cxen3-bay10) ~	(cxen3-bar/11)	(cxen3-bay12)	(cxen3-bay13) un (cxen3-bay4)	(cxen3-bay14) on	(cxen3-bay15)	(cxen3-bay16) cc (cxen3-bay8)	~
I	A1-4 EXT. BAR	27	9	10	11	12	13	14	15	16	B1-4 EXT. BAR
I	E.	26		2							E.
I	X	25	(cxen2-bay1)	(cxen2-bay2)	oay3	(cxen2-bay4)	(cxen2-bay5)	(cxen2-bay6)	(cxen2-bay7)	(cxen2-bay8)	X
I	4	24	n2-t	n2-t	n2-t	n2-t	n2-t	n2-t	n2-t	n2-t	4
I	A1	23	(cxe	(cxe	(cxen2-bay3)	(cxe	өхо)	(cxe	(cxe	(cxe	ā
Ì	œ	22	1	2	the second s	4	5	6	7	8	
I	A3-4 EXT. BAR	21	(6)	(cxen2-bay10)	(cxen2-bay11)	(cxen2-bay12)	(cxen2-bay13)	(cxen2-bay14) o	(cxen2-bay15)	(cxen2-bay16) co	B3-4 EXT. BAR
I	E	20	(cxen2-bay9)	(eq-	(eq-	ved-	ved-	-bay	ved-	(eq-	E
I	ш	19	en2	en2	en2	en2	en2	en2	en2	en2	ш
I	4	18									2
l	A	17	9	10	11	12	13	14	15	16	m
		16	1)	1Y2)	(E Å	1y4)	(94)	IY6)	(2 Å	1y8)	
		15	1-be	1-ba	1-ba	1-ba	1-b	1-b	-p	1-ba	
		14 13	(cxen1-bay1)	(cxen1-bay2)	t en	(cxen1-bay4)	nexe	(cxen1-bay6)	(cxen1-bay7)	nexen	
		12	1	2	0	4	5		7	0	
		12		6	(cxen1-bay11) (cxen1-bay3)		(cxen1-bay13) u (cxen1-bay5)	(cxen1-bay14) on		(cxen1-bay16) cx en1-bay8)	
	1	10	(cxen1-bay9)	(cxen1-bay10)	1 ve	(cxen1-bay12)	ay1	ay1	(cxen1-bay15)	ay1	
		9	n1-b	n1-b	n1-b	n1-b	n1-b	n1-b	n1-b	n1-b	
		8	(cxe	(cxe	(cxe	(cxe	exe)	exe)	(cxe	(cxe	
		7	9	10	11	12	13	14	15	16	
	1	6				PDU					
		5				PDU	A3				
		4				PDU	B2				
		3				PDU	A2				
		2				PDU					
		1				PDU	A1				

Figure 5: AC Cabinet with Cisco 4948E-F, (3) Enclosures, (1 DL380/ 2 DL360)

