READ ALL OF THE FOLLOWING INSTRUCTIONS BEFORE REMOVING CABINET FROM SKID
NOTE - Some views in this document may vary slightly from your actual cabinet configuration.
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Before removal of packaging material:
Check tip indicator on the outside of cabinet to ensure cabinet was shipped in the upright position.

**Packing Material Removal**

After removing stretch wrap and outer cardboard shell, remove the four (4) lag bolts that hold the cabinet to the pallet using a 7/16" (11mm) socket. (As Shown)

**Note:** Doors and Side panels are removed for clarity. See pages 12 thru 17 for door removal and pages 19 and 20 for side panel removal.

Using two people, lift the cabinet off of the skid. Use the J-Hooks as handles.

If cabinet has side panels, remove side panels for easier removal of the cabinet from skid.
Shipping Bracket Removal
There are two (2) bracket used for shipment of the Front door and four (4) brackets for shipment of side panels. Remove brackets prior to use of the cabinet see below.
**Leveling**

Once the leveling legs are fully retracted use two people to slide the cabinet into the desired location. Lower the leveling legs using a 3/8” (10mm) deep well socket, until the cabinet weight is fully supported. Use a bubble level placed on the base rails in the locations shown to adjust legs until the cabinet is level. For ganged cabinet applications, ensure that adjacent cabinets are adjusted to the same height, parallel with each other, and no gaps at the top or bottom between cabinets.

**Front-to-Back Cabinet Leveling**

![Front-to-Back Cabinet Leveling Diagram]

**Side-to-Side Cabinet Leveling**

![Side-to-Side Cabinet Leveling Diagram]

**Note:** The maximum weight load of the cabinet is 2500 pounds (1134 kg). The weight load should be evenly distributed across the height of the cabinet, with the heaviest components mounted at the bottom of the cabinet.
**Floor Mounting (Server Cabinet)**

*NetAccess* Server Cabinets, whether stand alone or ganged with other cabinets, must always be anchored to the floor. You can anchor the leveling feet on access floor and slab installations, or anchor the frame, without leveling feet, directly to the concrete slab.

**Assembly Sequence**
1. Install the floor anchors from inside the cabinet frame, capturing each of the four leveling feet.
2. Attach the anchors to the floor with appropriate hardware for your type of floor.

**Note:** If not using the anchoring brackets, use four (4) bolts to attach the cabinet frame directly to the floor.

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**Floor Anchoring Footprint**

**Floor Anchor Assembly**

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**Direct Floor Mounting Footprint**
J-Hook Removal (Optional)
J-hooks provide support the side panel and can be used for moving the cabinet. For ganged cabinet applications, the J-Hooks can be removed to provide greater access between cabinets. The J-Hooks can be removed by removing the two screws mounted to the cabinet rail.
Ganging

**IMPORTANT:**
If side panels are going to be used between cabinets, install (if needed) prior to ganging cabinets as shown on pages 16-17. If switch air ducting (CNAE series) will be used with side panel between ganged cabinets, install both ducting and side panels prior to ganging.

**IMPORTANT:**
Ensure cabinets are level by following the guidelines on page 6. Leveling the cabinet prior to ganging is important to ensure proper door operation.

Secure the top of the cabinets with two (2) top ganging brackets and four (4) #12-24 trilobular screws in the locations shown.

**Top Mounting Location**

**Bottom Mounting Location**

Ensure the door shoes of adjacent cabinet are touching. Secure the bottom of the cabinets with two (2) bottom ganging brackets and four (4) #12-24 trilobular screws in the locations shown.
Grounding
The Grounding locations for connection to the CBN (Common Bonding Network) are as shown. Remove masking from desired grounding location. Use PANDUIT RGEJ series equipment jumper CBN connection.

Grounding Lug Location

Grounding Bar Location
(PANDUIT RGRB series)
Equipment Rail Adjustment
All four rails are fully adjustable. To change depth, loosen three (3) 5/16 x 3/4” mounting bolts using a 1/2” (13mm) socket and slide to desired position. Retighten the mounting bolts to 14ft.-lbs (19.0 N-m). Proper torque ensures equipment rails are bonded to the cabinet frame.
Cable Management Installation

Included in the cabinet are cable management fingers sections. Cable management fingers can be installed where desired by inserting the tabs on the rear of the finger sections in the mounting slots slot located on the cabinet posts and sliding downward. To remove reverse the process.

