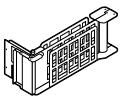
invent

Installation Guide
HP J1530B Rack Integration Kit

Contents

cable management arm
(5065-5951)



slide, left
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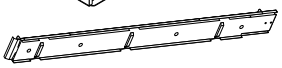

slide, right
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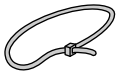
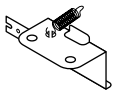
cable tie (3)
(1400-3011)

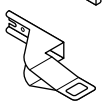


interlock device assembly

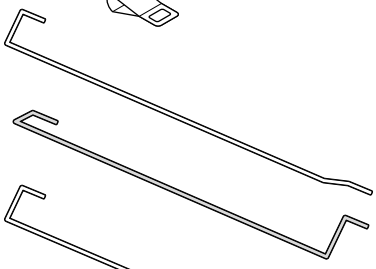
- mounting bracket and spring (2)
  (5065-5959)



- actuator bracket (2)
  (5002-1633)



- long rod, 17u
  (5002-1634)



- short rod, 17u
  (5002-1635)

- long rod, 10u
  (5002-1636)

- short rod, 10u
  (5002-1637)

installation guide
(J1530-90003)

Hardware

A M4 hex lock nut (8)
(0535-0076)

B M5x16mm screw (18)
(0515-3019)

C M4 x 6mm screw (6)
(0515-4500)

D M5 barrel nut (18)
(0590-2318)

E 10-24 custom nut (2)
(A6093-00180)

F M4 x 10mm
flat-head screw (4)
(0515-4499)

J M4x8mm screw (4)
(0515-1142)

Non-HP Rack Hardware

G M6 screw (18)
(5021-1621)

H M6 cage nut (18)
(5021-1620)

Tools Required

T20 Torx® driver, T25 Torx® driver
10 mm hex nut driver (for non-hp racks)
Phillips screwdriver (for non-hp racks)

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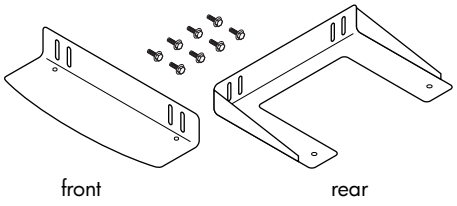
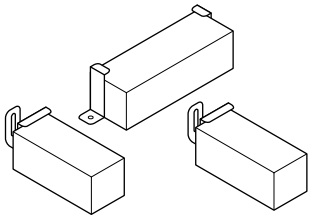
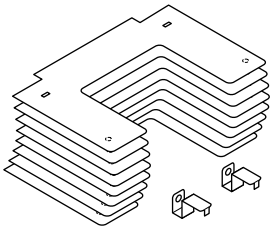
Stabilizer and Ballast

Before installing this product in any HP rack, you must purchase and install an anti-tip stabilizer kit (A5540A) and ballast kit (J1479A or J1479B). If the HP rack is bolted to the floor through the rear anti-tip stabilizer, then the ballast kit is not needed. See step 2 in this guide. Non-HP racks need to be bolted to the floor.
NOTE: Newer E-series racks come standard with the anti-tip stabilizer feet.



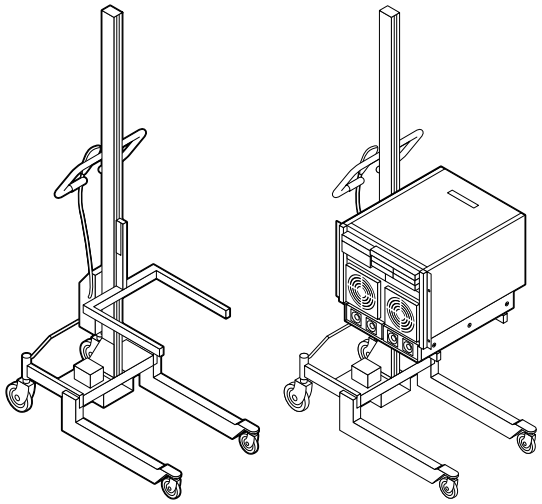
anti-tip stabilizer kit (A5540A)


ballast kit (J1479A)

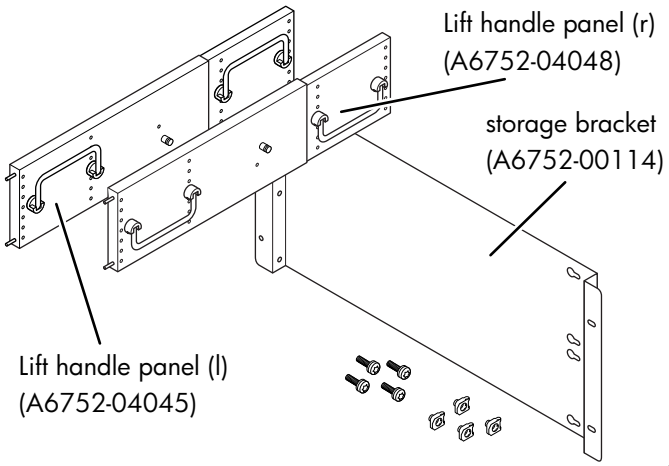

ballast kit (J1479B)

Lift and Lift Handles

The weight of this product requires a lift to install.



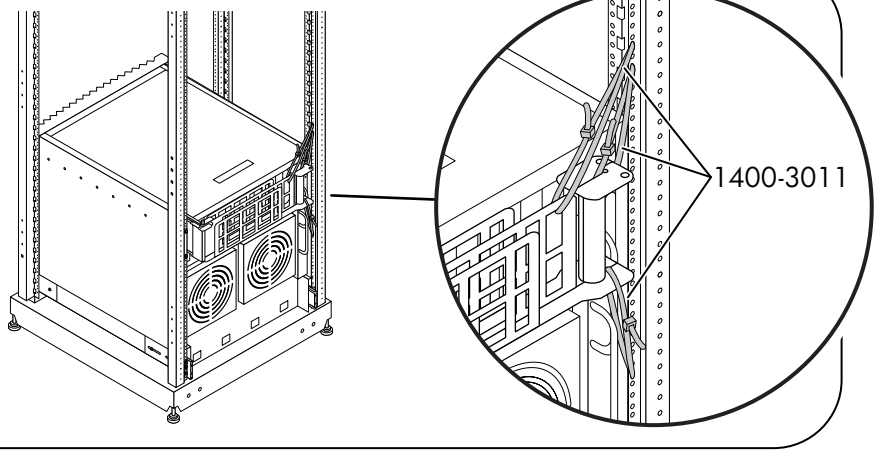
If no HP approved lift is available, lift handle kit (A6752-04049) can be used. See page 5 for HP racks and page 10 for non-HP racks.



Cable Ties—HP racks only

If field service has built the integrated HP rack from the kit and shipped or moved it to your site, the cable ties must be removed.

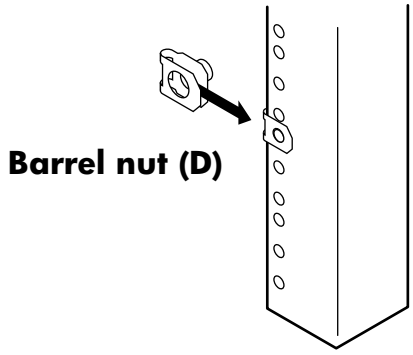
The cable ties must be attached whenever the integrated HP rack is moved.

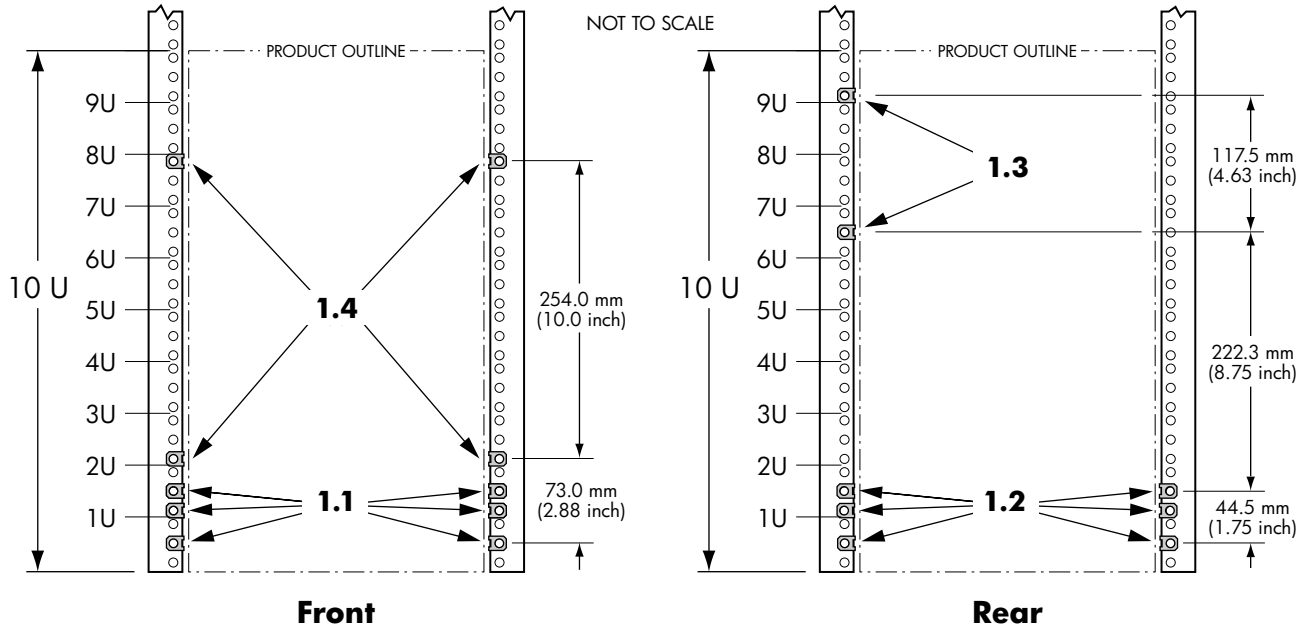


Barrel Nut Placements

1

Attach barrel nuts to the front and rear columns as shown in the diagram below.





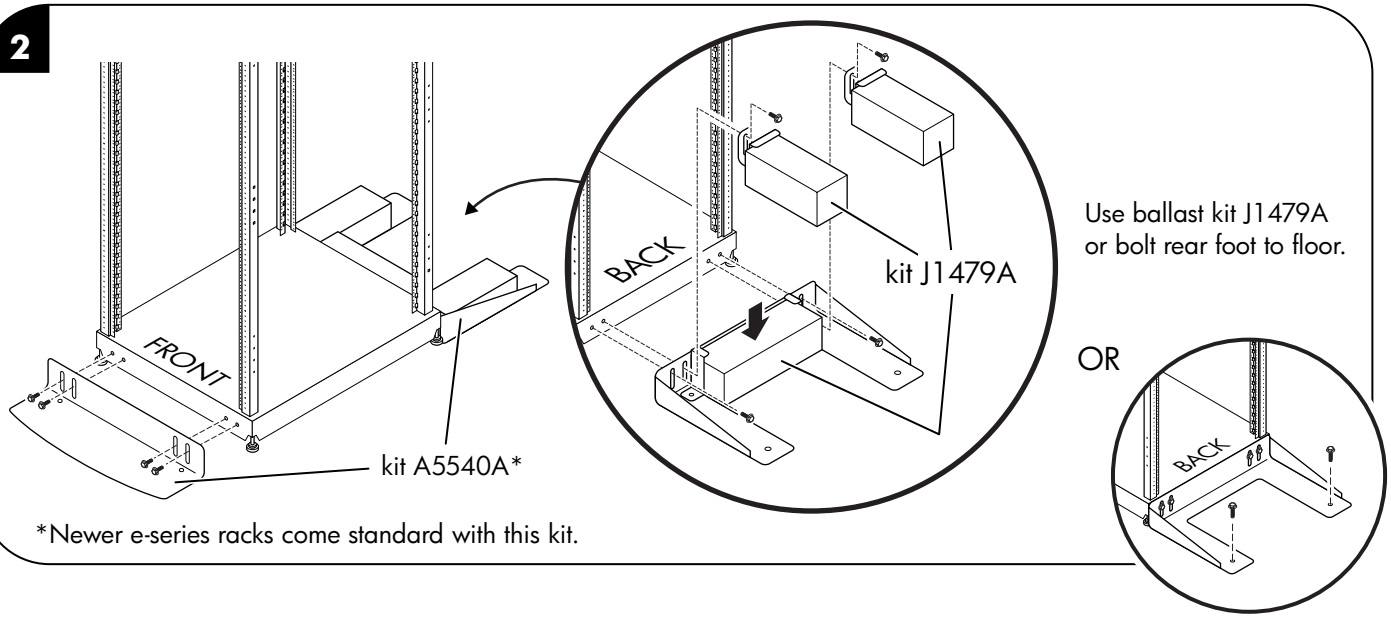
1.1 Positions for mounting front of slides (see step 3)

1.2 Positions for mounting rear of slides (see step 3)

1.3 Positions for mounting CMA (see step 6)

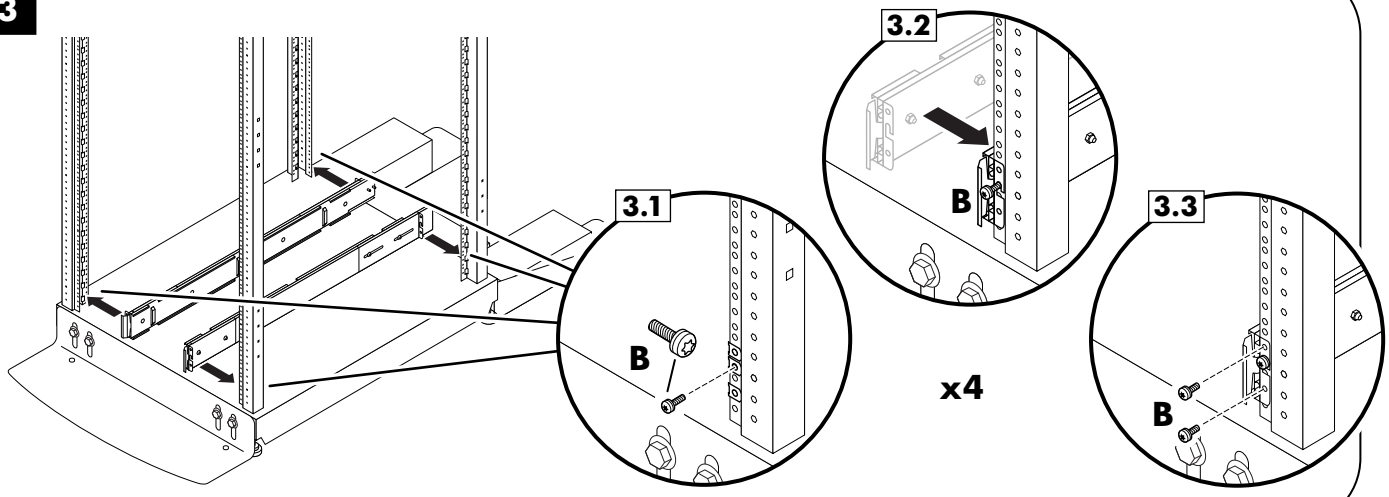
1.4 Positions for mounting product (see step 7)

2



*Newer e-series racks come standard with this kit.