42 SWITCH B 41 40 SWITCH A 39 SERVER A (805-0399-XX) 38 SERVER A (805-0399-XX) 36 SERVER B (805-0399-XX) 36 SERVER B (805-0399-XX) 37 SERVER B (805-0399-XX) 38 SERVER C (805-0399-XX) 39 SERVER C (805-0399-XX) 31 SERVER C (805-0399-XX) 32 SERVER C (805-0399-XX) 32 SERVER C (805-0399-XX) 33 SERVER C (805-0399-XX) 34 SERVER C (805-0399-XX) 35 SERVER C (805-0399-XX) 30 SERVER F (805-0399-XX) 31 SERVER F (805-0399-XX) 32 SERVER F (805-0399-XX) 33 SERVER F (805-0399-XX) 34 SERVER I (805-0399-XX) 35 SERVER I (805-0399-XX) 36 SERVER I (805-0399-XX) 37 SERVER I (805-0399-XX) 38 SERVER I (805-0399-XX) 39 SERVER I (805-0399-XX) 30 SERVER I (805-0399-XX) <th></th> <th></th> <th>U</th> <th></th> <th></th> <th>Cab</th> <th></th> <th></th> <th></th> <th></th> <th></th>			U			Cab								
H H			42		SWITC		6	1						
39 SWITCHA Server 38 SERVER A - 805-0609-XX SERVER B (805-0599-XX) 36 SERVER B - 805-0609-XX SERVER C (805-0599-XX) 36 SERVER C - 805-0609-XX SERVER C (805-0599-XX) 31 SERVER C - 805-0609-XX SERVER C (805-0599-XX) 32 SERVER C - 805-0609-XX SERVER C (805-0599-XX) 33 SERVER C - 805-0609-XX SERVER C (805-0599-XX) 30 SERVER C - 805-0609-XX SERVER C (805-0599-XX) 30 SERVER F - 805-0609-XX SERVER I (805-0599-XX) 30 SERVER F - 805-0609-XX SERVER I (805-0599-XX) 31 SERVER F - 805-0609-XX SERVER I (805-0599-XX) 32 SERVER I (9, 60, 60, 67, 78, 60, 10, 60, 60, 67, 78, 60, 10, 60, 60, 67, 78, 60, 10, 60, 60, 67, 78, 60, 10, 60, 60, 67, 78, 60, 10, 60, 60, 72, 72, 72, 72, 72, 72, 72, 72, 72, 72			41											
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7 3-3 EXT.BAR 8 3-3 EXT.BAR 8 3-4 EXT.BAR 8 41-4 EXT 8 6 10 1 11 1		CC.	28	CEDI	-	005 060		SERV	ER K (8	05-059	9-XX)	CL.		
7 3-3 EXT.BAR 8 3-3 EXT.BAR 8 3-4 EXT.BAR 8 41-4 EXT 8 6 10 1 11 1		BA	27	SERV	ER F - C	505-000		SERV	ERL (8	05-059	9-XX)	BA		
A3-3 EXT.BAR A3-3 EXT.BAR A3-3 EXT.BAR A3-4 Ext.bay10 Corent-bay11 Corent-bay13 Corent-bay13 A111 Corent-bay13 Corent-bay14 A111 Corent-bay13 Corent-bay14 A111 Corent-bay15 Corent-b			26	÷	2)	(8)	(4)	(2)	(9)	(2)	(8)	E		
A3-3 EXT.BAR A3-3 EXT.BAR A3-3 EXT.BAR A3-4 Ext.bay10 Corent-bay11 Corent-bay13 Corent-bay13 A111 Corent-bay13 Corent-bay14 A111 Corent-bay13 Corent-bay14 A111 Corent-bay15 Corent-b		ŵ	25	-pa	-pa	-pa	-pa	-ba	-ba	-ba	-pa	ŵ		
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7 A3-3 EXT. BA 7 A3-4 EXT. BA 7 B 7 Cxent-bay1) 7 </td <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.00</td> <td>Ь</td> <td>1</td>					_							1.00	Ь	1
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10 11 12 12 1 1 13 1 1 14 1 15 1 16 (cxen1-bay1) 17 1 18 (cxen1-bay1) 19 1 11 (cxen1-bay1) 12 1 13 1 14 1 15 (cxen1-bay1) 16 (cxen1-bay1) 17 1 18 (cxen1-bay1) 19 (cxen1-bay1) 11 (cxen1-bay1) 11 (cxen1-bay1) 12 1 13 1 14 (cxen1-bay1) 15 (cxen1-bay1) 16 (cxen1-bay1) 17 (cxen1-bay1) 18 (cxen1-bay1) 19 (cxen1-bay1) 10 (cxen1-bay1) 11 (cxen1-bay1) 12 (cxen1-bay1) 13 (cxen1-bay1) 14 (cxen1-bay1) 15 (cxen1-bay1) 16 (cxen1-bay1) 17 (cxen1-bay1) 18 (cxen1-bay1) 19	00	-		ay9)	ay1(ay1	ay1:	ay1;	ay 1.	ay 1:	ay1(0	n.	
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16 11 11 12 12 12 12 12 12 12 12 12 12 12 12 13 14 13 12 12 13 14 13 12 13 14 15 14 13 12 13 14 13 14 15 16 11 10 12 13 14 15 14 13 14 15 16 11 10 13 14 15 15 16 11 10 11 12 13 14 15 16 16 11 10 12 13 14 15 15 16 16 10 <	A3-	A3-					_					B	'n	
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11 (0 (1 <td< td=""><td></td><td></td><td>13</td><td>(cx</td><td>(cx</td><td></td><td>(cx</td><td></td><td>(cx</td><td></td><td></td><td></td><td></td><td></td></td<>			13	(cx	(cx		(cx		(cx					
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8 3 5 3 5 5 5 7 9 10 11 12 13 14 15 16 6 PDU B3 5 PDU A3 4 PDU B2 3 PDU A2 2 PDU B1				(6A)	N10	111	N12	W13	N14	N15	N16			
8 3 5 3 5 5 5 7 9 10 11 12 13 14 15 16 6 PDU B3 5 PDU A3 4 PDU B2 3 PDU A2 2 PDU B1				1-ba	1-ba	1-ba	1-ba	1-be	1-ba	1-ba	1-ba			
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4 PDU B2 3 PDU A2 2 PDU B1														
3 PDU A2 2 PDU B1														
			3											
1 PDU A1		1	2				PDU	B1						
			1				PDU	A1						

