Oracle® Communications Diameter Signaling Router

Roadmap to Hardware Documentation

910-6721-001 Revision B

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ORACLE®

Oracle® Communications Roadmap to Hardware Documentation

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Roadmap

Topics:

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.

- *1Gb Ethernet Pass-Thru Module* describes the 1Gb Ethernet Pass-Thru Module.
- *Telect 125A 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.

- 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/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.

- *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*.

- 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*

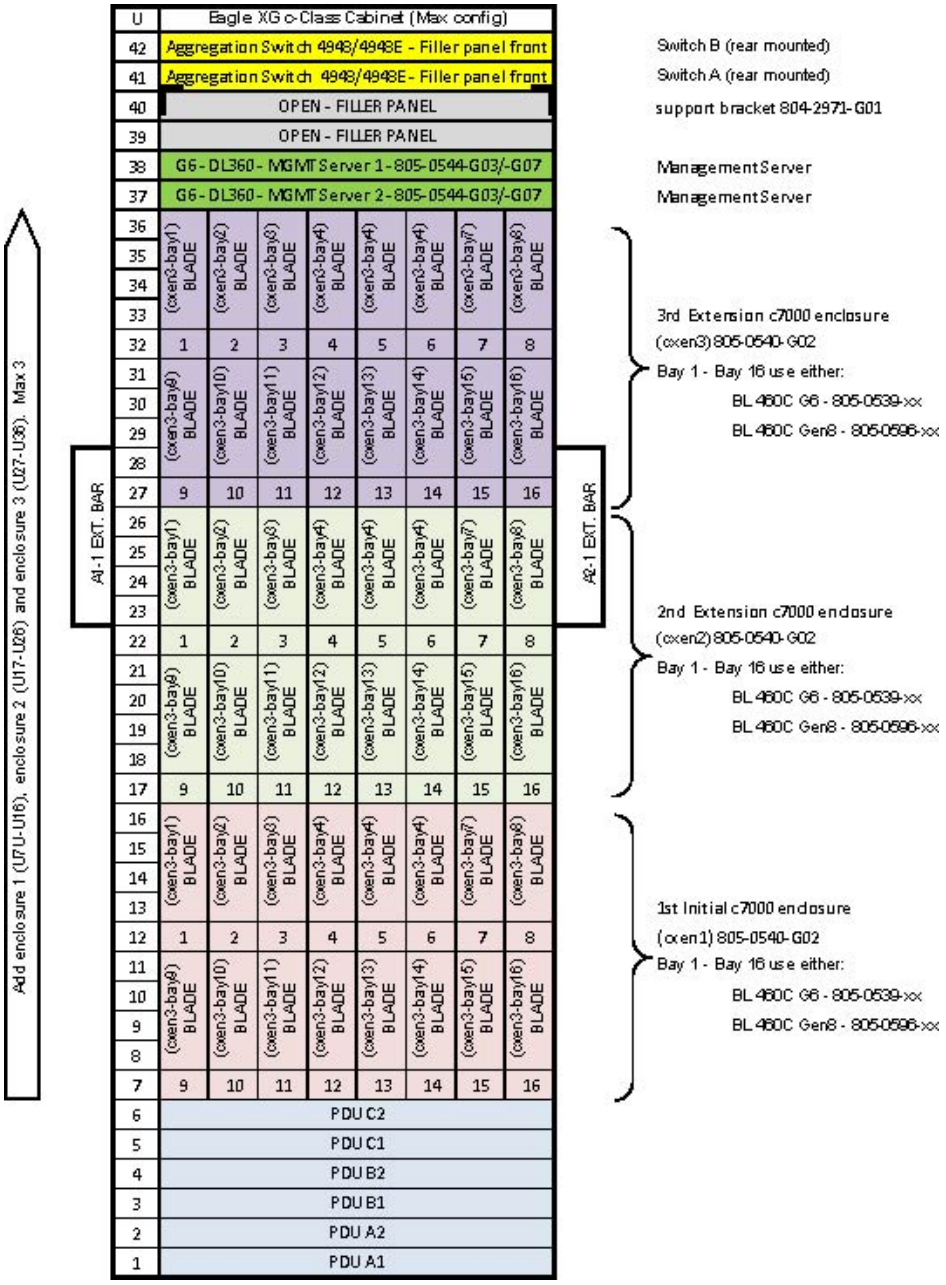