3



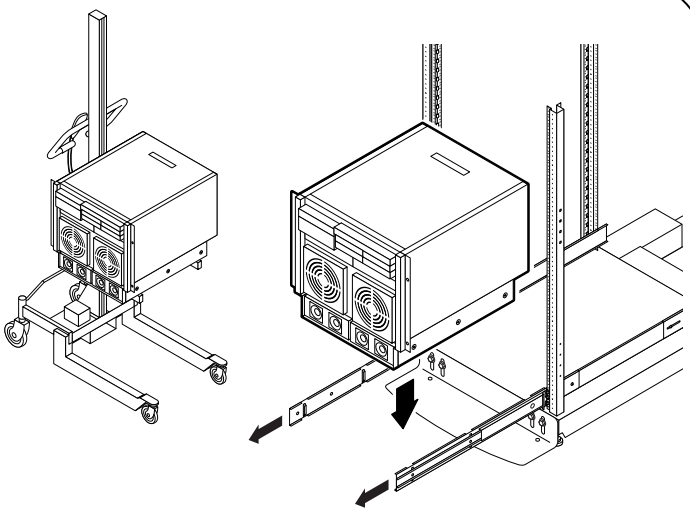
4

CAUTION Unpack the server in an ESD safe environment. Observe all ESD safety precautions before attempting this procedure. Failure to follow ESD safety precautions could result in damage to the server.

The weight of this product requires an HP approved lift to install.

If an HP approved lift is not available go to step 4.1 on page 5 for installation of lift handle panels.

If using an HP approved lift, continue to step 5 on page 7.



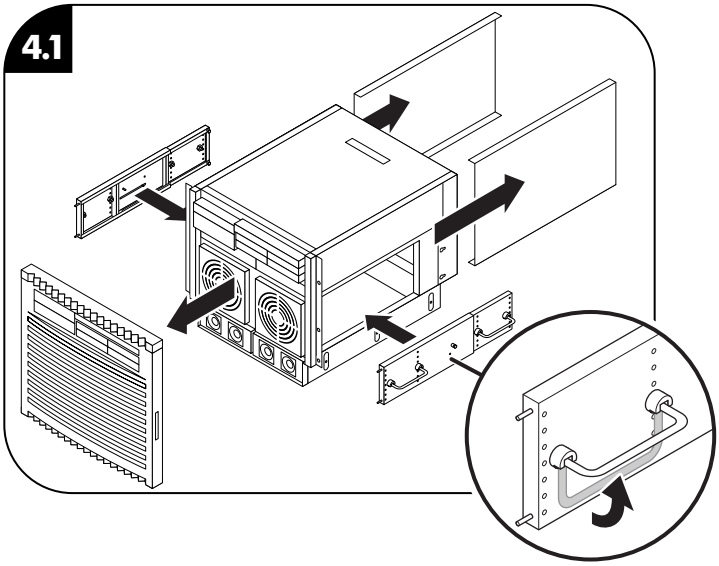
Installation of Server rp74XX/rx76XX into HP E- and U-series Racks (continued)

Use the following procedure only if no Hewlett-Packard approved lift is available. This procedure should only be attempted by two (2) Authorized HP service people.

A fully loaded rp74XX/rx76XX may weigh up to 220lbs. Before attempting this procedure, it is recommended that you first remove all Cell Boards and AC Power Supplies. Instructions for removing these components can be found in the Removal & Replacement chapter of the service manual. Check with local safety regulations before attempting to move the system using the Lift Handle Panels.

Failure to observe these precautions can cause serious injury to personnel or damage to equipment.

4.1



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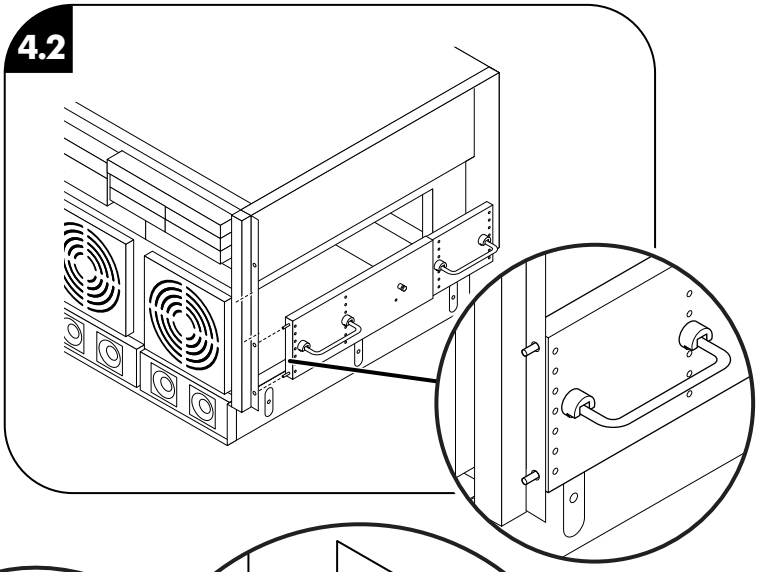

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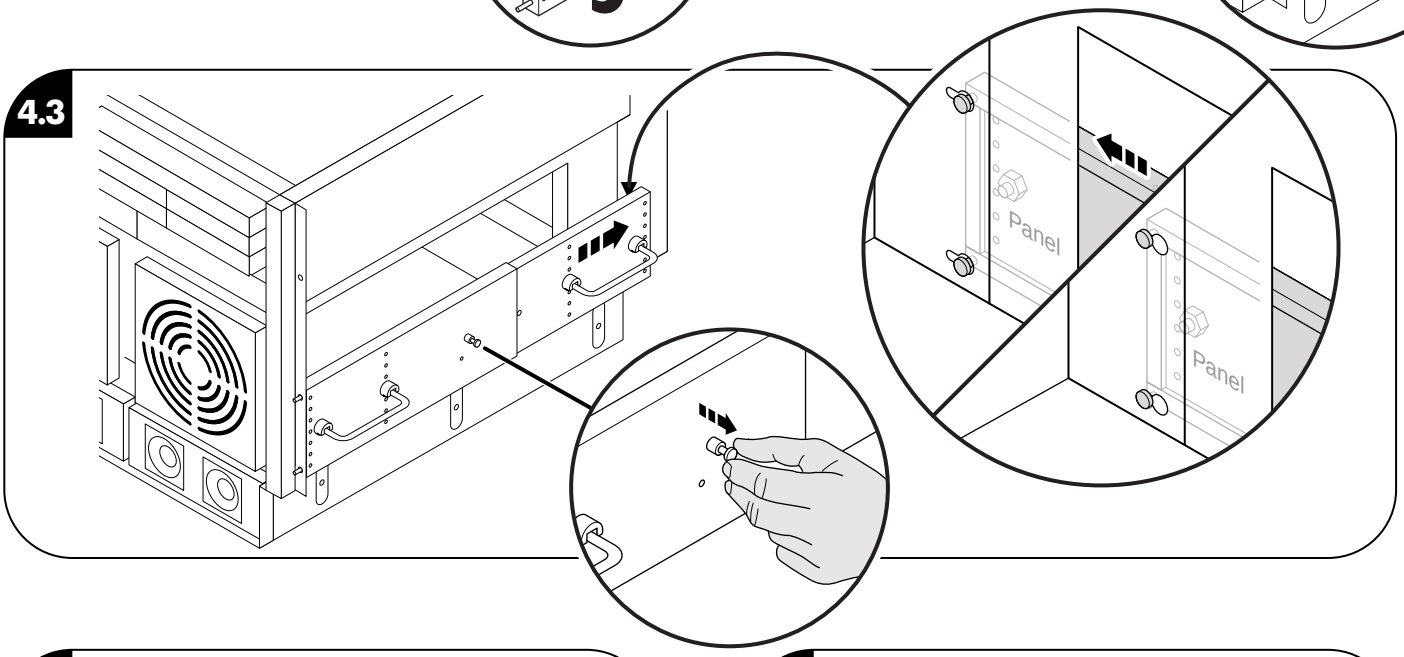

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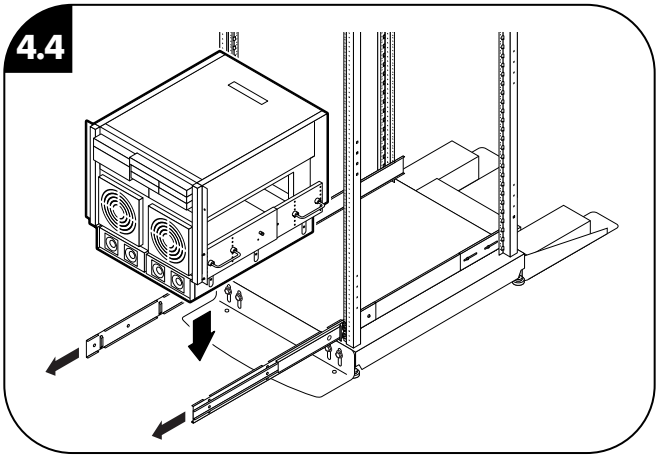

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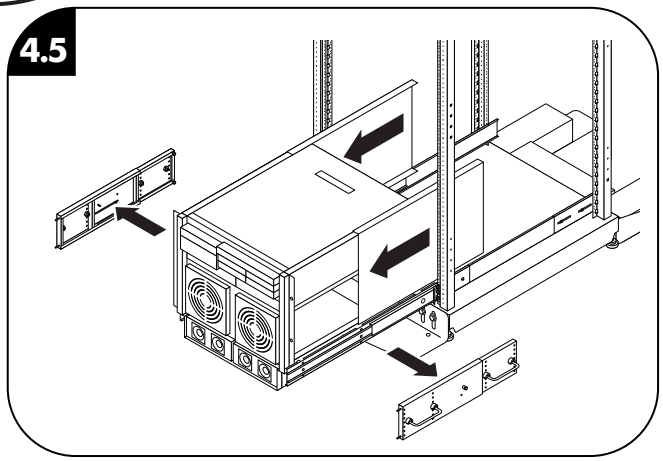

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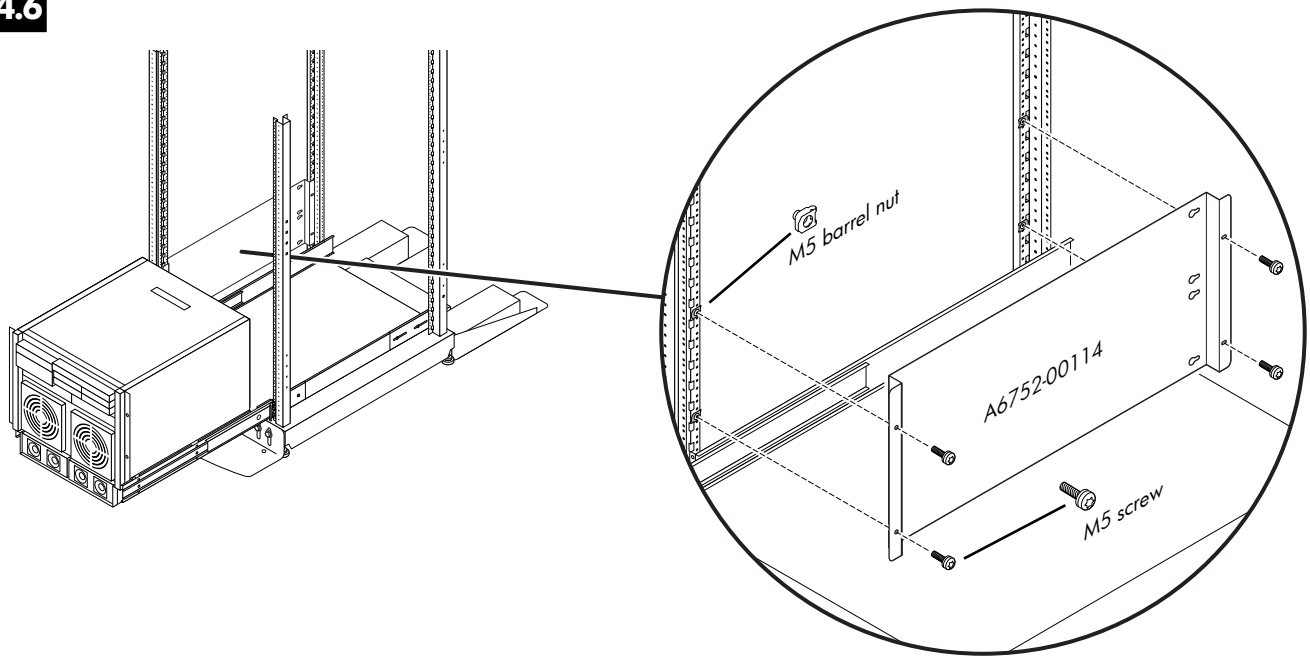

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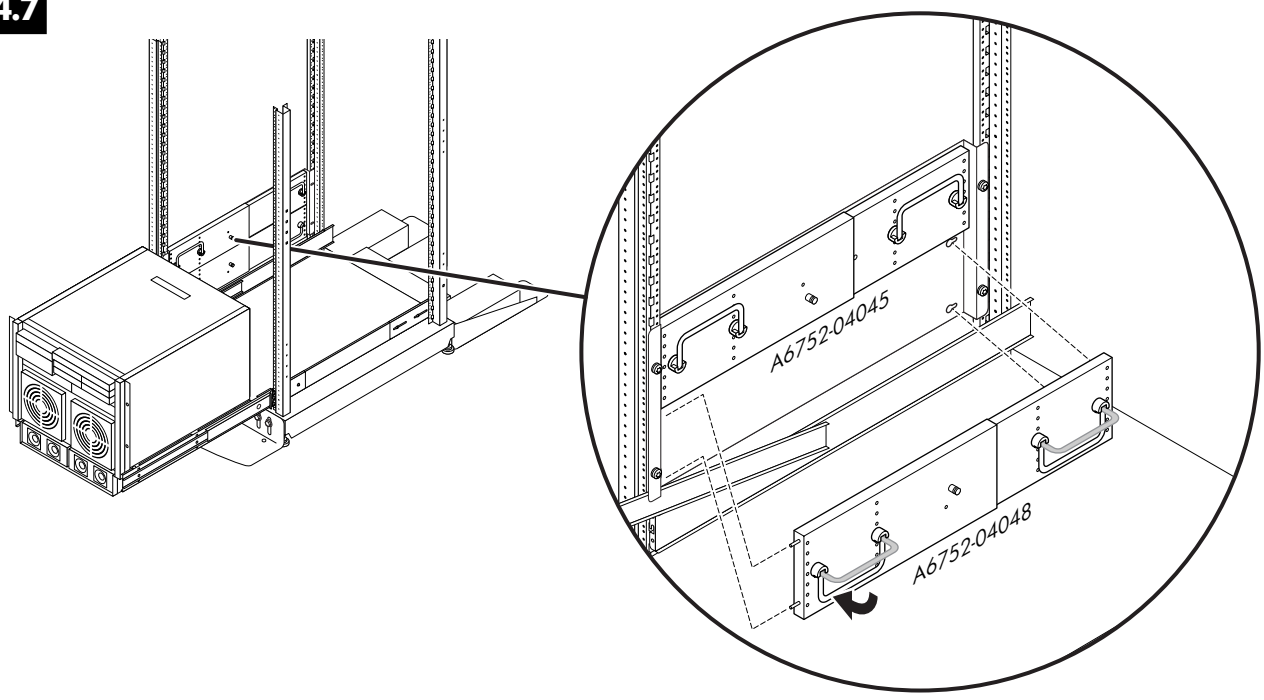