Figure 6: AC Cabinet with Cisco 4948E-F, (2) Enclosures, (6 DL380/ 12 DL360)

	- 1	U		_		Č.						
		42	1	SWITC		inet (M					2	
		41		SWITC								
		40		SWITC	μл		0					
		39		Svviiic	n A							
		38	CEDV	-			SERV	ERA (8	05-059	9-XX)		
		37	SERV	EKA-	805-060	J9-XX	SERV	ER B (8	05-059	9-XX)		
		36	CEDV		005 050		SERV	ER C (8				
		35	SERV	EKB-a	805-060	/9-XX	SERV	ER D (8	05-059	9-XX)		
		34	CEDV		005.060		SERV	ER E (8	9-XX)			
		33	SERV	ERC-C	805-060	J3-77	SERV	ER F (8	05-059	9-XX)		
		32	SERV	EP D.	205-06	19.VV	SERV	ER G (8	05-059	9-XX)		
		31	SERV	SERVER D - 805-0609-XX				ER H (8	05-059	9-XX)		
		30	SERV		305-060		SERV	ER I (80	5-0599	9-XX)		
		29	SERV		505-000	J3-77	SERV	ER J (80	05-059	9-XX)		
	œ	28	SEDV	ED E. S	205.060	10.VV	SERV	ER K (8	05-059	9-XX)	Ľ	
	BAR	27	SERVER F - 805-0609-XX				SERV	ER L (80	05-059	9-XX)	BAR	
		26	SERVER G - 805-0609-XX				FILLER		E			
	μ	25	SERVI	EN G-G	00-000	JJ-77		FILLER	PANEL		Ш	
	A1-4 EXT	24	SERV	ER H .	305-060	19. 77		FILLER	PANEL		B1-4 EXT.	
	À	23	JENVI	LIXII-0	505-000	J-77		FILLER	PANEL		à	
R	Ω.	22	SERV	FRI- 8	05-060	9.77		FILLER	PANEL		R.	CC.
BAR	BAR	21	JENV	LINI-0	00-000			FILLER	BAR	B3-3 EXT. BAR		
E		20	SERV	FR L- 8	05-060	19-XX		FILLER			E	
ω	EXT	19	JENT	EN J-C	00-000	J-AA	-	FILLER		ш	Ш.	
A3-3 EXT	A3-4	18	SERV	ERK-S	05-060	19-XX		FILLER		B3-4 EXT	3	
A	A	17	JENV	LINK-C	00-000	15 MA		FILLER		ŭ	ŭ	
		16	E	(2)	(3)	(4)	(9)	(9)	E	(8)		
		15	(cxen1-bay1)	(cxen1-bay2)	(cxen1-bay3)	(cxen1-bay4)	(cxen1-bay5)	(cxen1-bay6)	(cxen1-bay7)	(cxen1-bay8)		
		14	en1	en1	en1	en1	en1	en1	en1	en1		
		13	(C)	(cx	(cx	(ex	(cx	(c)	(c)	(c)		
		12	1	2	3	4	5	6	7	8		
		11	(6/	en1-bay10)	en1-bay11)	en1-bay12)	en1-bay13)	en1-bay14)	en1-bay15)	en1-bay16)		
		10	en1-bay9)	-ba	eq-I	eq-	eq-	-ba	-ba	-ba		
		9	tent	tent	tent							
		8	(CX	(cx)	(cx)	(cx	(cx	(cx	(CX	(cx		
		7	9	10	11	12	13	14	15	16		
		6	PDU B3									
		5	PDU A3									
		4	PDU B2									
		3	PDU A2									
		2				PDU					5	
		1				PDU	A1			1		