Figure 1: Example of an AC cabinet with Cisco 4948-4948E

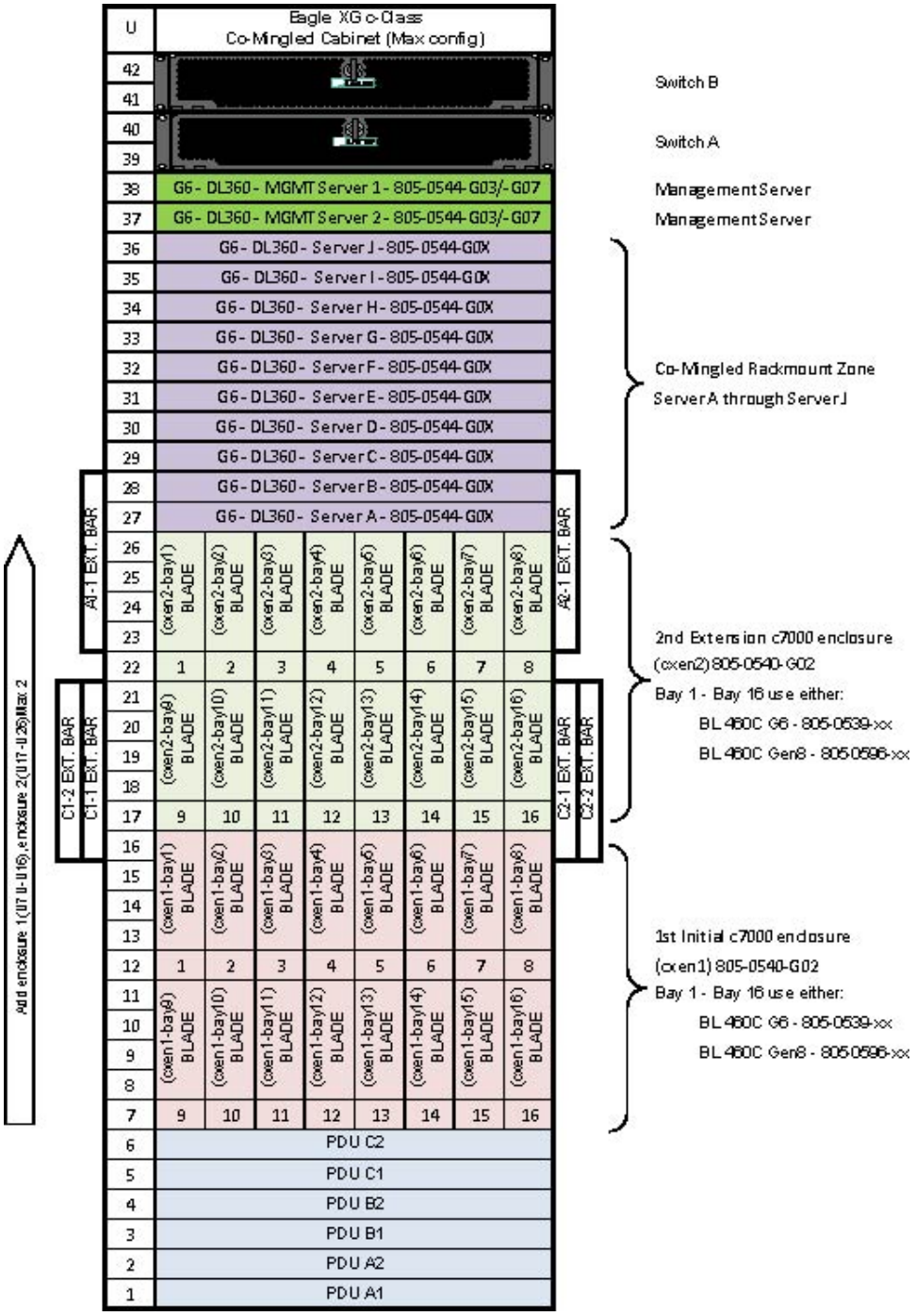

Figure 2: Example of an AC Co-Mingled cabinet with Cisco 4948E-F

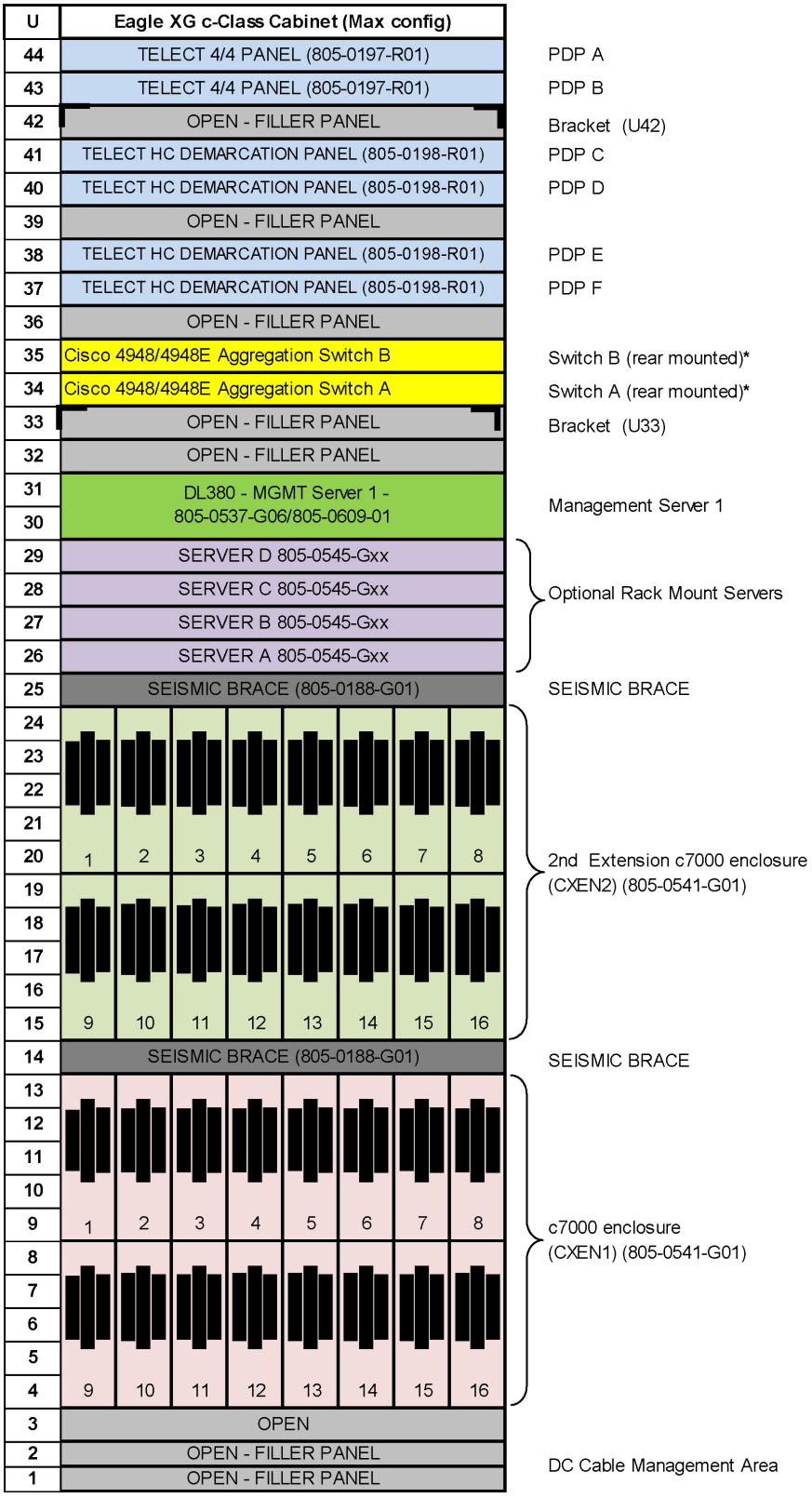

Figure 3: Example of a DC cabinet with Cisco 4948-4948E