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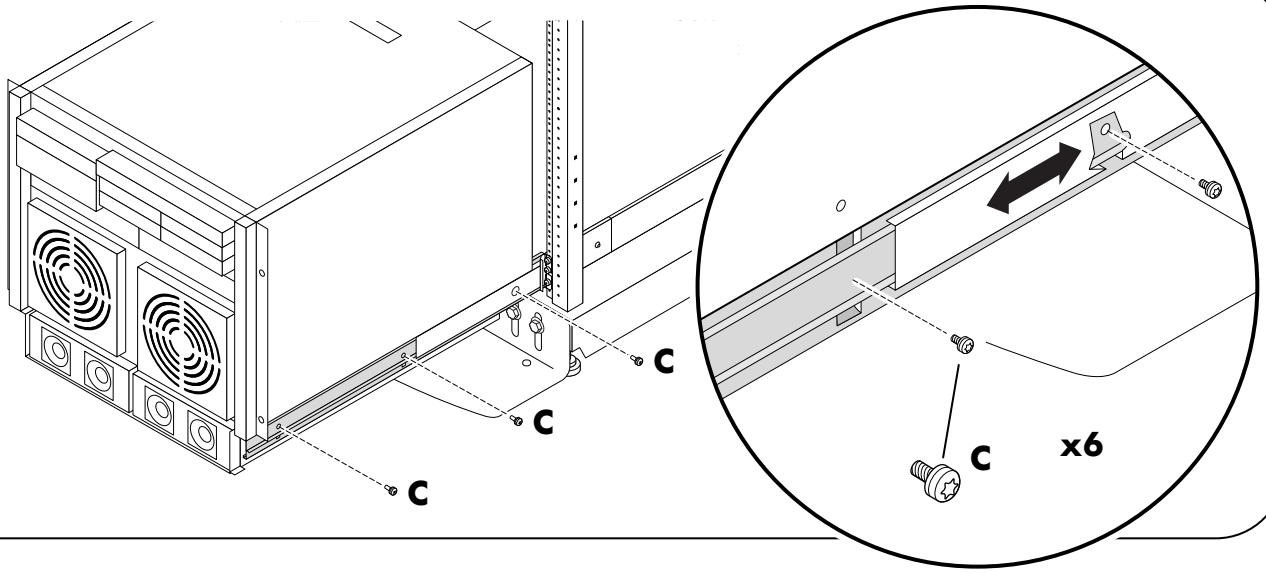

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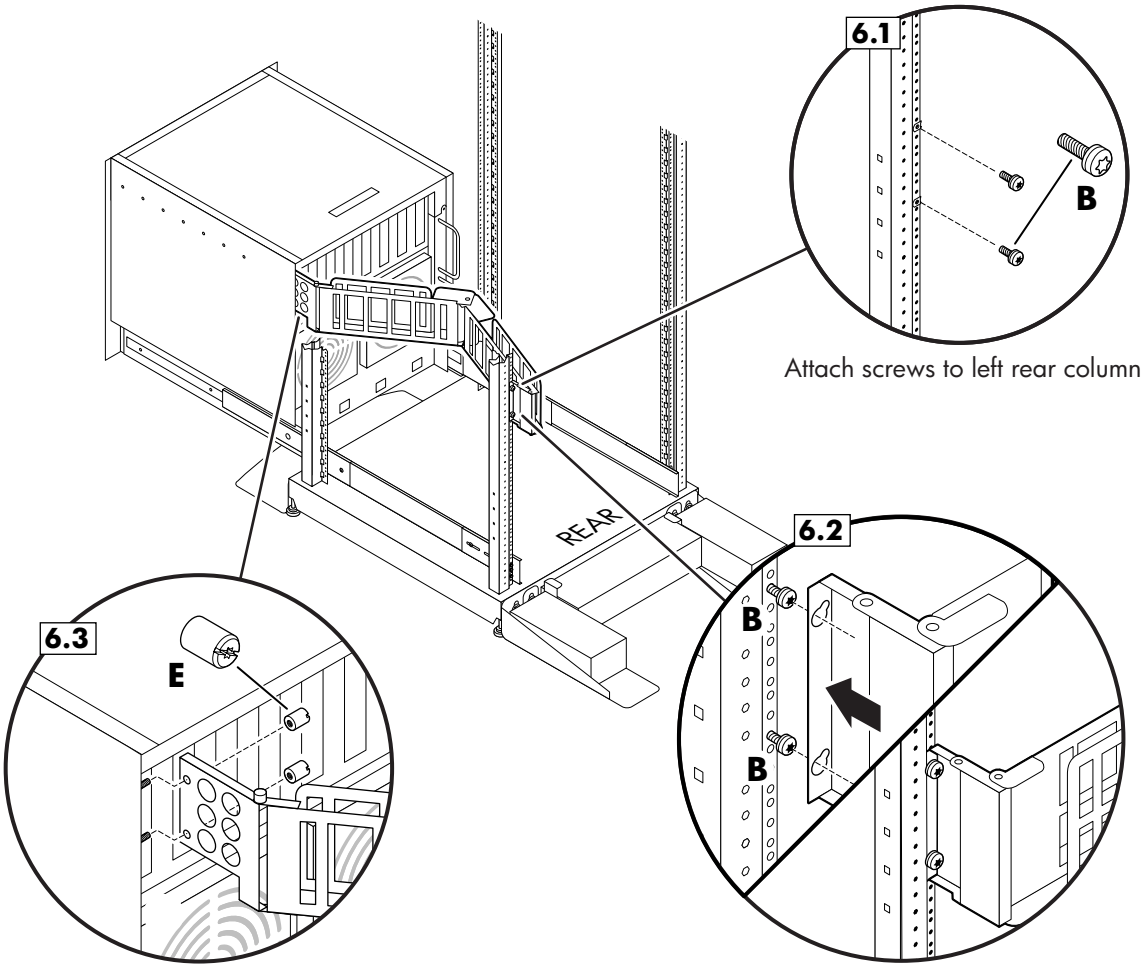
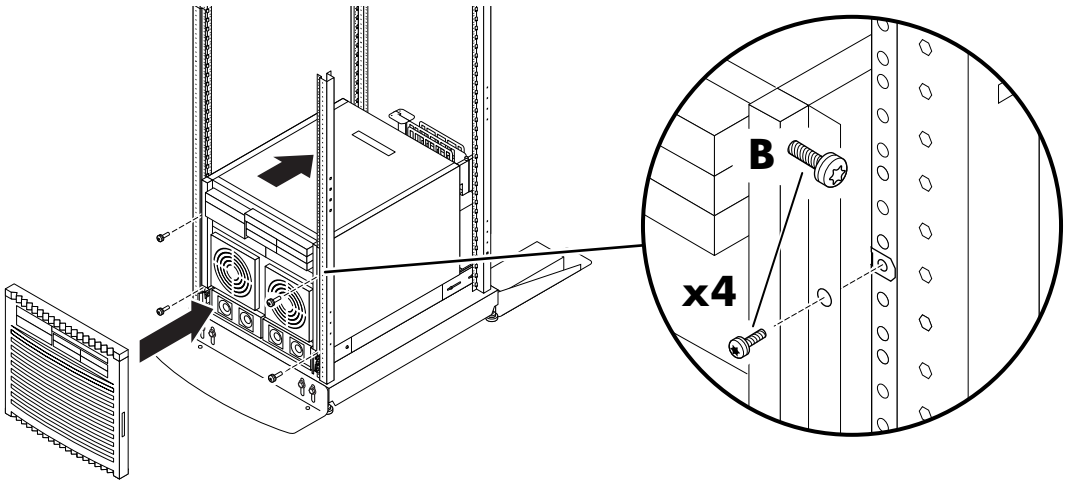


Attach screws to left rear column.

Extend CMA to left rear side of product, attach to studs and secure with nuts.

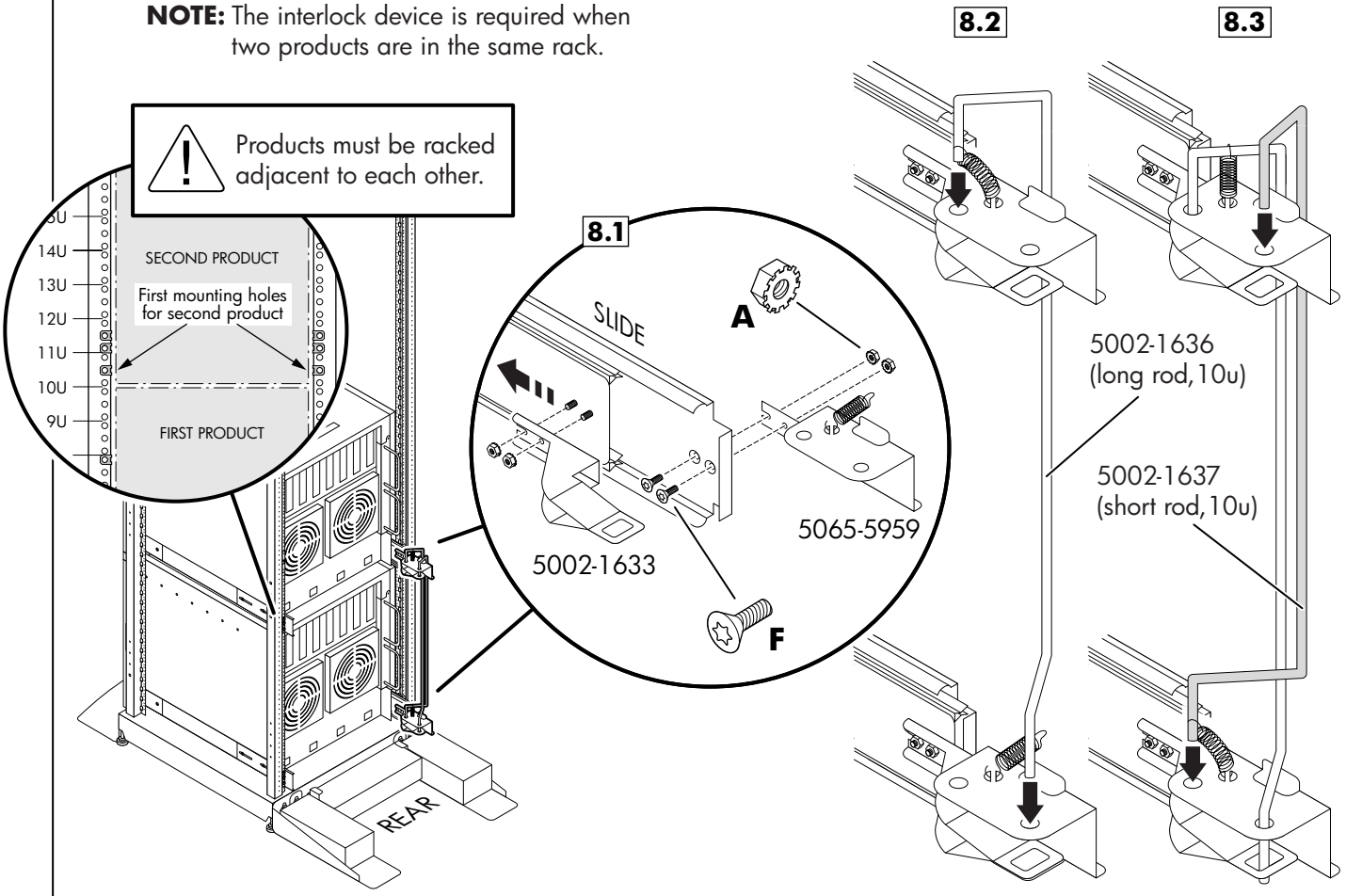
Slip CMA over screws and tighten.

7



8

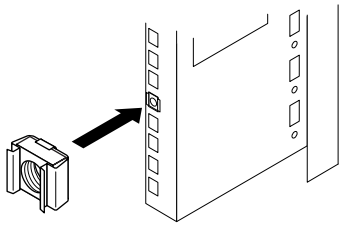
NOTE: The interlock device is required when two products are in the same rack.



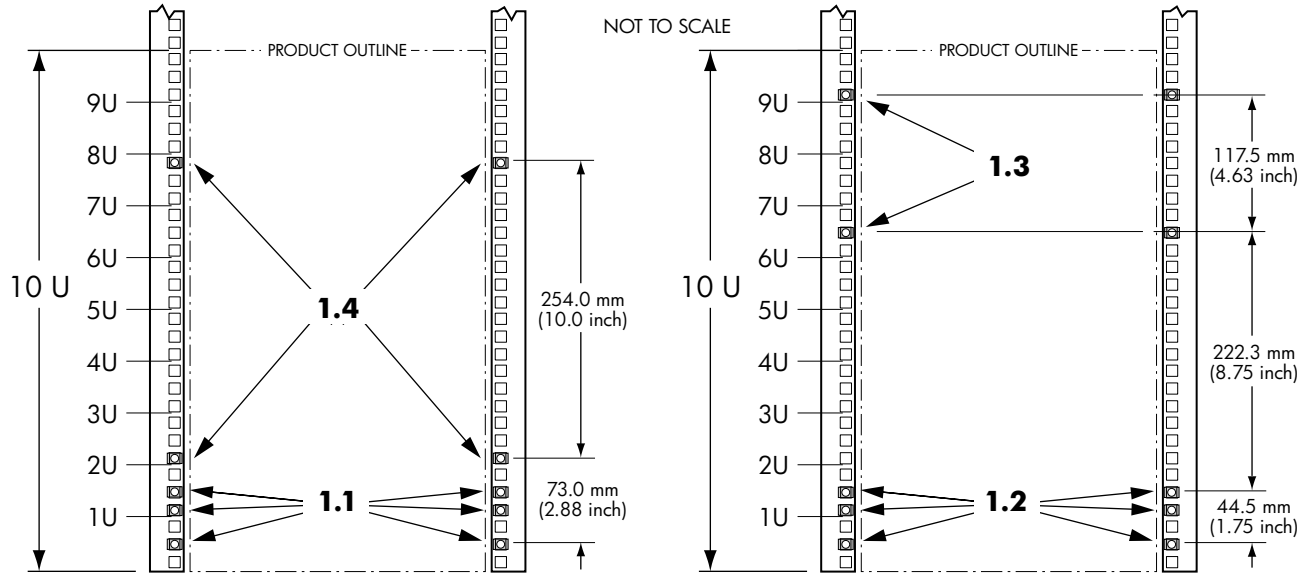
If four products are installed, two interlock devices are needed, with one connected to the bottom two products and the other connected to the top two products.

1

Attach cage nuts to the front and rear columns as shown in the diagram below.



Cage nut (H)

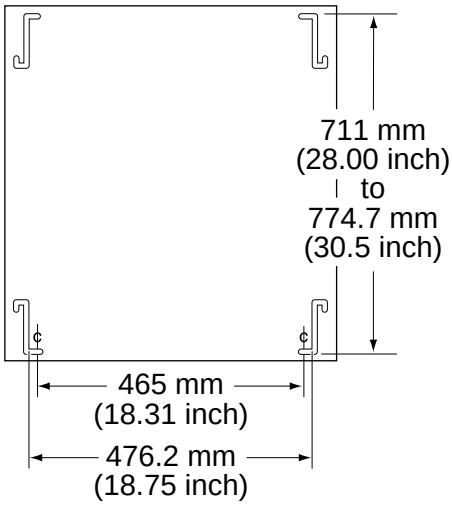


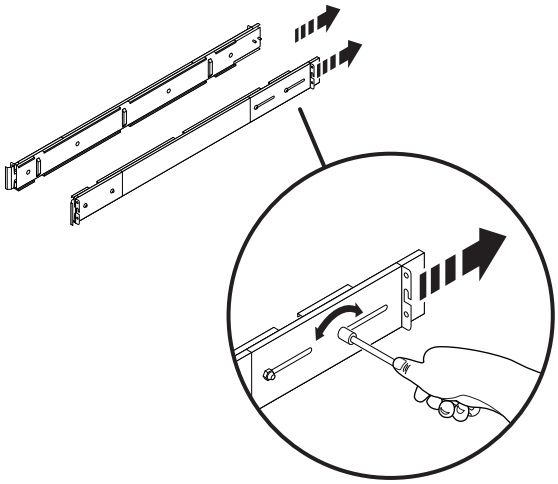
Front **Rear**

1.1 Positions for mounting front of slides (see step 3)
1.2 Positions for mounting rear of slides (see step 3)
1.3 Positions for mounting CMA (see step 6)
1.4 Positions for mounting product (see step 7)

* Columns may vary from manufacturer to manufacturer.