Figure 7: AC Cabinet with Cisco 4948E-F, (1) Enclosures, (11 DL380/ 12 DL360)

U		_	Cab	inet (N	lax co	nfig)							
44	P	DP A -	TELEC	T 4/4 F	PANEL	(805-0	197-R0	1)					
43	PI	DP B -	TELEC	T 4/4 F	ANEL	(805-0	197-R0	1)					
42	OPEN - FILLER PANEL												
41	PDP C - TELECT HC DEMARCPANEL (805-0198-R01)												
40	PDP	PDP D - TELECT HC DEMARCPANEL (806-0198-R01)											
39	Г	OPEN - FILLER PANEL											
38	PDP	E - TEL	ECTH	DEMA	RCPAN	IEL (80	5-0198-	-R01)					
37	PDP	PDP E - TELECT HC DEMARCPANEL (805-0198-R01) PDP F - TELECT HC DEMARCPANEL (805-0198-R01)											
36	OPEN - FILLER PANEL												
35	-			1	1000								
34	8.5	SWITCH	IB										
33	30000				20000								
32	5	WITCH	A	1 14	TOP .								
31	DL	380 - S	ERVER	RA	DL360 -	SERVER	A (9954	0007300					
30		(805-06			DL360	SERVER	B (895-0	0007-000					
29	DL	380 - S	ERVER	RB	DL360-	SERVER	C (005-0	0507-20Q					
28		(805-06			DL360 -	SERVER	D (885-0	0607-20Q					
27	DL:	380 - S	ERVER	RC	DL350 -	SERVER	E (106-0	687.009					
26		(805-06			DL360-	SERVER	F (105-0	867-509					
25		SE	ISMIC	BRACE	E (805-	0188-G	01)						
24													
23	[croit-bar] 805-0535-033	6-G00	6-G31)	(creat lease) 805-0585-0303	(ICD-9	(read leafe) 805-0535-0333	(read day) 805-0585-033	(100 (100 (100)) 805 (100 (100))					
22	(crm2) 25-053	(croat-boyd) 05-0556-031	(cron2-boyd)) 05-0556-031)	crond. 5-053	(crost-broyf) (05-0596-021)	5.058	5.053	5.053					
21	-2	- 2	- 2	- 2	- 2	- 2	- 2	- 5					
20	1	2	3	4	5	6	7	8					
19								104					
18	(glug	6-000-9	6100	(0/m) (0/m)	(9/4)	(1)/11	6 (00)	105-001					
17	(con2-bog3) 805-0035-003	(0)44/0) 05-059-00	(Invid-Engl) 05-055-000	(cond-by/d) 805-0555-000	(conditive) 805-0595-000	(Myr442400) 2020-2030-203	(1)(v4:2444) 200 (055 (000)	Insurf 411/11) 015-015-015-015-015-015-015-015-015-015-					
16	- 0	-2	~	-@	-@	-@	~*	farmed a					
15	9	10	11	12	13	14	15	16					
14		SE	ISMIC	BRACE	E (805-	0188-G	01)						
13	×		- *	- *	×	_×	×	- *					
12	(cont-bayl) 801-0536-GO	(contract) 801-0596-GO	(centray3) 801-0596-GOX	(centreyt) 801-0596-020	(mattey) 885.0816.000	(mathey) 865.056-020	(mattey) 805.0516-20	(mustey) 805.0586-200					
11	(food-bayd) 001-0536-600	(con) (01-05	(roor) 01-05	(roor) 01-05	(so-10)	(so-i0	(mar)	(SO-10					
10	*	*	*	*	*	*	00						
9	1	2	3	4	5	6	7	8					
8	- ×	- ×						16-					
7	(controy) 801-0136-GCC	[crat-byt0] 891-0156-GCC	(cont-barl) 891-0186-GCC	[crut-byf2] 805-0156-GO	[contribut]] 895-0156-010	[muthoff] 801-0156-0100	[eeuthoy5] 801-0586-000	SILIE					
6	(cont) 05-055	[crat-by10] 01-0156-GC	(cent) 05-062	fered.	fered.	fered 05-058	(eved	(read Star K) 0544-53500 241-1					
5	8	- 20	*	- 00	*	- 00	*	Conserved of the second					
4	9	10	11	12	13	14	15	16					
3				OPE	IN								
2			OPE	N - FILI	LER P	MEL							
		-	VEC		CAP/	ALL							