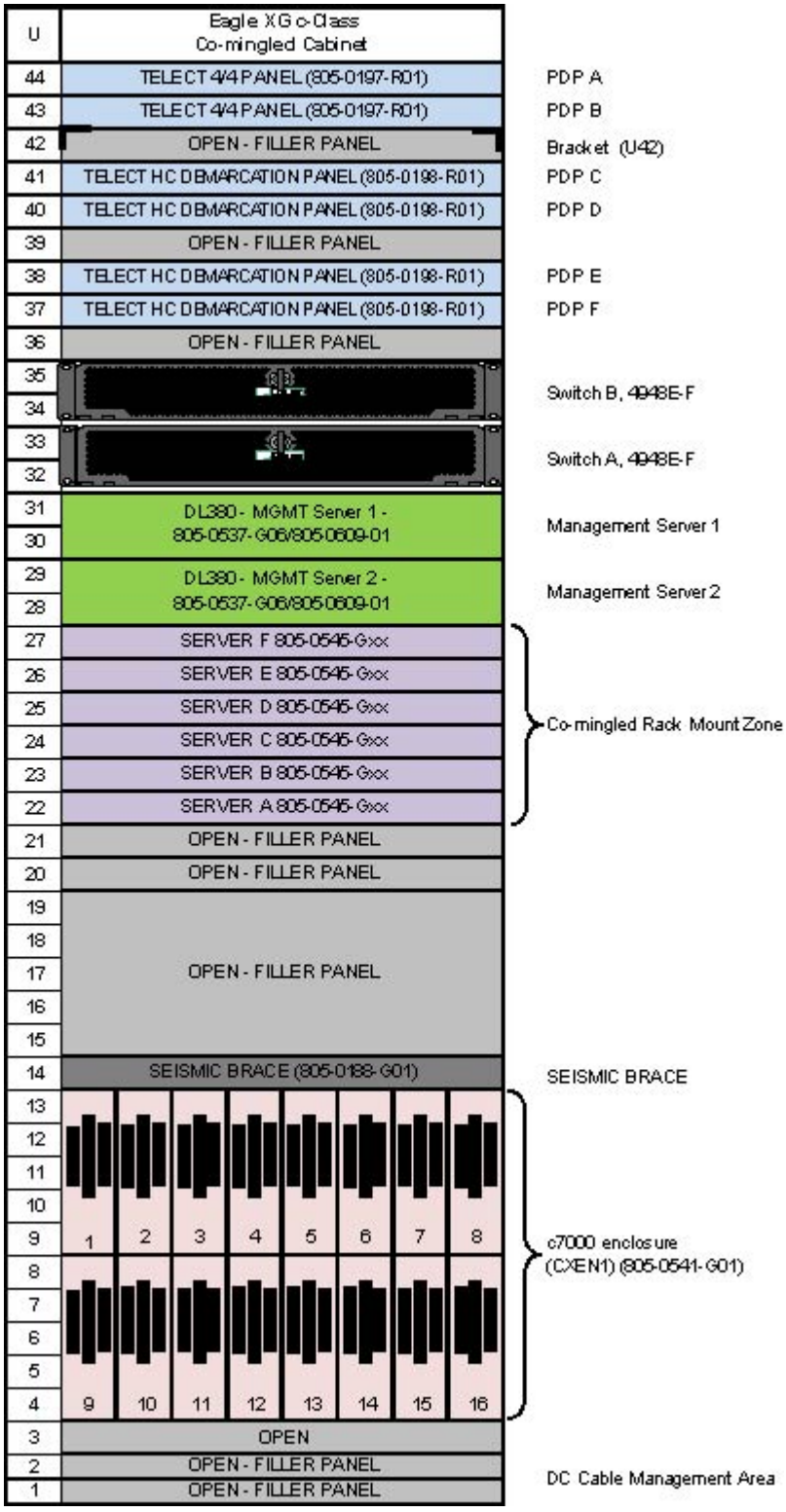

Figure 4: Example of a DC Co-Mingled cabinet with Cisco 4948E-F

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

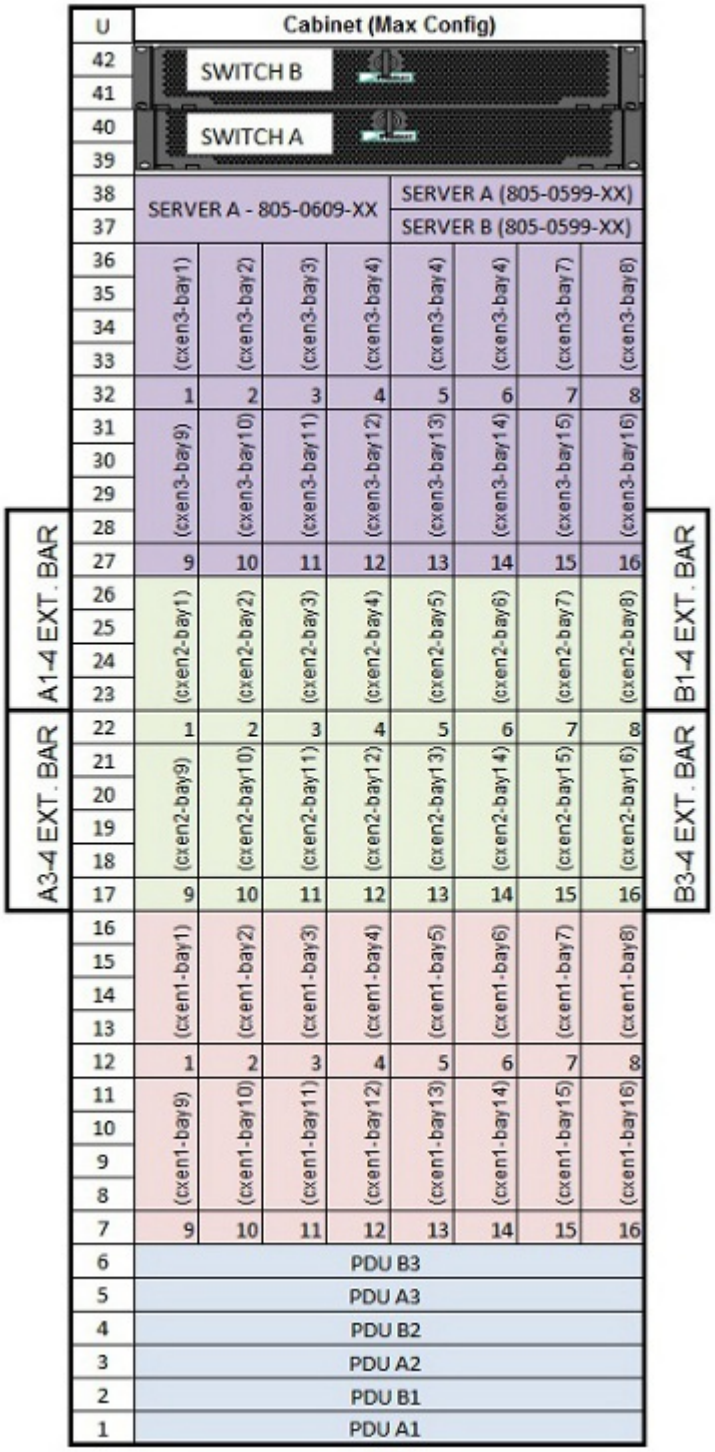

Figure 5: AC Cabinet with Cisco 4948E-F, (3) Enclosures, (1 DL380/ 2 DL360)