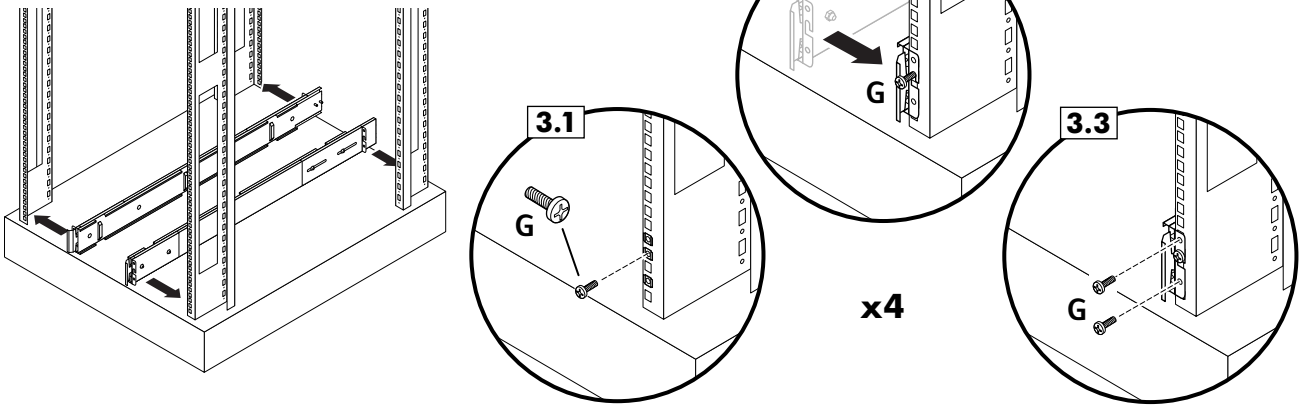
2





3

HP Ballast is not compatible with non-HP racks. Customers will need to bolt the rack to the floor.



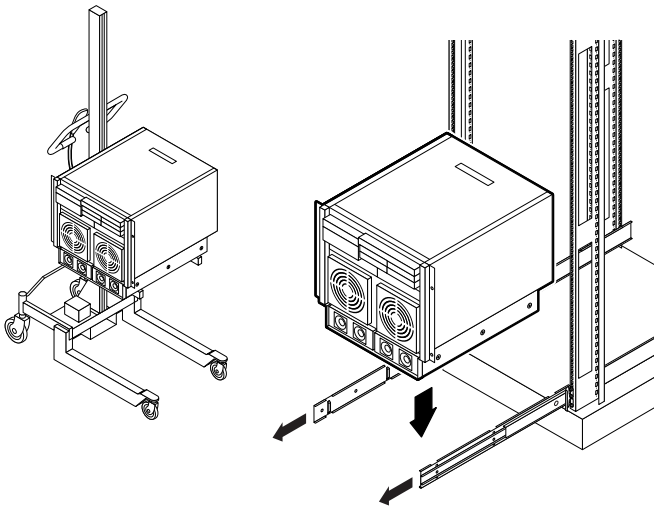
4

CAUTION Unpack the server in an ESD safe environment. Observe all ESD safety precautions before attempting this procedure. Failure to follow ESD safety precautions could result in damage to the server.

The weight of this product requires an HP approved lift to install.

If an HP approved lift is not available go to step 4.1 on page 11 for installation of lift handle panels.

If using an HP approved lift, continue to step 5 on page 12.



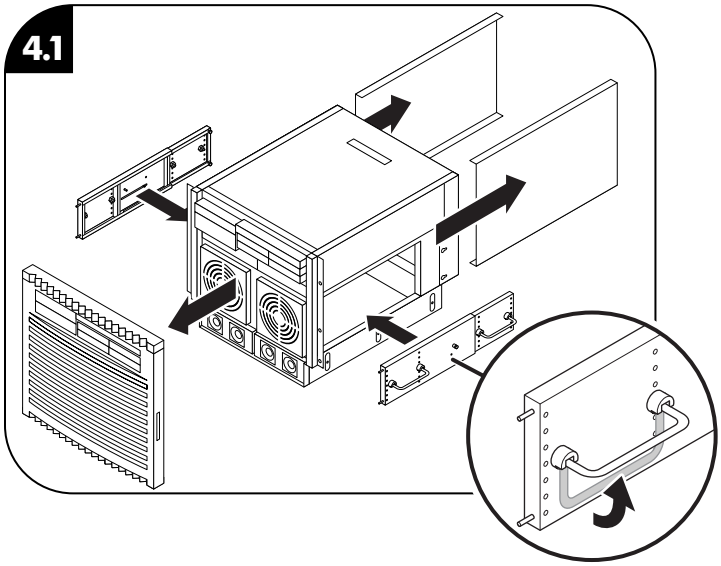
Installation of Server rp74XX/rx76XX into Non-HP Racks (continued)

Use the following procedure only if no Hewlett-Packard approved lift is available. This procedure should only be attempted by two (2) Authorized HP service people.

A fully loaded rp74XX/rx76XX may weigh up to 220lbs. Before attempting this procedure, it is recommended that you first remove all Cell Boards and AC Power Supplies. Instructions for removing these components can be found in the Removal & Replacement chapter of the service manual. Check with local safety regulations before attempting to move the system using the Lift Handle Panels.

Failure to observe these precautions can cause serious injury to personnel or damage to equipment.

4.1



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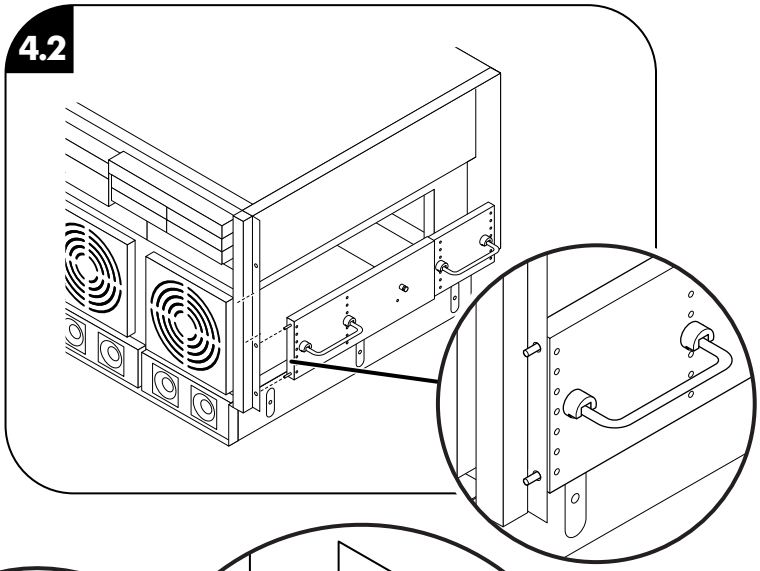

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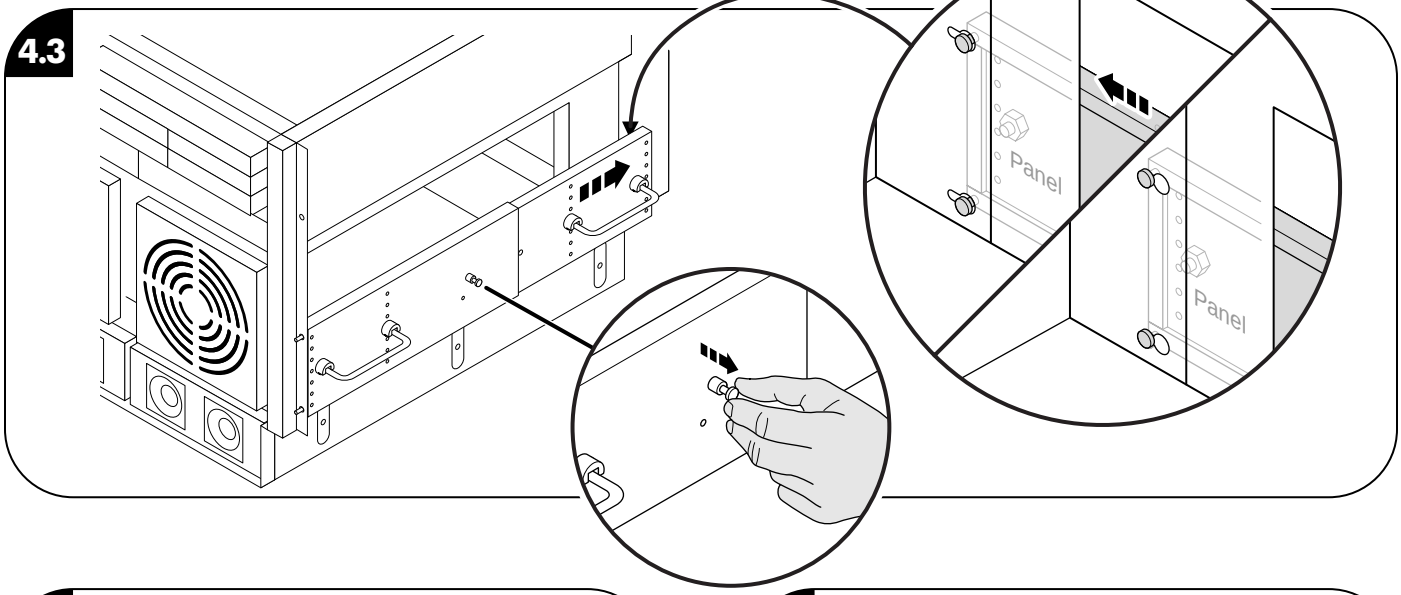

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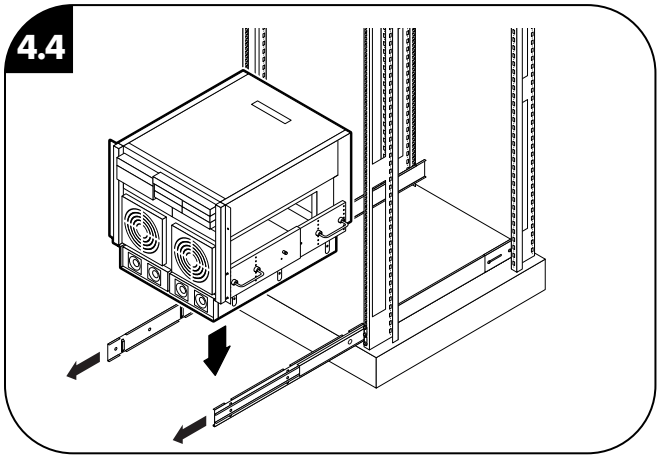

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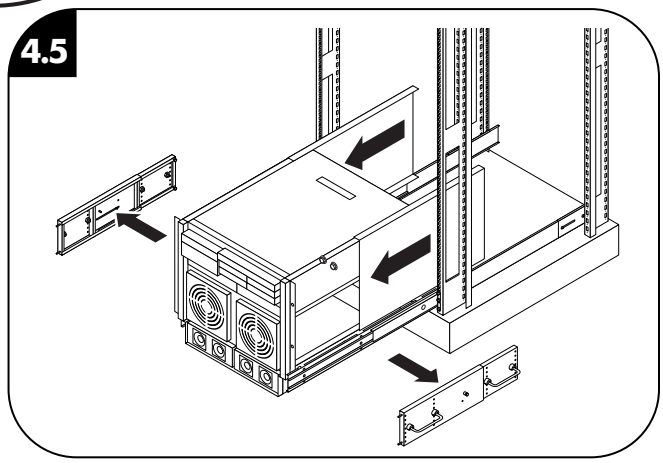

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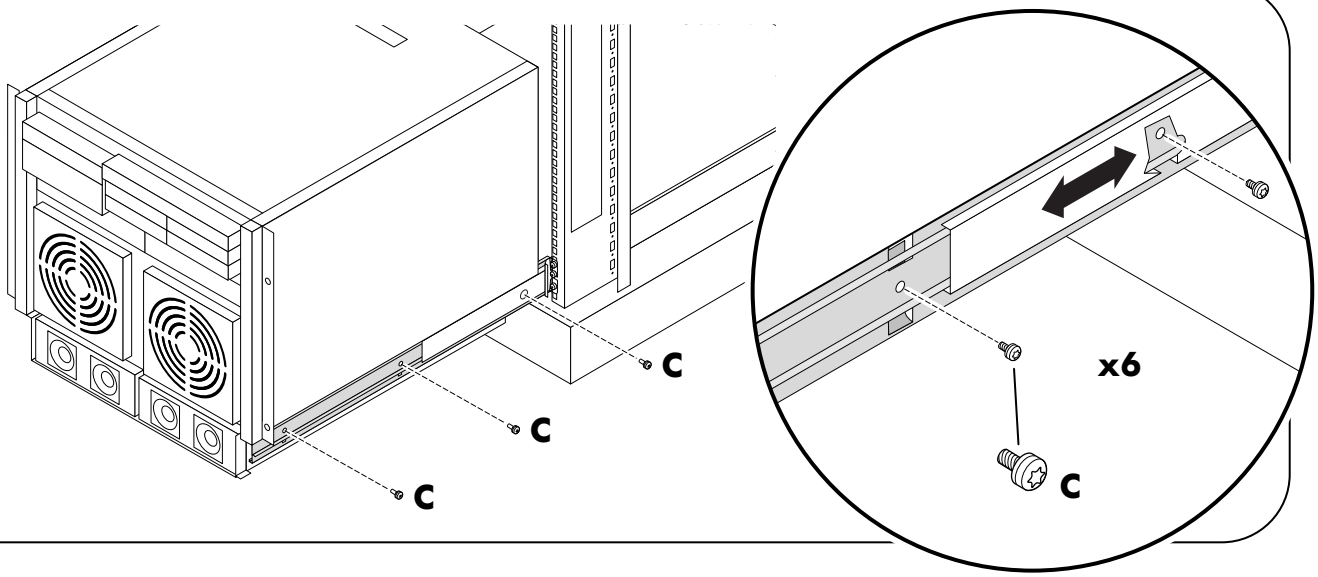