Figure 8: DC Cabinet; (2) Enclosures; (2) Switches; RMS

U			Cab	inet (N	lax co	nfig)							
44	P	DP A -	TELEC	CT 4/4 F	ANEL	(805-0	197-R0	1)					
43	P	DPB-	TELEC	CT 4/4 F	PANEL	(805-0	197-R0	1)					
42	_		OPE	N - FILI	LER PA	ANEL		-					
41	PDP	PDP C - TELECT HC DEMARCPANEL (805-0198-R01)											
40	PDP	D - TEL	ECT H	DEMA	RCPAN	IEL (80	5-0198-	-R01)					
39	OPEN - FILLER PANEL												
38	PDP E - TELECT 4/4 PANEL (805-0197-R01)												
37	OPEN - FILLER PANEL												
36	OPEN - FILLER PANEL												
35	°[
34	₩.	SWITC	НВ										
33													
32		SWIT	CHA										
31	DL	DL380 - SERVER A DL380 - SERVER A (805-0607-XX)											
30		(805-06	509-XX)		DL360 -	SERVER	B (805-0	0607-XX)					
29			ERVER		DL380 -	SERVER	C (805-0	0607-XX)					
28		(805-06	509-XX)		DL360 -	SERVER)607-XX)					
27			ERVER		DL360 -	SERVER	E (805-0	607-XXJ					
26		(805-06	509-XX)		DL360 -	SERVER	F (805-0	607-XX)					
25			ERVER		DL360 -	SERVER	G (805-0	0607-XX)					
24		(805-06	509-XX)	6	DL360 -	SERVER	H (805-0	0607-XX)					
23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ERVER		DL360	SERVER	1 (805-0	607-XX)					
22		(805-06	609-XX)		DL360 -	SERVER	J (805-0	(607-XK)					
21			ERVE		DL360 -	SERVER	K (805-0	607-XX)					
20		(805-06	509-XX)		DL360 -	SERVER	L (805-0	607-XX)					
19			ERVE		OPE	N-FILL	ER PA	NEL					
18		(805-06	509-XX)		OPEN-FILLER PANEL								
17			ERVER		OPEN-FILLER PANEL								
16		(805-06	509-XX)	-		N-FILL	ER PA	NEL					
15				N - FILI									
14		SE	ISMIC	BRACE	= (805-	0188-G	01)	1					
13	¢ X	NX	e X	₹X	(s)	sX	(X	aX					
12	(cont-beyl) 005-0556-GXX	[cma1-bay2] 805-0596-0XX	[contribuy3] 005-0536-GXX	[cm1-boy4] 805-0556-GXX	(count-bay5) 005-0596-QXX	[cmit-bay6] 805-0556-GXX	[cont-bay]] 05-0536-QO	[cxen1-bay8] 105-0656-GXC					
11	(cx 005-0	1cm 805-0	[con 005-0	1000 805-0	[cm	100 805-0	[con 805-0	fcore 805-0					
10		-	-		-	-	-	-					
9	1	2	3	4	5	6	7	8					
8	(e) XX	(0)XX	£XX	(SXX	() XX	Ξ×	12) XX	-586					
7	(cccn1-bvy9) 805-0536-GXX	(creat-bay10) 805-0596-020X	(cont-beyl) 005-0536-QXX	(cont-bay12) 805-0536-GXX	(count-bay13) 805-0536-QXX	(cont-bayt4) 805-0536-GXX	(csen1-bsyl5) 805-0536-QXX	r ¹⁰⁰					
6	(cr)	1cm 805-0	(cx 909-0	10m 805-(00-C	1000 805-((cx 905-((countrar)(k) 1 1596-521.0K 205-643					
5		10	11	10	42		45	2 £ 16					
	9	10	11	12 OPF	13 EN LER P/ LER P/	14	15	16					
3			OPE	N - FILI	LER P	ANEL							
1			OPE	N - FILI	LER P/	ANEL							

Figure 9: DC Cabinet; (1) Enclosure; (2) Switches; RMS