



## Securing the Chassis

---

This chapter describes how to secure the Cisco NCS 6000 Series chassis to a concrete floor.

- [Securing the Chassis, page 1](#)

## Securing the Chassis

The chassis is shipped with a drill hole template to assist you in putting the bolts in the proper position on the floor. The template is used for both raised floors and slabs. The drill hole template identifies primary and secondary locations for securing the chassis to the floor. Whenever possible, use the following:

- Primary mounting locations
- Secondary locations only when the primary locations are not available

The instructions in this chapter are specific to securing the chassis to a concrete floor. The instructions for securing the chassis to a raised floor vary from site to site, depending on such details as whether your floor needs additional support (as local practice applies for raised floors), and where (depending on the location of the floor tiles) the bolt holes need to be. Work with your facilities representative to determine your needs for your particular site.

## Prerequisites

Identify the chassis location and ensure that there is sufficient space before performing this task.

## Required Tools and Equipment

- Drill hole template
- Marking pen or pencil
- 3/8-inch ratchet wrench
- Set of standard and metric sockets
- Drill and bits for masonry and wood

- Number-1 Phillips screwdriver

**Note**

---

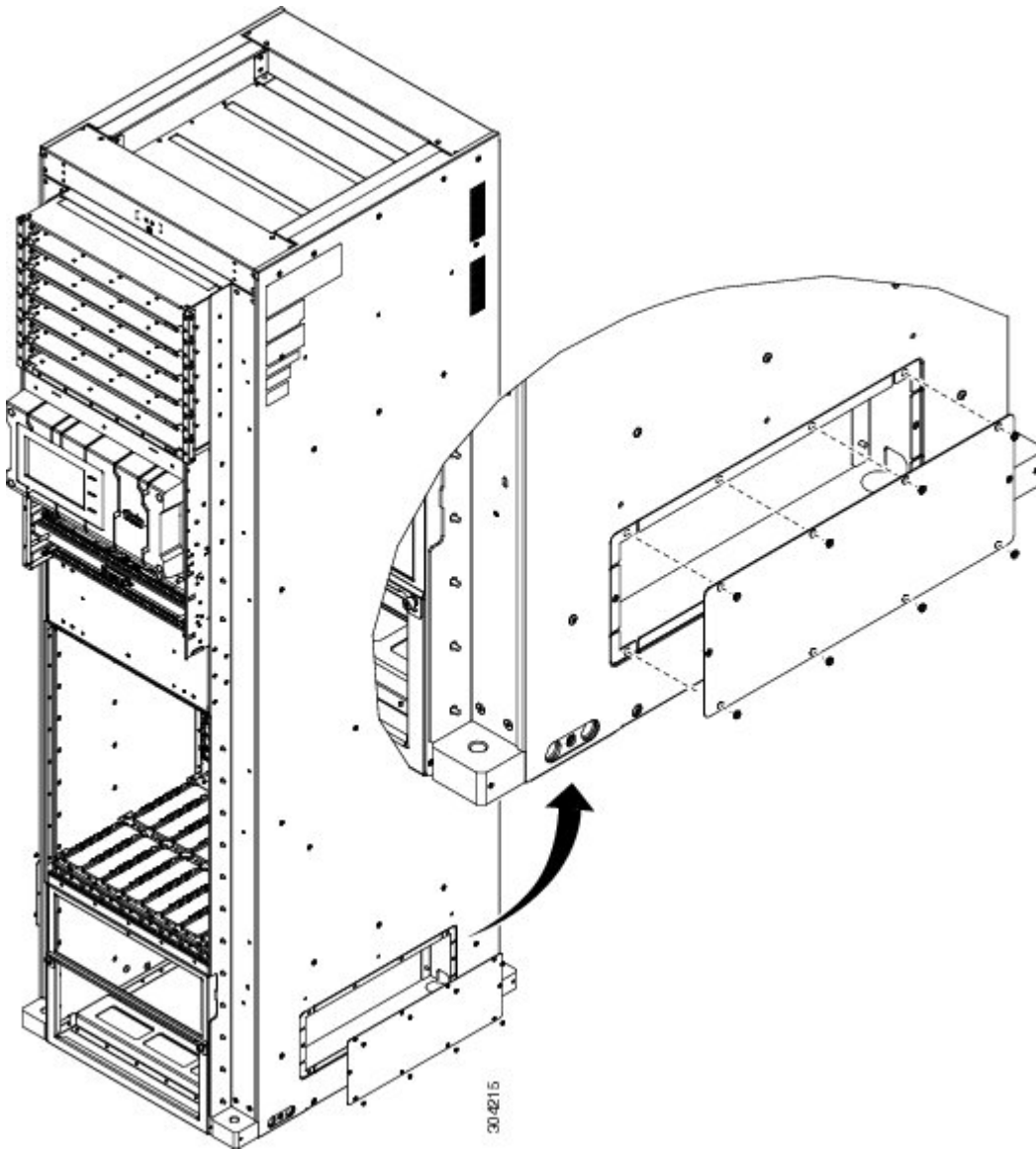
The full list of tools depends on the anchor bolt kit that you use. See the documentation for your anchor bolt kit for details.