Note: The top mounting tab and mounting slot are keyed to allow proper alignment with rack units

![Diagram of Cable Management Fingers and Mounting Slots]

Note:
Short cable management finger sections are to be installed at bottom of Net-Access cabinet frame.

Overhead Cable Openings

Cabinet is equipped with multiple covers and knockouts for cable entry. The center top plate can be removed by removing the four (4) #12-24 screws that hold it in place. Knockouts can be removed by cutting the (8) tabs with a wire cutter as shown. Bezels are to be snapped into position where knockouts have been removed, as shown below. The removable covers can be snapped into overhead cable opening bezels. Grommet edging is provided and is to be used around any knockouts that are removed where bezels and removable covers are not installed. Grommet edging should be cut to 21” in length to cover the edges of each removed knockout.

![Diagram of Overhead Cable Openings and Covers]
**Cabinet Sealing (Floor Sealing)**

**NOTE:** Adhesive floor seals are only to be applied to cabinet configurations without casters. Apply adhesive floor seals to base of cabinet frame as indicated below.

**NOTE -** Once bottom seals are installed, DO NOT move cabinet unless it is raised at least 1-1/4" on levelers to prevent damage to seals. (See page 6)

**SERVER CABINET ONLY**
1.0 x 1.0 - 32" L
(attach to bottom of cabinet cross beam)

**FRONT OF CABINET**

**SWITCH CABINET ONLY**
1.0 x 1.0 - 23" L
(attach to bottom of cabinet cross beam)
_Cut to length_

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**Cabinet Sealing (Top Cap Sealing)**

**GANGED CABINET SEALS**

Attach adhesive seal [2.0” x 1.0”] cut to 40” length between top caps of adjacent cabinets. Orient seal so that adhesive surface is facing up. Depending on the spacing of adjacent cabinets, it may be necessary to compress foam to allow seal to fit.

**Adhesive Surface of Seal Foam (face up)**

**2.0” x 1.0” - 40” L**
Adhesive Seal
_Cut to length_
**Split Door Installation**

Lift split-door and align fixed hinge pin with the bushing in the bottom door support. Swinging door up, pull down the lever of the spring loaded hinge pin and align pin with the bushing in the top cap. Release lever when aligned. To remove the doors reverse steps.

**Note:** Split doors are bonded to the cabinet through the door hinge pin and bottom bushing.
Door Adjustment
The cabinet is equipped with a bottom door shoe lift bushing. The purpose of this lift bushing is to provide vertical adjustment within a cabinet's door frame and enable cabinet doors to be adjusted for a consistent fit and function.

The door shoe lift bushing allows field adjustments on the cabinet doors. Loosing the set screw and raising the lift screw, which lifts the door, adjusting the door's fit within a cabinet's door frame.

Door adjusted by lift bushing maintaining consistent top gaps

Corrected door fit by adjusting opposite side lift screw. Re-tighten set screws when desired fit is achieved

Unleveled cabinet causing insufficient gap between door and door shoe, resulting in rubbing or interference with bottom door shoe
Side Panel Installation

Install the four (4) spring clips by removing masking from area as shown. Slide spring clip in place until it clips into pilot hole. The spring clips bond the side panel to the cabinet frame. Install side panel as shown on the next page.

Install the mid-level center support bracket using four (4) #12-24 screws and two (2) #12 external tooth lock washers as shown. The lock washers bond the bracket to the cabinet frame.

Install the lower-level center support brace using two (2) #12-24 screws and two (2) #12 external tooth lock washers as shown. Adjust brace to support the bottom tube support bar assembly as needed. The lock washer bond the bracket to the cabinet.