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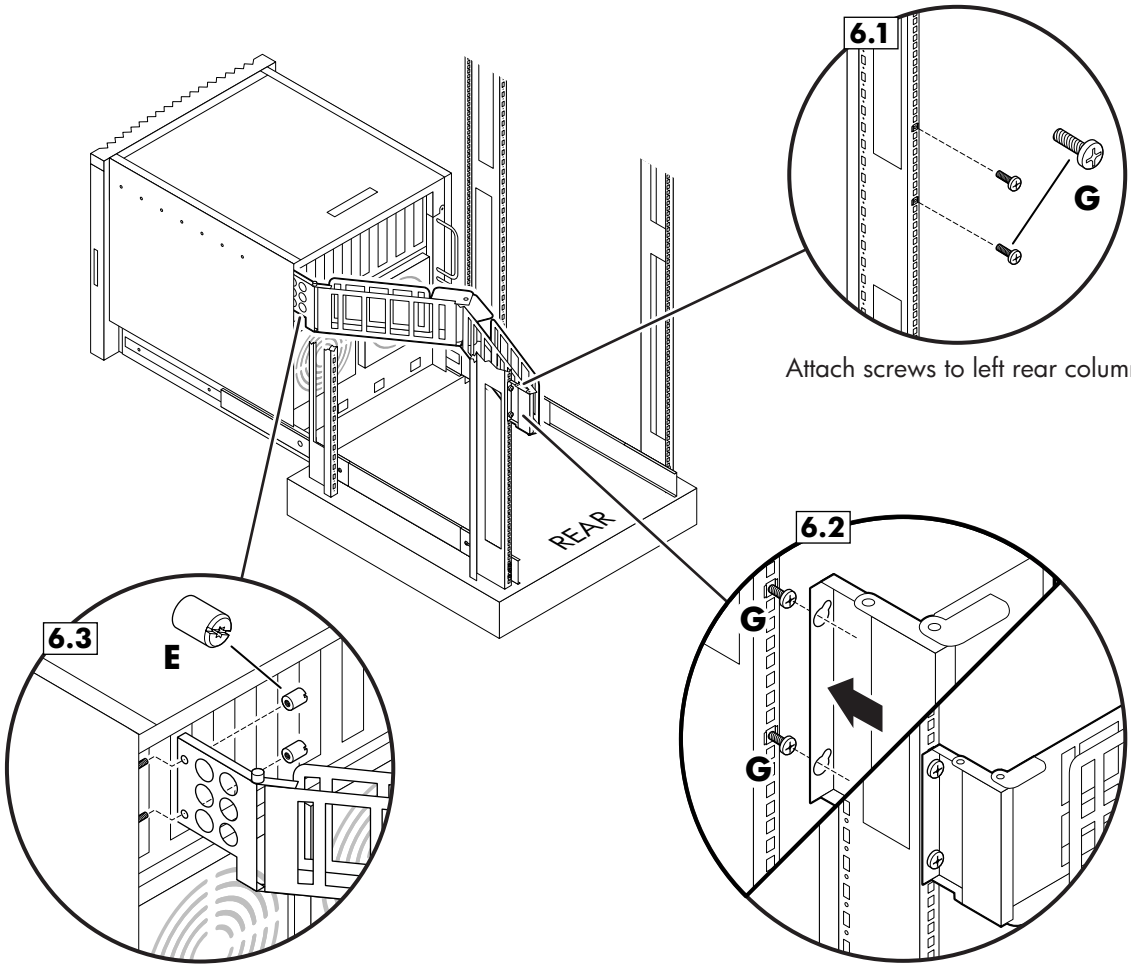
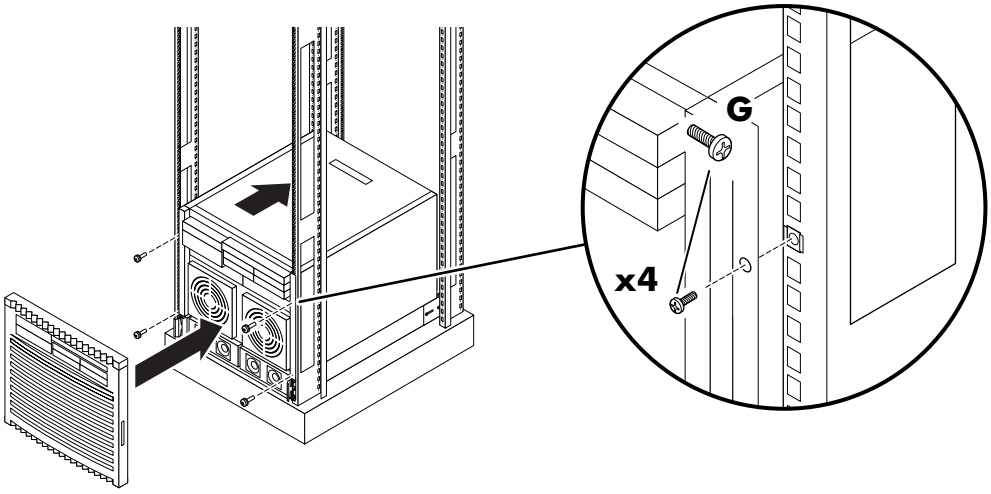


Attach screws to left rear column.

Extend CMA to left rear side of product, attach to studs and secure with nuts.

Slip CMA over screws and tighten.

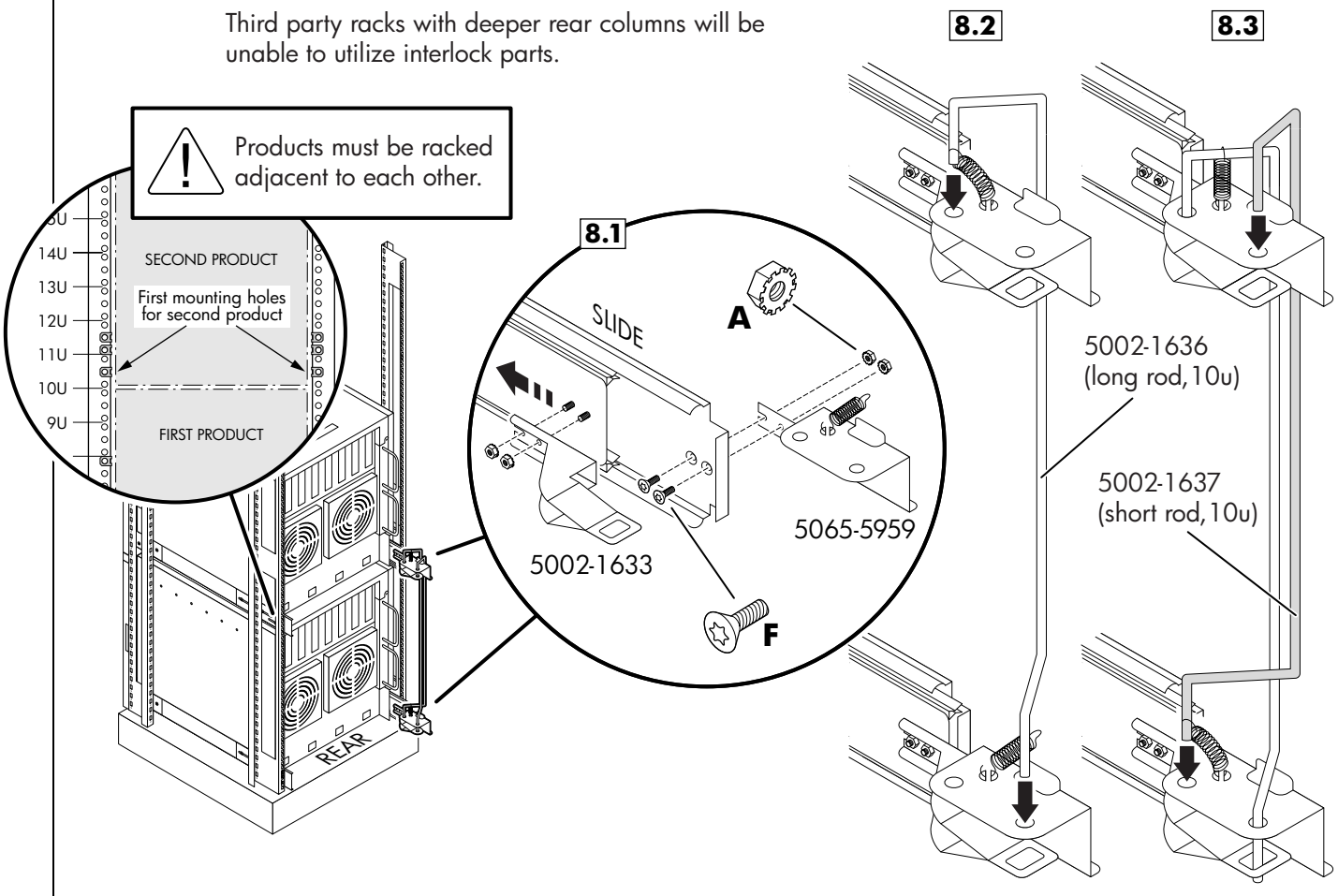
7



8

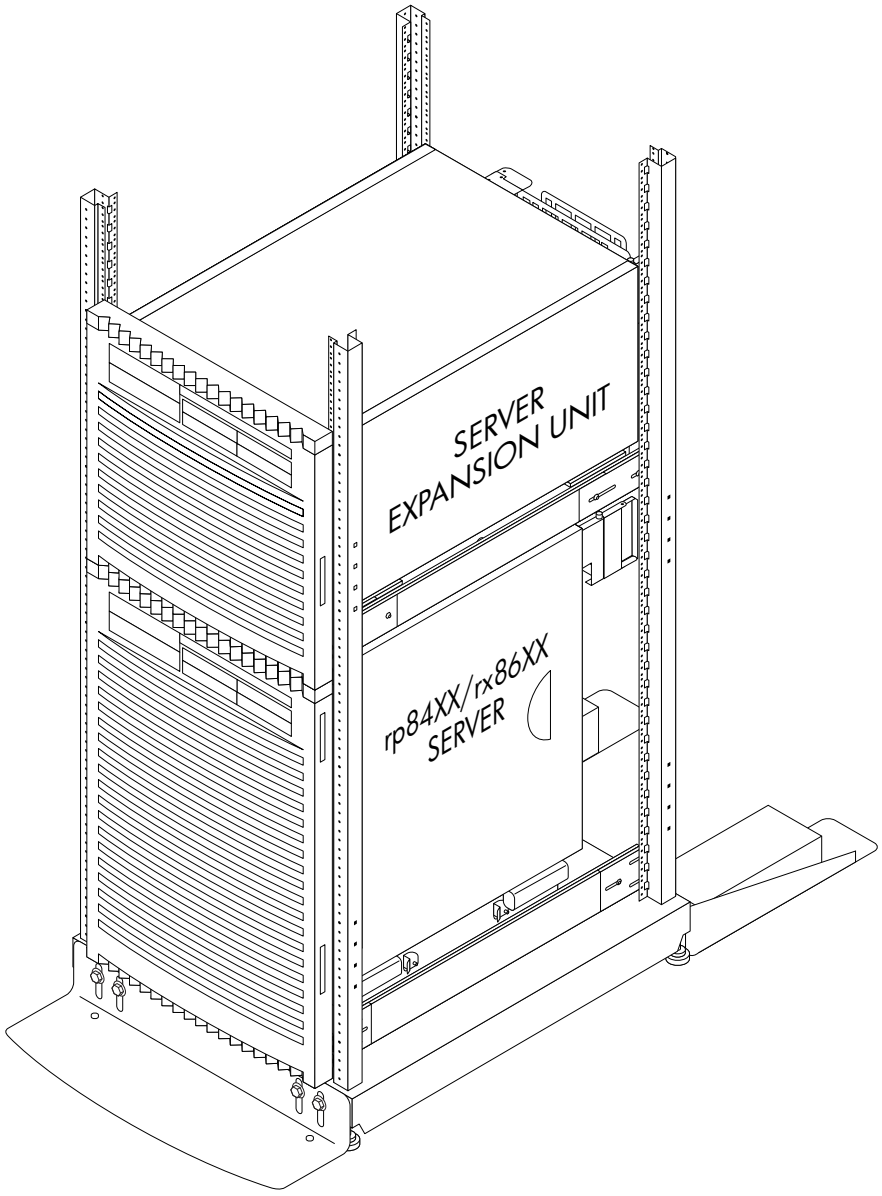
NOTE: The interlock device is required when two products are in the same rack.

Third party racks with deeper rear columns will be unable to utilize interlock parts.



If four products are installed, two interlock devices are needed, with one connected to the bottom two products and the other connected to the top two products.

Installation of Server Expansion Unit (SEU)

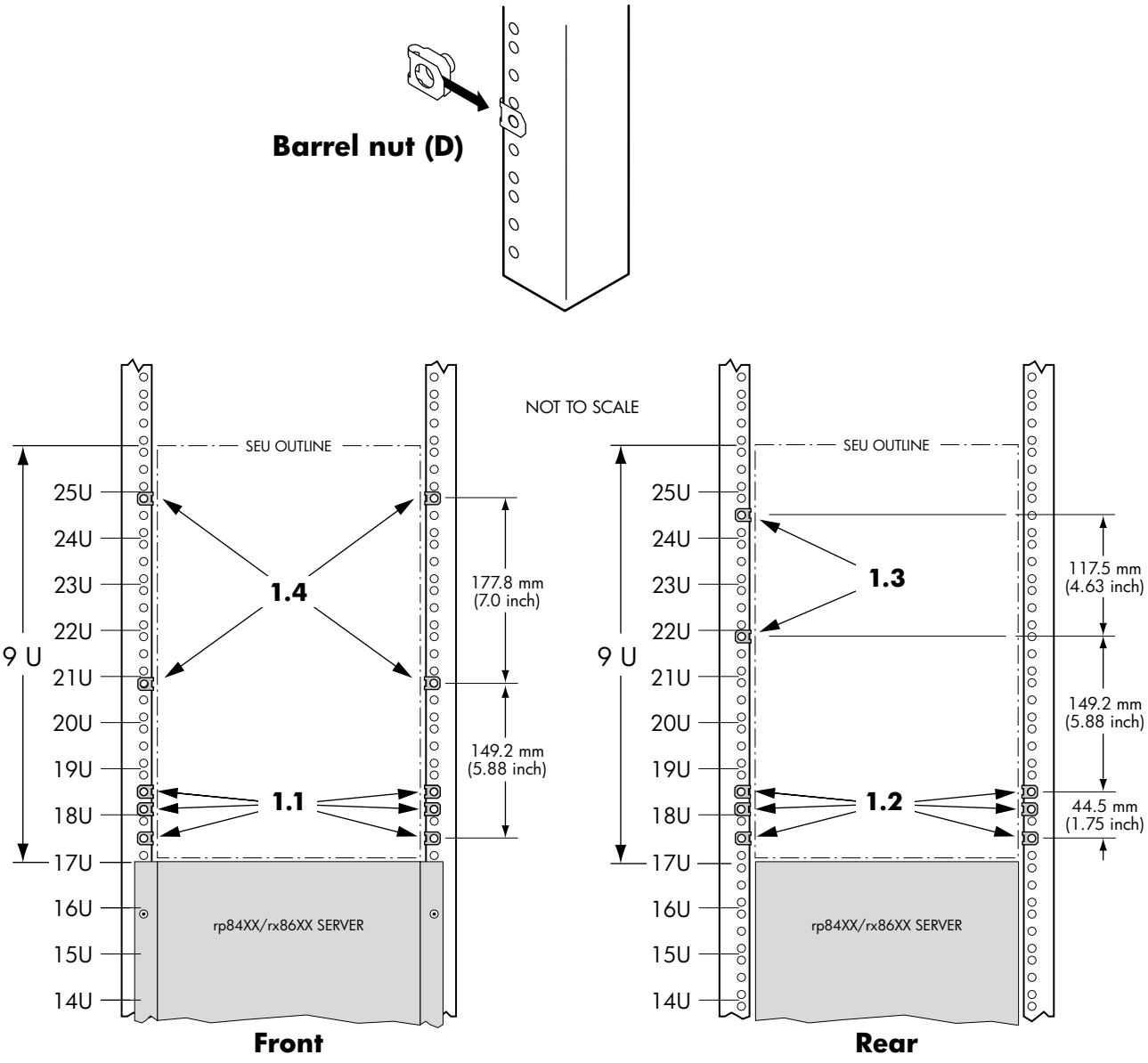


The Server Expansion Unit can only be used with the rp84XX/rx86XX server.