---

## Steps

- Step 1** Using the drill hole template, mark the pilot holes on the floor at the identified locations.
- Step 2** Remove the drill hole template, and drill the indicated anchor bolt holes into the floor at the pilot hole locations.
- Step 3** If an alternate floor mounting pattern is required, remove the lower side panels (left and right sides of the chassis) to expose additional floor mounting holes.

**Figure 1: Remove Lower Side Panels to Expose Additional Floor Mounting Holes—Cisco NCS 6008 LCC Shown**



- Step 4** Carefully move the chassis into place over the bolt holes. See the [Moving the Unpacked Chassis](#) for details on moving the chassis with the dolly.
- Note** Where side clearance is not enough to use the dolly, you must first lower the chassis to the floor and then slide it into place.
- Step 5** Lock the dolly caster anti-rotation and brake systems.
- Step 6** With a person on each side of the chassis, turn all four lifting cranks of the dolly counterclockwise slowly to lower the chassis to the floor.
- Note** The dolly has four separate lifting cranks, each of which works independently when lifting or lowering the chassis. It is best to turn the lifting cranks simultaneously when lifting the chassis so as to not put undue stress on the chassis frame or dolly and reduce the risk of tipping too far.
- Step 7** Remove the dolly from the chassis.
- Warning** **Do not permanently locate the equipment on the dolly. Safely store the dolly after use.** Statement 357
- Step 8** Insert all anchor bolts.
- Step 9** Tighten all bolts and nuts.
- 

## Unpacking Chassis Components

The remaining shipping boxes and pallets are now ready to be delivered from the receiving/shipping dock or a site holding area to the final location of the Cisco NCS 6000 Series chassis.

### Steps

- 
- Step 1** If possible, move the pallets to the same location as the unpacked and secured chassis. If not possible, move the individual boxes containing the various components to the chassis location.
- Note** All components are packaged separately. Cards are attached and installed on a wooden board insert held in place by captive Phillips screws.
- Step 2** Unpack all primary pallet parts from the packaging, and set the parts aside for installation.
- Step 3** Unpack all secondary pallet parts from the packaging, and set the parts aside for installation.
- Note** Do not unpack individual cards until you are ready to install the cards in the chassis.
- Step 4** Unpack all power components from the packaging, and set the parts carefully aside on an ESD-immune surface for installation.
- Step 5** Unpack all exterior cosmetic parts from the packaging and set the parts aside.  
To continue with the installation of individual components, see the [Cisco Network Convergence System 6000 Series Routers Hardware Installation Guide](#) or the [Cisco Network Convergence 6000 Fabric Card Chassis Hardware Installation Guide](#)
-

## Component Return Information

Before preparing to return the product or product components, you must contact Cisco technical support and provide them with the details of your difficulty. Cisco technical support must confirm your product or component failure before assigning an RMA number for return shipment. For additional information, see [Obtaining Documentation and Submitting a Service Request](#).

To facilitate your conversation with Cisco technical support, locate and note the serial number for the chassis. The serial number label for the Cisco NCS 6000 Series chassis is located on the rear side of the chassis, lower left corner.