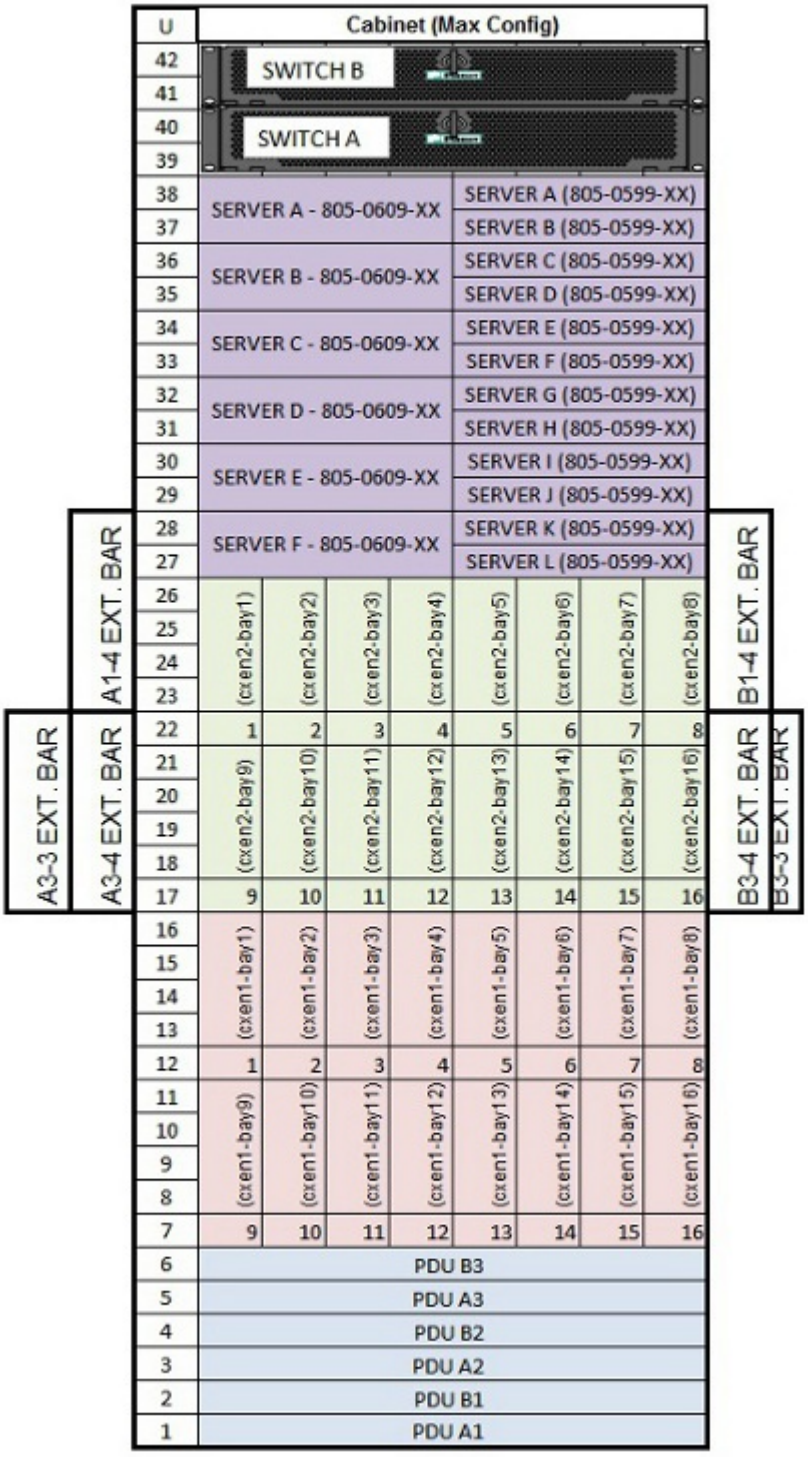

Figure 6: AC Cabinet with Cisco 4948E-F, (2) Enclosures, (6 DL380/ 12 DL360)