Install the bottom tube support bar assembly using four (4) #12-24 screws and two (2) #12 external tooth lock washers as shown. Adjust assembly as needed to fit side panel squarely in place with cabinet opening. Check around side panel edge for gap consistency. The lock washer bond the bracket to the cabinet.
**Side Panel Installation**

Lift up side panel until mounting hooks are resting on the support tube assembly. Rotate panel into place with latches open and close latches. Adjust latch grip range if necessary. To remove reverse steps. If side panels are going to be used between cabinets, install (if needed) prior to ganging cabinets. If switch air ducting (CNAE series) will be used with side panels between ganged cabinets, install both ducting and side panels prior to ganging.

**Note:** The side panel is bonded the cabinet at the interface between the spring clips on the top cap and the side panel masked area. If a side panel is moved to a different cabinet, the masking should be removed from the cabinet top cap and hardware should be moved as shown on page 18.
Dual Hinge Door Installation and Removal (Switch Cabinet)

To install, lift door and insert lower hinge pin into the bushing in the bottom door support. Orient the door so the top hinge pin is near the top cabinet bushing. Using a pinching action, pull the red finger handle over and down to retract the hinge pin. Release the red finger handle when aligned with the top bushing. To remove, support the door on the open side with one hand while retracting the hinge pin with the other hand as described above.

Note: For cleaning PANDUIT recommends using ‘SIMPLE GREEN’ all purpose cleaner (or local equivalent) and a lint free cloth.
Dual Hinge Door Usage (Switch Cabinet)
The dual hinge door has the unique ability to open on either the left or the right side. This allows full access to either side of the cabinet. For safety, the dual hinge door features an interlock system that prevents handles from turning when either side is open. To close a handle that is locked open, press the spring-loaded levers in the top and the bottom corners of the door and turn the handle simultaneously.

Note: Depress levers simultaneously to disengage handle interlock.

Fascia Installation
Remove 3 keyed knockouts and secure the fascia with the 3 screws provided

Important:
Note: Do not over tighten. Maximum torque applied should be 20in.-lbs (2.26 N-m).
Single Hinge Door Installation (Server Cabinet)

Lift door and align lower hinge pin with the bushing in the bottom door support. Swinging door up, pull down the lever of the spring loaded hinge pin and align pin with the bushing in the top cap. Release lever when aligned. To remove the doors reverse steps.

Note: Make sure that the top pin is fully engaged when installed.

Note: For cleaning PANDUIT recommends using ‘SIMPLE GREEN’ all purpose cleaner (or local equivalent) and a lint free cloth.
Single Hinge Door Hinge Direction Reversal (Server Cabinet)
Remove the two (2) hinge pins as shown in the figure below. Reinstall on the opposite corner by reversing the steps below.

Remove door handle and filler plates
(See next page for door handle removal instructions)
Single Hinge Door Handle Direction Reversal (Server Cabinet)
The door handle and latch plate must be switched when reversing the door

Remove Door Handle

Depress two (2) spring-loaded tabs to remove handle from Single Hinge Door as shown.

Rotate Cam Stop 90 degrees counterclockwise.
Rotate Cam 180 degrees counterclockwise.
Reinstall Screw.

Remove Screw, Cam and Cam Stop

Cam Stop
Cam

Reinstall latch and filler plates as shown below

Remove two bolts shown below with a 3/8” socket and reinstall bracket on opposite side

Bracket
Bolts
**Vertical Blanking Panels (Switch Cabinet)**

Before adjusting vertical blanking panels, level and set cabinet at desired height *(see page 3)*. Loosen [2] #12-24 hex head screws using a 5/16” socket to lower bottom seal bracket to floor. Tighten [2] #12-24 hex head screws and create a slit in rubber flap seal to allow the lower tube support for side panel to pass through seal.

**NOTE:** If Side Panel is to be used, it is necessary to remove end of Bottom Blanking Panel. End can be broken off or cut using wire cutters.
**Vertical Blanking Panels (Switch Cabinet)**

**Adjust Bottom Seal Bracket**
Before adjusting vertical blanking panels, level and set cabinet at desired height. Loosen [2] #12-24 hex head screws using a 5/16” socket to lower bottom seal bracket to floor. Tighten [2] #12-24 hex head screws and if cabinet side panel is to be used, create a slit in rubber flap seal to allow the lower tube support for side panel to pass through seal. Optional seals are only to be installed on bottom blanking plates when casters are installed on Net-Access cabinet.