Barrel Nut Placement

1

Attach barrel nuts to the front and rear columns as shown in the diagram below.



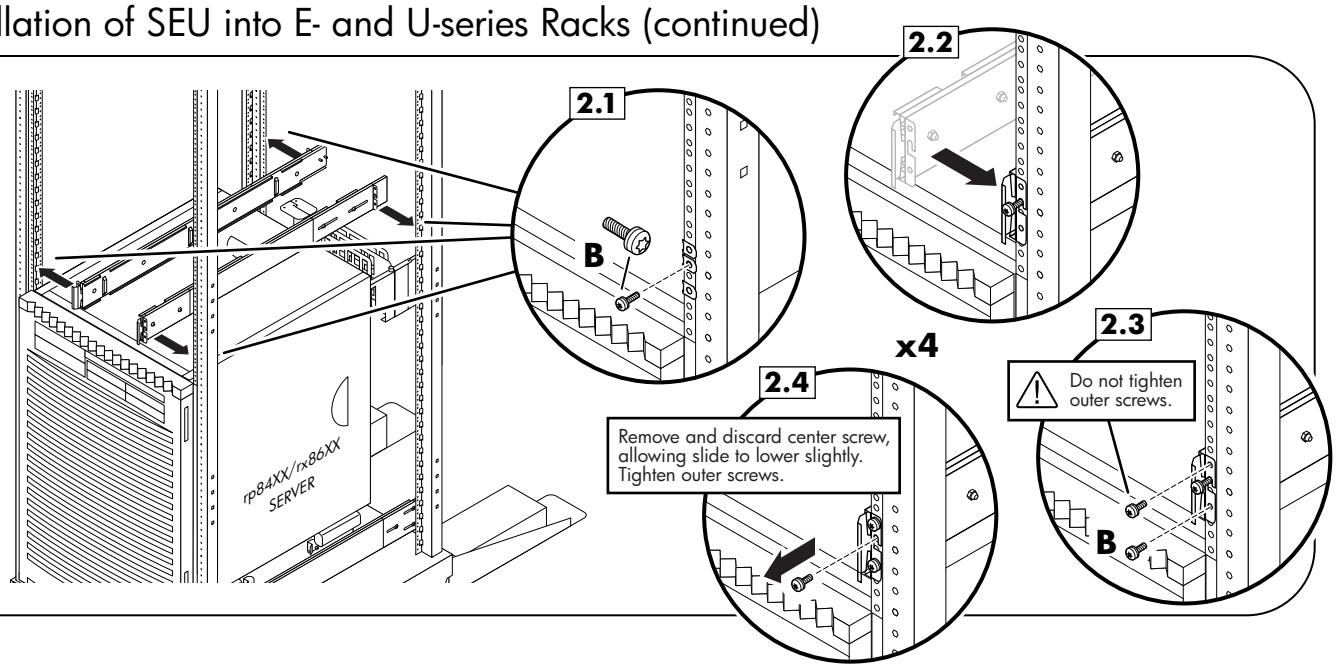
1.1 Positions for mounting front of slides (see step 2)

1.2 Positions for mounting rear of slides (see step 2)

1.3 Positions for mounting CMA (see step 5)

1.4 Positions for mounting product (see step 6)

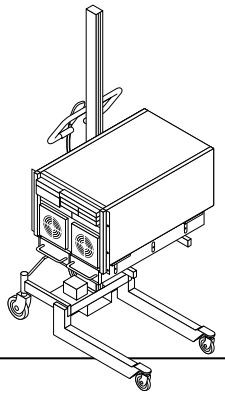
2

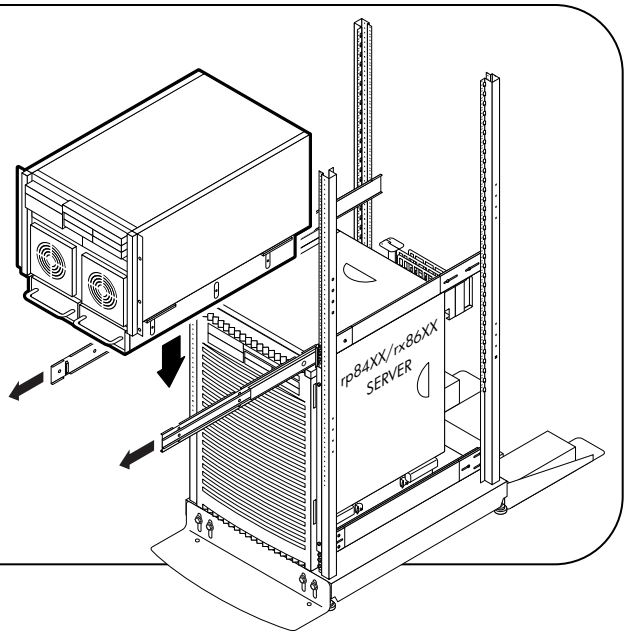


3

CAUTION Unpack the server in an ESD safe environment. Observe all ESD safety precautions before attempting this procedure. Failure to follow ESD safety precautions could result in damage to the server.

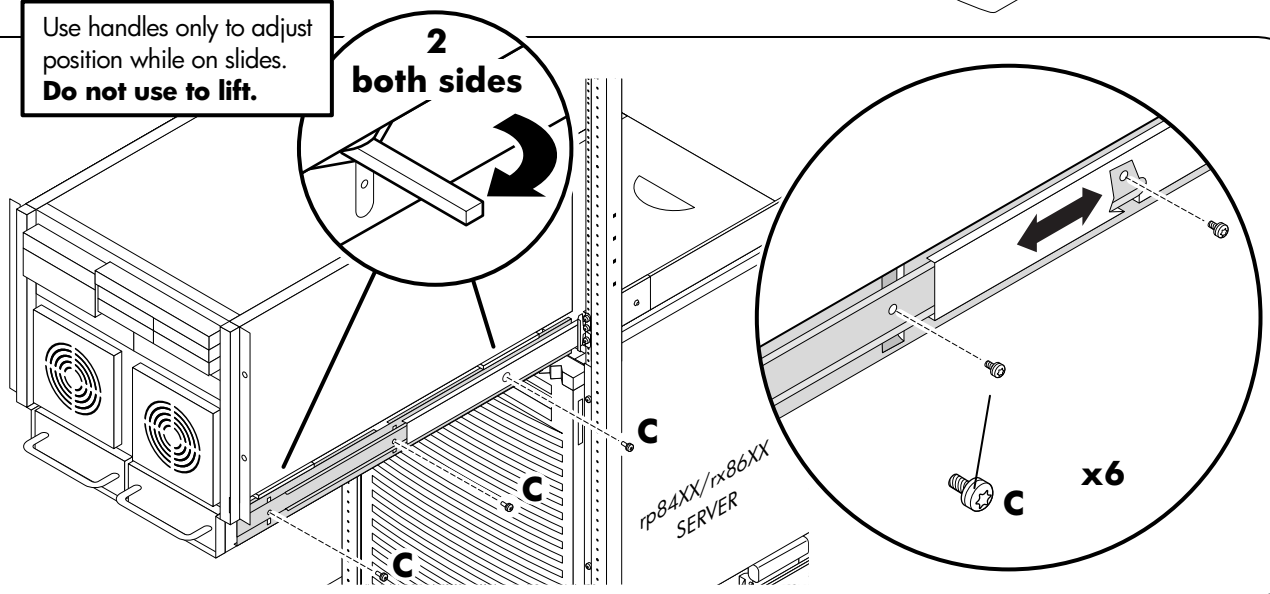
The weight of this product requires an HP approved lift to install.



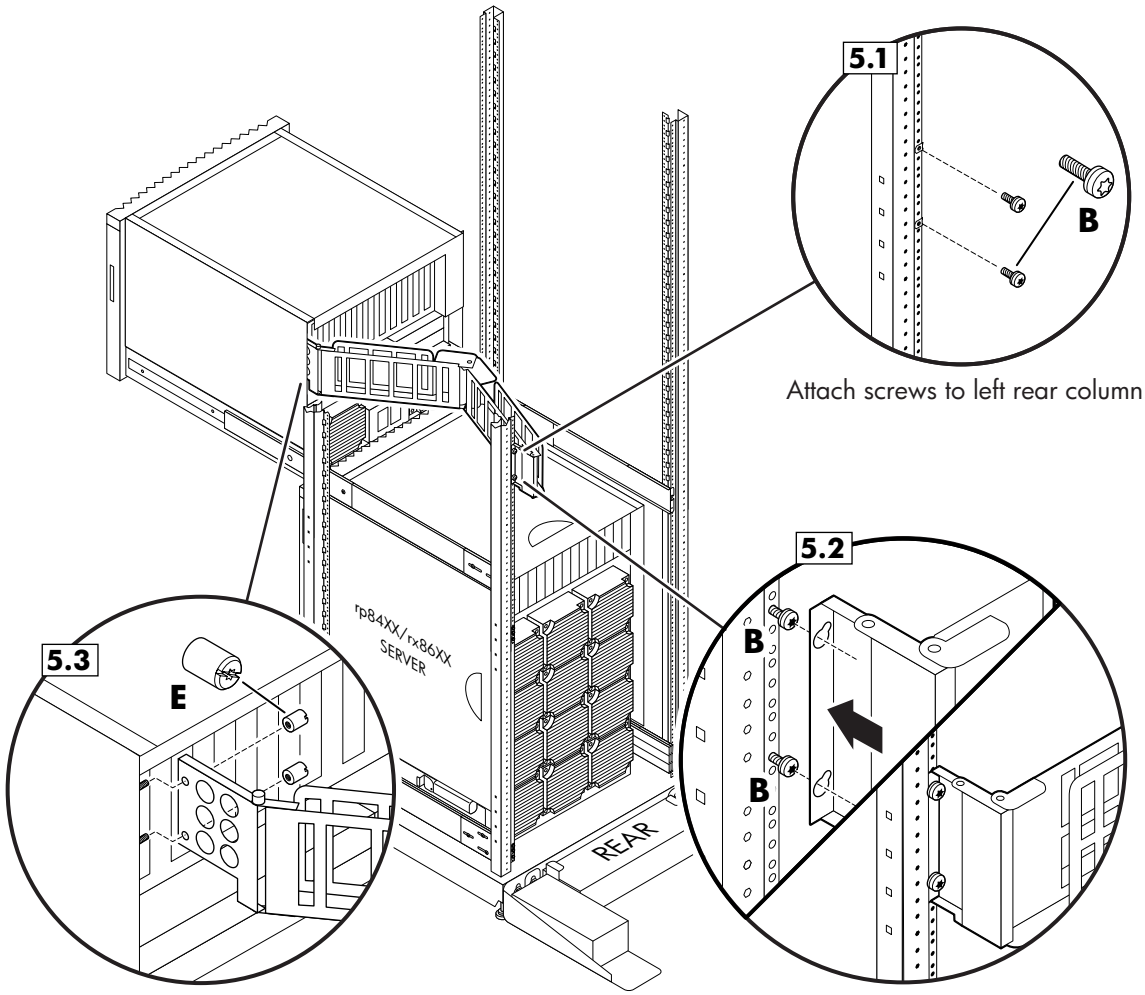


4

Use handles only to adjust position while on slides. **Do not use to lift.**



5

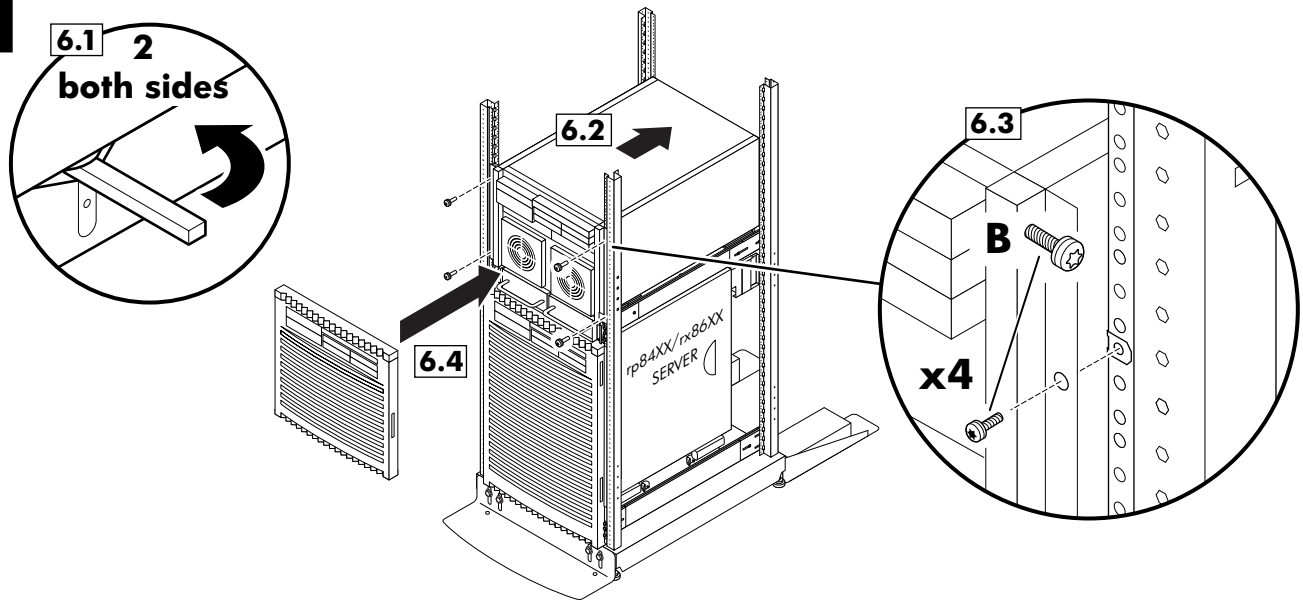


Attach screws to left rear column.