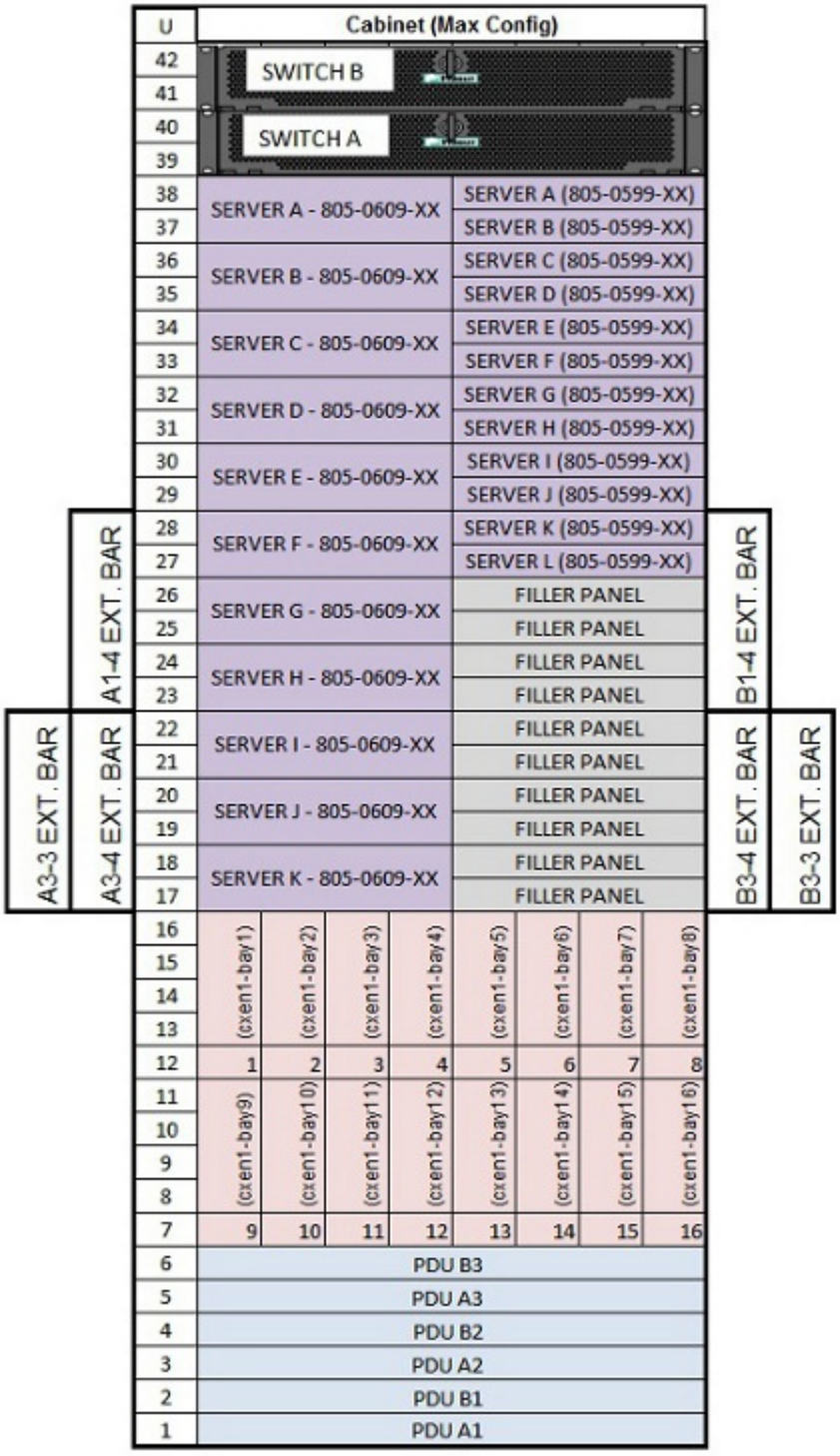

Figure 7: AC Cabinet with Cisco 4948E-F, (1) Enclosures, (11 DL380/ 12 DL360)