**Adjust Center Blanking Plates**
If side panels are to be used, it is necessary for Center Blanking Plates to be positioned with tabs of center blanking plates slotted all the way towards center of cabinet. This allows for proper fit and sealing of side panel to cabinet. When cabinet is ganged to adjacent cabinet, Center Blanking Plates on both cabinets must be slotted to the outward limit. This allows for full vertical sealing between cabinets. Loosen [2] #12-24 hex head screws to adjust position of Center Blanking Plates.

**Optional Cool Boot Installation (RFG3DSMY)**
Remove cable pass-through cover and bulb seal from desired Cool Boot mounting location on Vertical Blanking Panel. Attach optional RFG3DSM Cool Boot to front side of Vertical Blanking Panel (textured side of flap seal MUST face front of cabinet to allow proper fit of Cool Boot) with [4] #10-32 Fillister Screws included in hardware kit of cabinet configurations with switch blanking panels.
Vertical Blanking Panels (Switch Cabinet)

Ganged Cabinet Top Blanking Panel Installation


Ganged Cabinet Top Blanking Panel

(See detailed view for installation instructions)

Top and Bottom Rack Space Blanking Panel Installation


Install [2] clip nuts each on top blanking panel and bottom blanking panel, with thread-catching feature of clip nuts facing inside the cabinet.

Top blanking panel is distinguished from bottom blanking panel by locating tabs positioned at the ends of the panel.

Position top blanking panel so that clamping features at the ends of the panel fit over the equipment rails as shown. Clamp top blanking panel into place with [2] #6-32 screws. Tighten screws to 5 inch-pounds.

Position bottom blanking panel so that clamping features at the ends of the panel fit over the equipment rails and panel sits on bottom cross beam as shown. Clamp bottom blanking panel into place with [2] #6-32 screws. Tighten screws to 5 inch-pounds.

For Technical Support: www.panduit.com/resources/install_maintain.asp
Blanking Panels (Server Cabinet)
Blank must be cut out from vertical blanking panel on side where door catch is installed. Use wire cutters to remove blank as shown below. Install 4” long flap seal on blank of opposite vertical blanking panel.

NOTE - Views below show door catch installed for right-side handle orientation of door. Reverse steps when single-hinge door is configured for left-side handle orientation.

Insert (2) 1” cap plugs into floor mounting access holes of bottom horizontal blanking panel as shown at the bottom of this page.
Blanking Panels (Server Cabinet)

Loosen four (4) #12-24 screws connecting vertical panel with horizontal panel, (2) at the top and (2) at the bottom corner.

Loosen four (4) #12-24 serrated bonding screws connecting vertical blanking panel with equipment rail.

Install six (6) clip nuts on offset flange facing in towards the cabinet.

Loosely Mount six (6) #6-32 screws through adjacent vertical blanking panel to clip nuts as shown. Adjust location of clip nuts if needed.

Before tightening any blanking panel mounting hardware, ensure that all blanking panel components are not strained and the mounting distance between equipment rails is EIA spaced (18.31”).

Tighten #12-24 screws to torque of minimum 25 in-Lbs. Verify that the distance between equipment rails is still EIA spaced (18.31”). Make adjustments if needed.
Power Outlet Unit (POU) Mounting Bracket Locations (Server Cabinet)
(Tool-less Mounting Button Spacing)
Power Outlet Unit (POU) Mounting Bracket Locations (Server Cabinet)

Note location of #12-24 positioning screw in each spacing scenario. Install the positioning screw first to help locate the bracket in the correct location and orientation relative to the cabinet frame. See page 30 for bracket and screw installation instructions.
Power Outlet Unit (POU) Mounting Bracket Installation (Server Cabinet)

Use two (2) #12-24 trilobular screws to mount each CVPDUB bracket to cabinet frame. Tighten screws to 45 in-lb (+/- 5 in-lb). Refer to Pages 28 and 29 for hole and slot orientation. Install buttons of Power Outlet Unit (POU) into bracket as shown.

Power Outlet Unit (POU) Mounting Bracket Installation (non-typical button spacing)

If POU does not employ typical button spacing, mount top bracket first to locate POU. Mount lower bracket in appropriate position utilizing bonus holes.