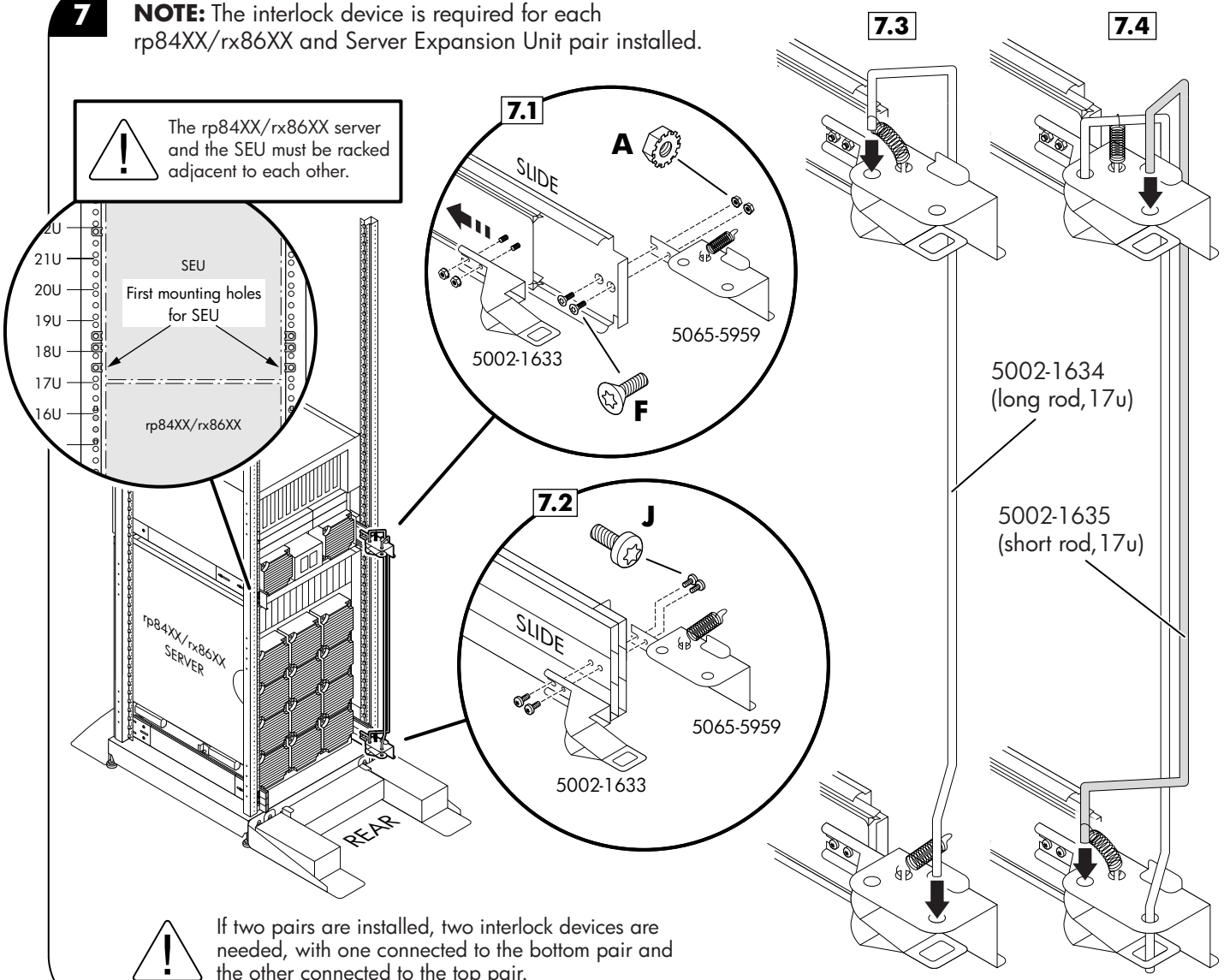
Extend CMA to left rear side of product, attach to studs and secure with nuts.

Slip CMA over screws and tighten.

6

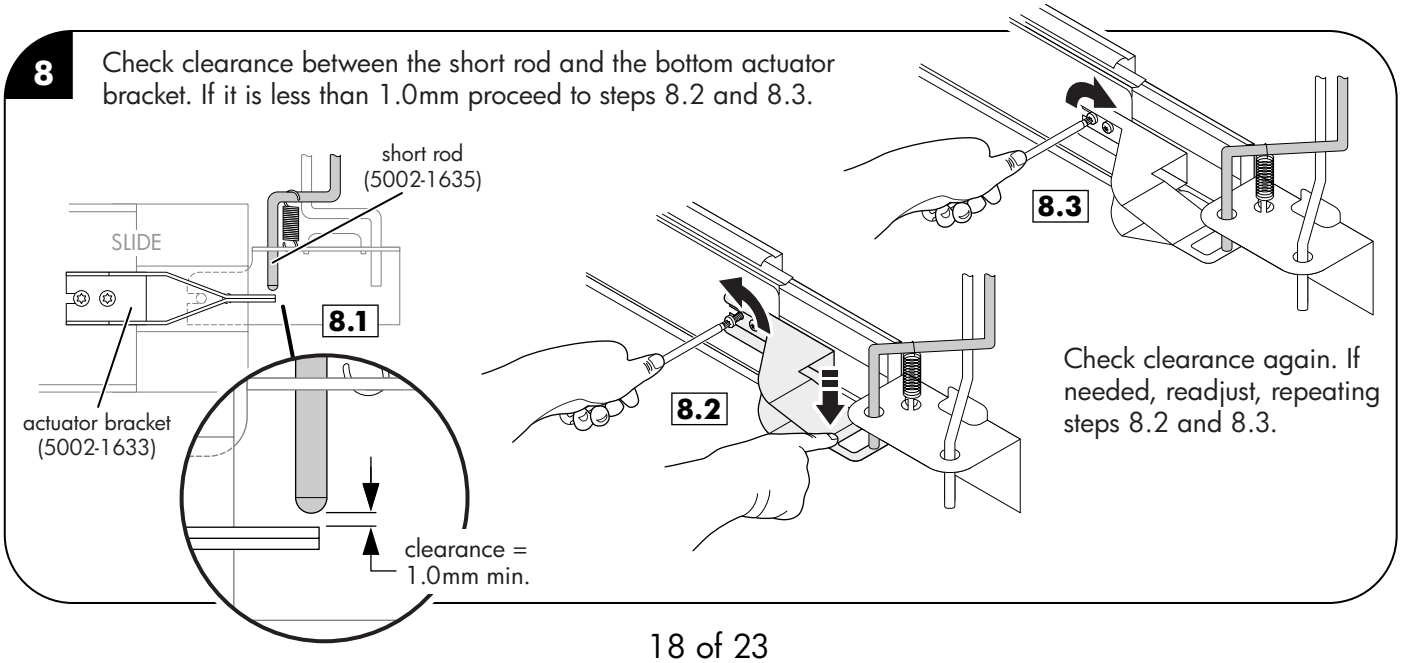


7 **NOTE:** The interlock device is required for each rp84XX/rx86XX and Server Expansion Unit pair installed.



If two pairs are installed, two interlock devices are needed, with one connected to the bottom pair and the other connected to the top pair.

8 Check clearance between the short rod and the bottom actuator bracket. If it is less than 1.0mm proceed to steps 8.2 and 8.3.



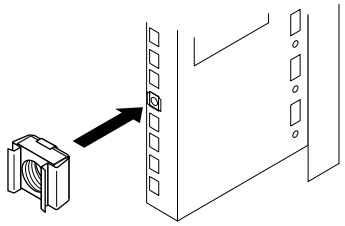
Check clearance again. If needed, readjust, repeating steps 8.2 and 8.3.

Installation of Server Expansion Unit (SEU) into Non-HP Racks*

Cage Nut Placement

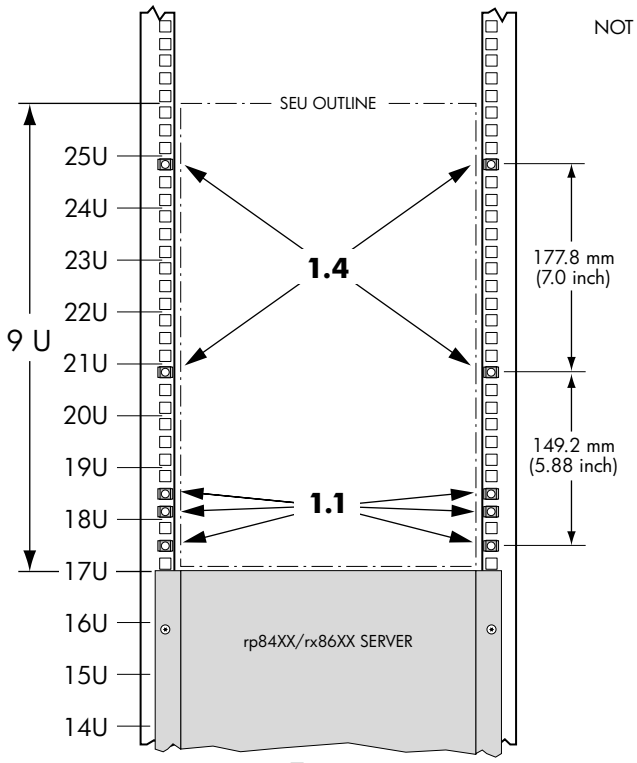
1

Attach cage nuts to the front and rear columns as shown in the diagram below.

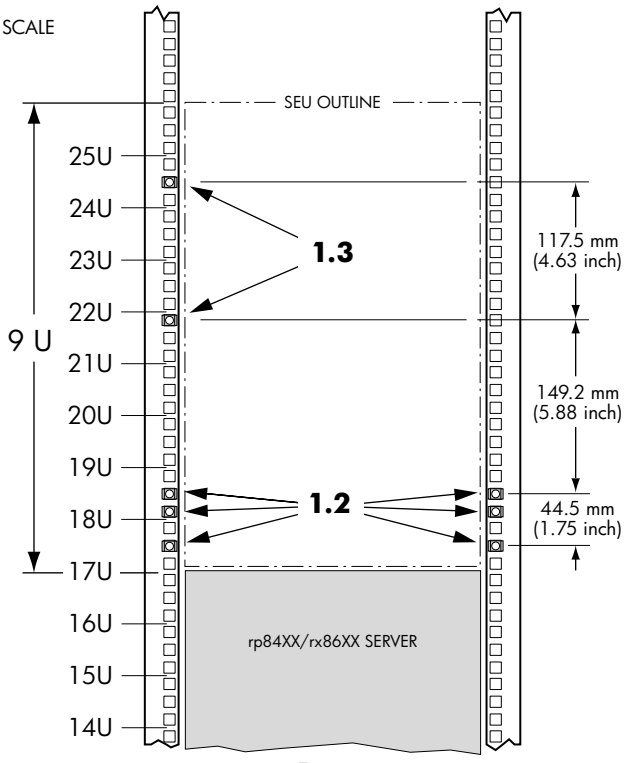


Cage nut (H)

NOT TO SCALE



Front



Rear

1.1 Positions for mounting front of slides (see step 2)

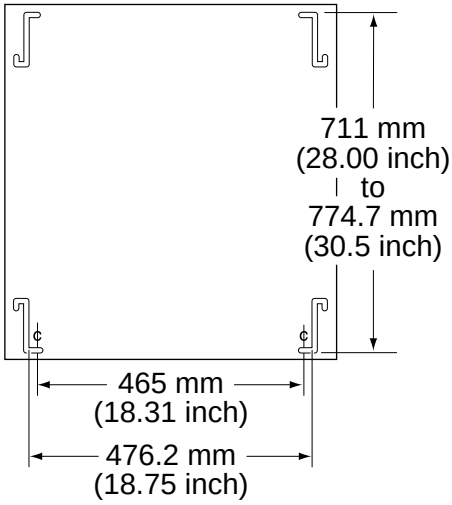
1.2 Positions for mounting rear of slides (see step 2)

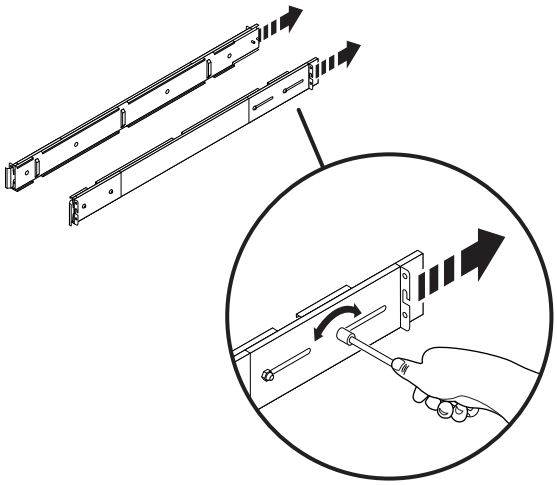
1.3 Positions for mounting CMA (see step 6)

1.4 Positions for mounting product (see step 7)

* Columns may vary from manufacturer to manufacturer.

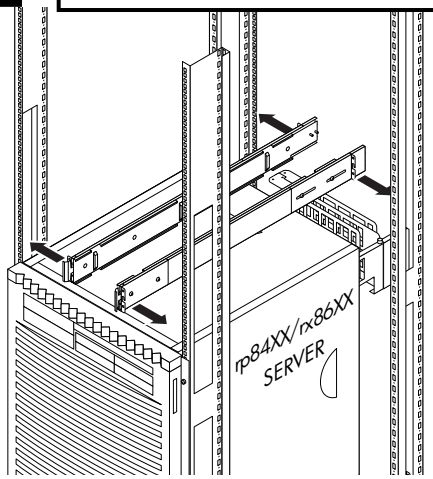
2

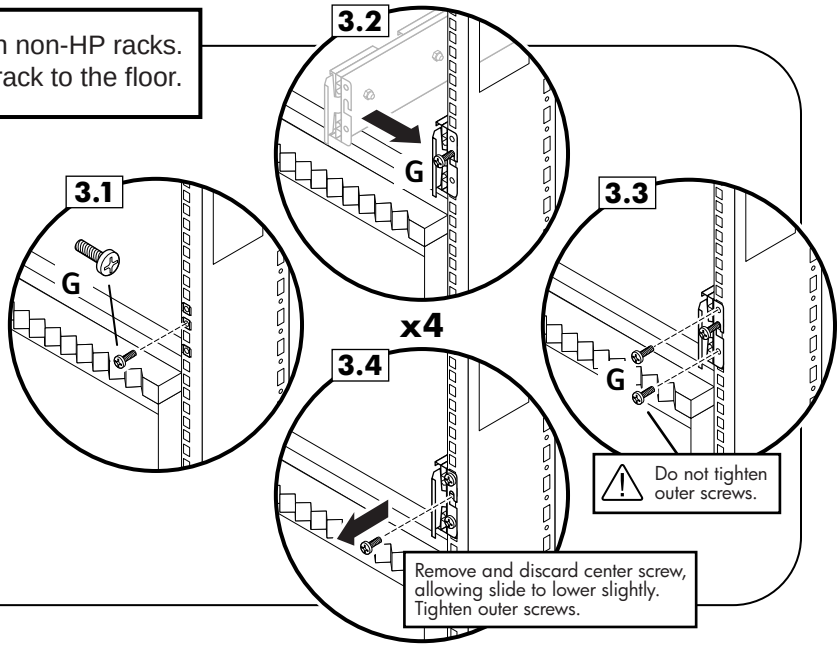




3

HP Ballast is not compatible with non-HP racks. Customers will need to bolt the rack to the floor.

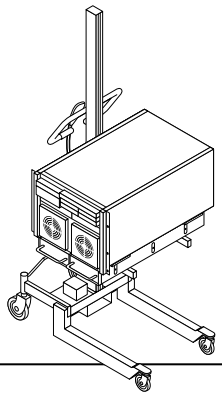


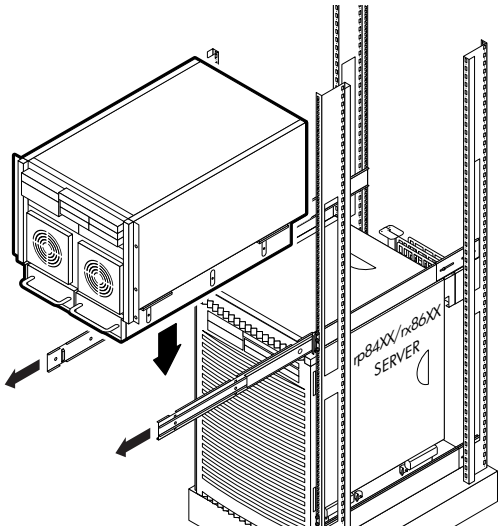


4

CAUTION Unpack the server in an ESD safe environment. Observe all ESD safety precautions before attempting this procedure. Failure to follow ESD safety precautions could result in damage to the server.