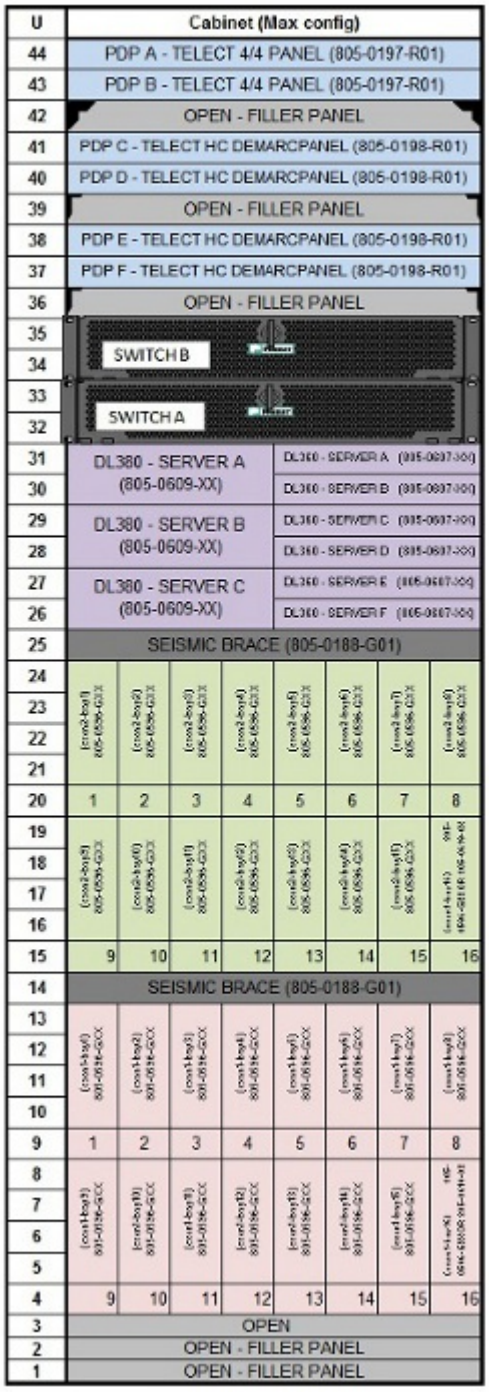

Figure 8: DC Cabinet; (2) Enclosures; (2) Switches; RMS

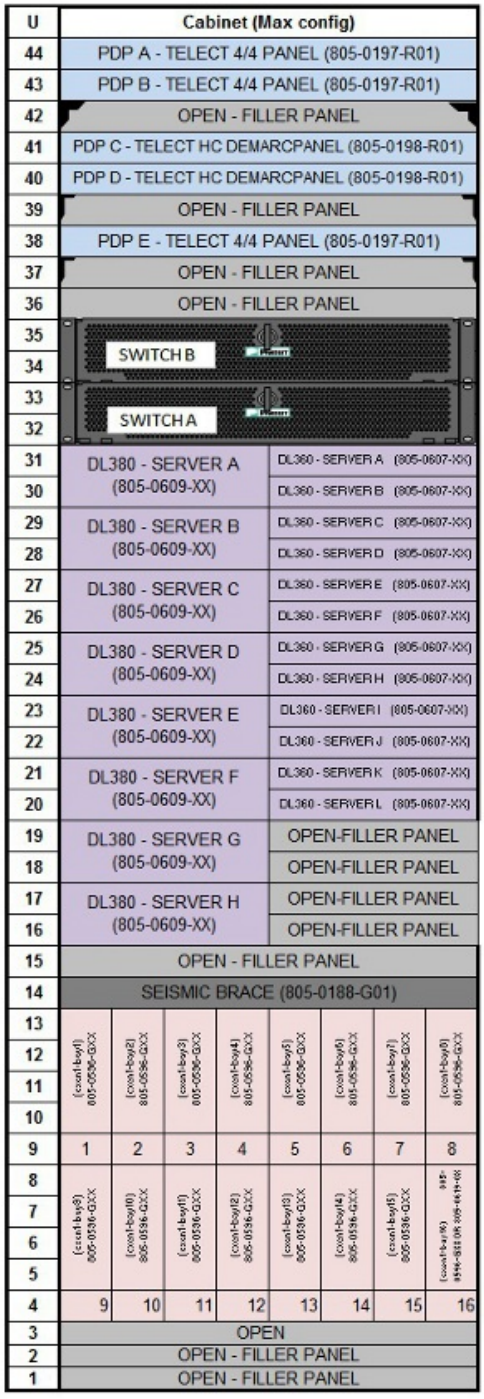

Figure 9: DC Cabinet; (1) Enclosure; (2) Switches; RMS