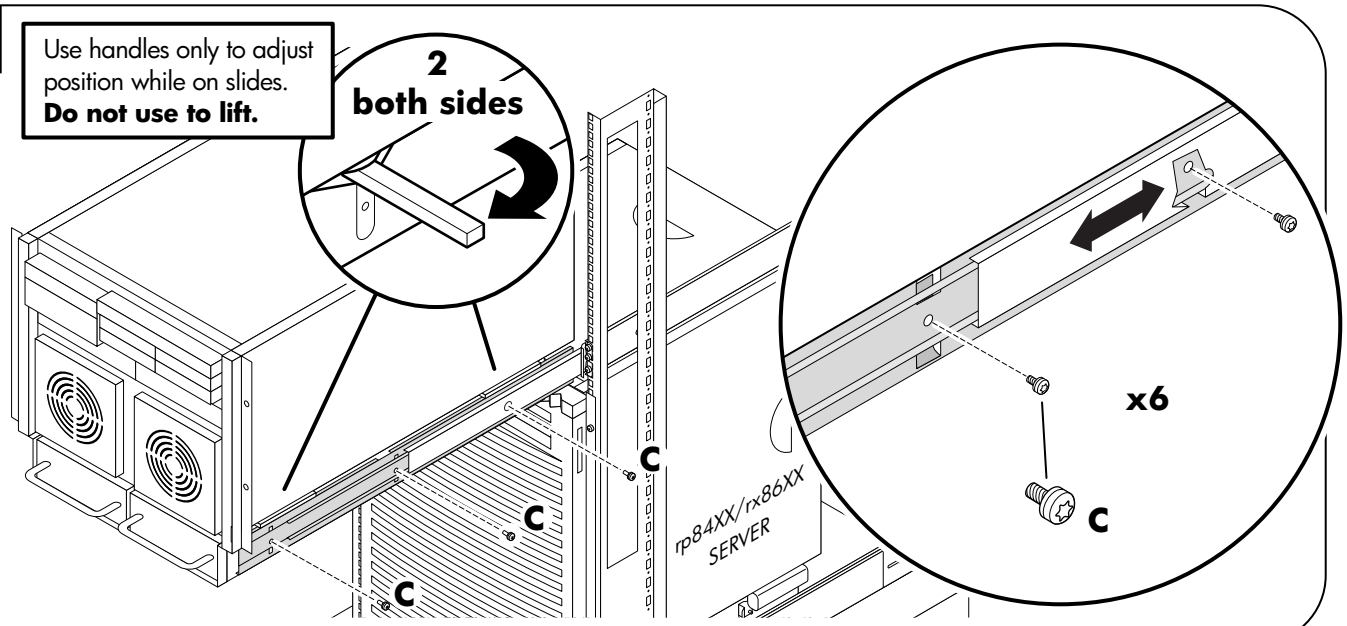
The weight of this product requires an HP approved lift to install.



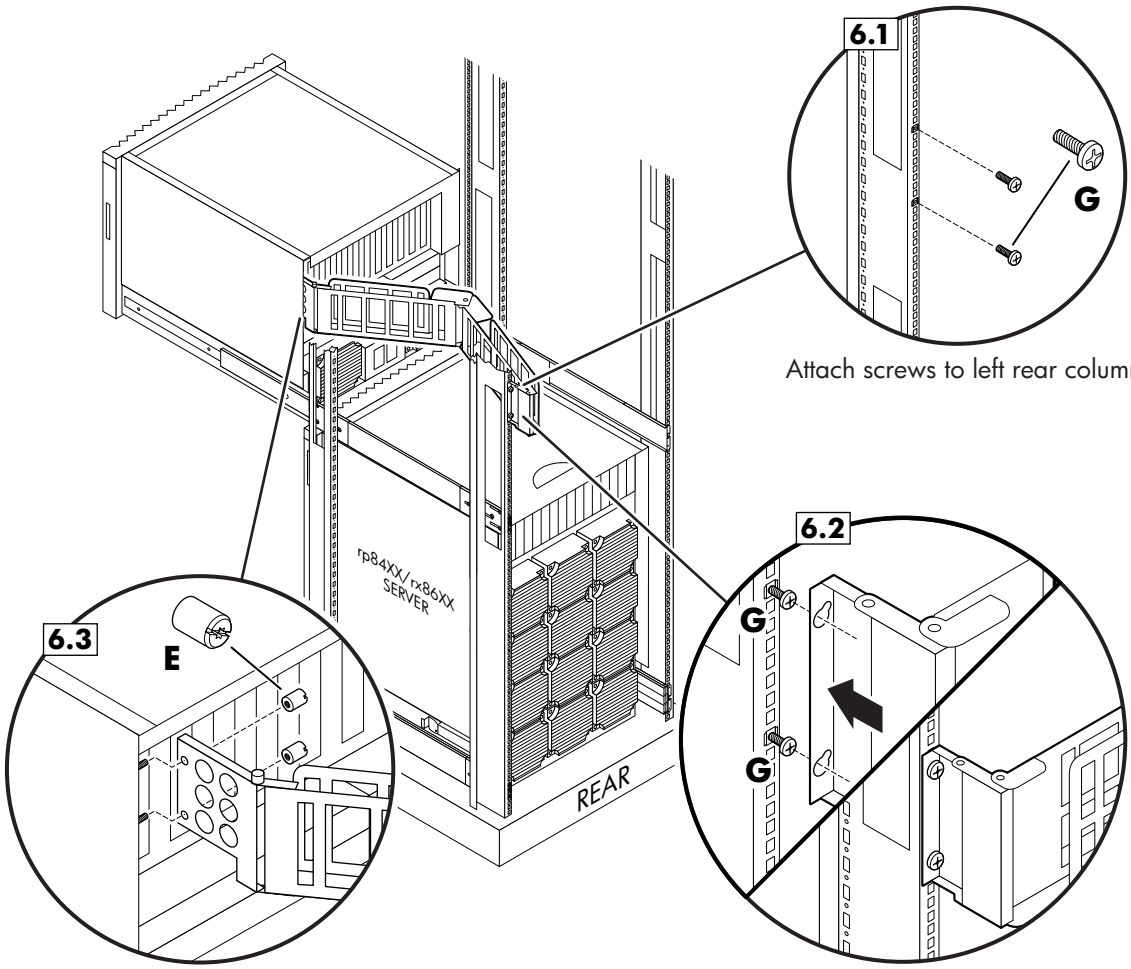


5

Use handles only to adjust position while on slides.
Do not use to lift.



6

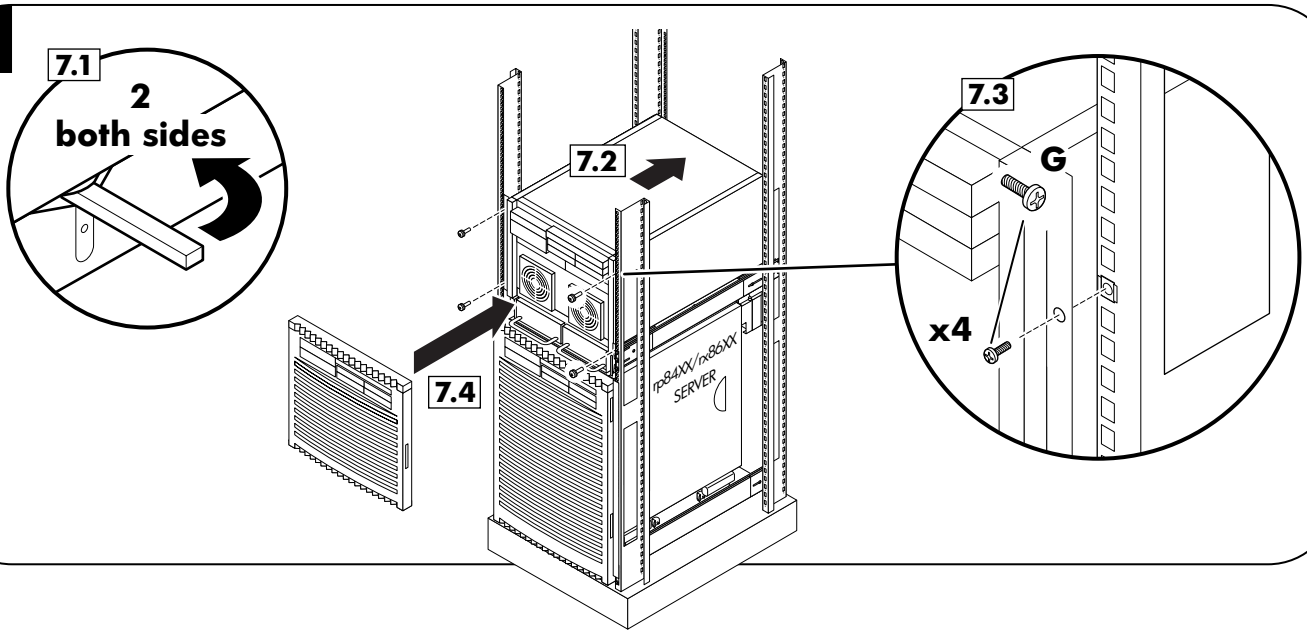


Attach screws to left rear column.

Extend CMA to left rear side of product, attach to studs and secure with nuts.

Slip CMA over screws and tighten.

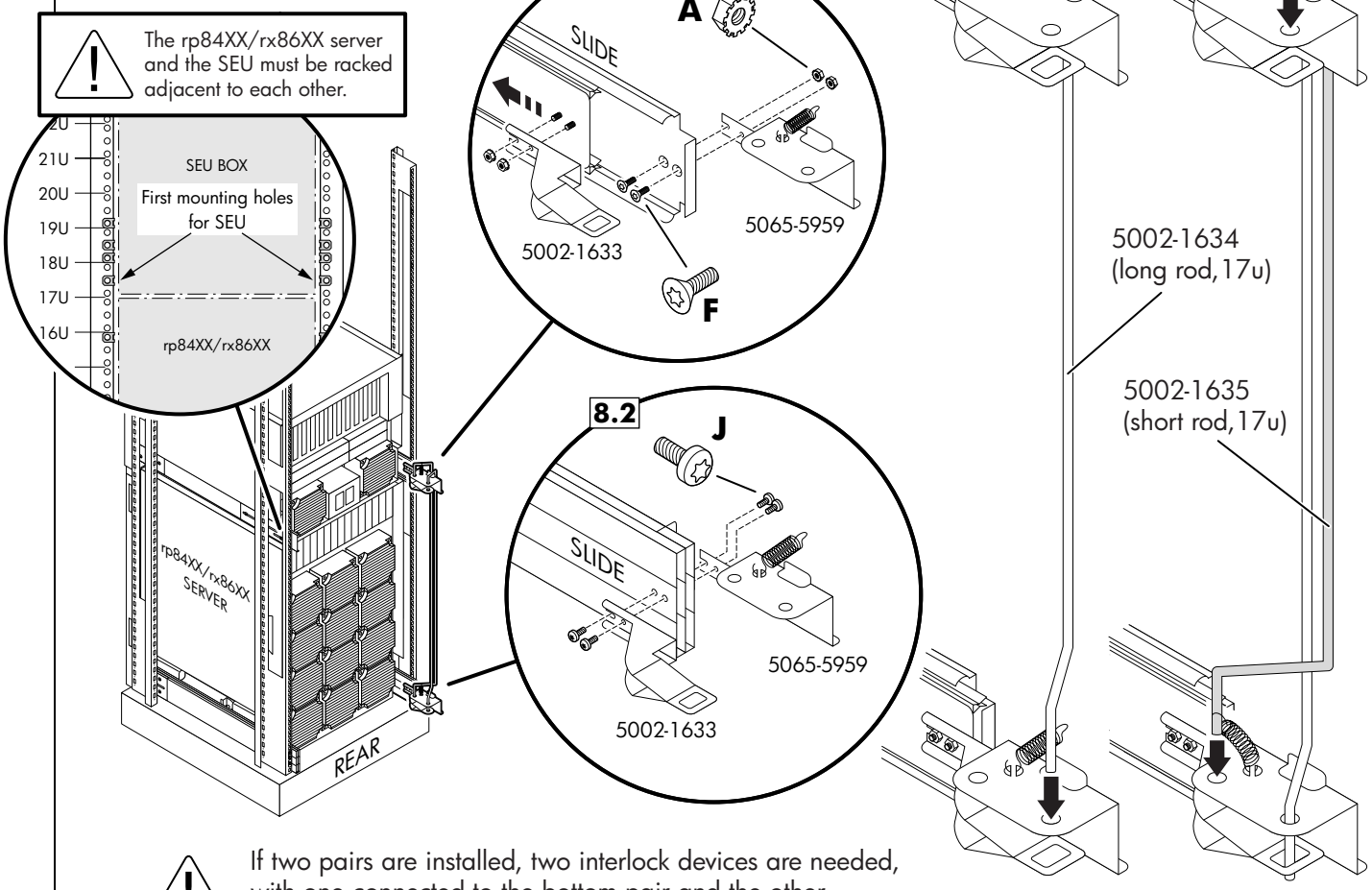
7



8

NOTE: The interlock device is required for each rp84XX/rx86XX and server expansion unit pair installed.

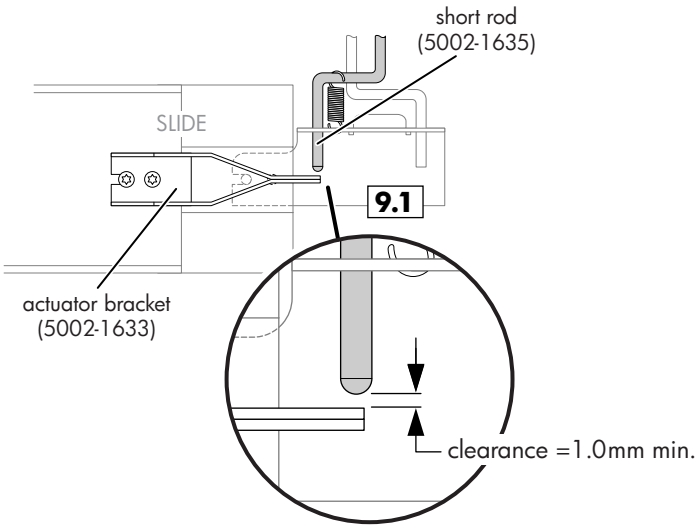
Third party racks with deeper rear columns will be unable to utilize interlock parts.

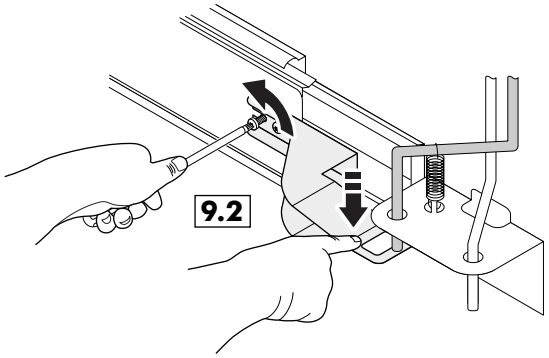


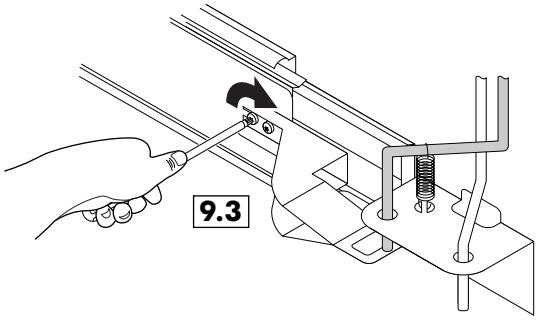
If two pairs are installed, two interlock devices are needed, with one connected to the bottom pair and the other connected to the top pair.

9

Check clearance between the short rod and the bottom actuator bracket. If it is less than 1.0mm proceed to steps 9.2 and 9.3.







Check clearance again. If needed, readjust, repeating steps 9.2 and 9.3.

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