

INSTALLING THE MOUNT ONTO A CONCRETE OR BLOCK FOUNDATION

PARTS NEEDED

- 3/8-inch x 3-inch Hilti hex-head sleeve anchors, HX 304SS, Qty: 5
- Silicone sealant

TOOLS NEEDED

- Carpenter's level
- Pencil
- Tape measure
- Hammer
- Electric drill
- Masonry drill bits, 3/8-inch
- Wrench, 3/8-inch or adjustable
- Torque wrench (up to 18 ft-lbs)

INSTALLATION PROCEDURE

DANGER



- If the antenna contacts electric power lines, you will be *killed* or seriously injured.
- Before starting the installation procedure, make sure there are no power lines nearby.

CAUTION



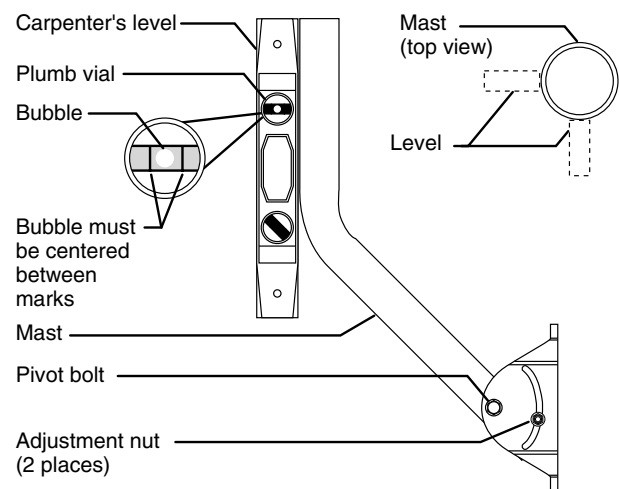
- Attach the antenna only to a house foundation, not to a chimney or side of a house.
- Install the antenna at least 5 feet above ground.

The antenna can be installed on a concrete or block house foundation. The foundation wall must be at least 8 inches thick. Anchors must be installed no closer than 12 inches to the edge of a door or window, or to the top or corner of a foundation wall. Be sure to follow any instructions that were included by the manufacturer of the Hilti sleeve anchors. You will probably need someone to help you.

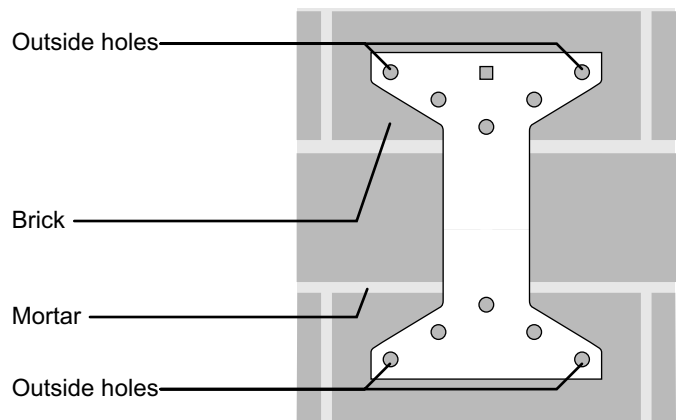
1. Select a flat and secure site to install the antenna base plate. The foundation wall at the site must be at least 8 inches thick. Remember that the anchors must be installed no closer than 12 inches to the edge of a door or window, or to the top or corner of a foundation wall.
2. Place the base plate so the outside holes are positioned over the concrete surface.
3. Have a helper hold the antenna mast and base plate in place. Using a carpenter's level, plumb the antenna mast in at least two different locations on the side of the mast, as shown at right. These two measurements should be at right angles to each other.

If the mast is plumb (aligned vertically with the bubble level), go to step 5. Otherwise, loosen the adjustment nuts (see illustration at right).

4. Swing the mast until it is plumb with the level. If you are still unable to align the mast with the level, try using wooden shims. If shims do not correct the problem, you will need to find another site to install the antenna.



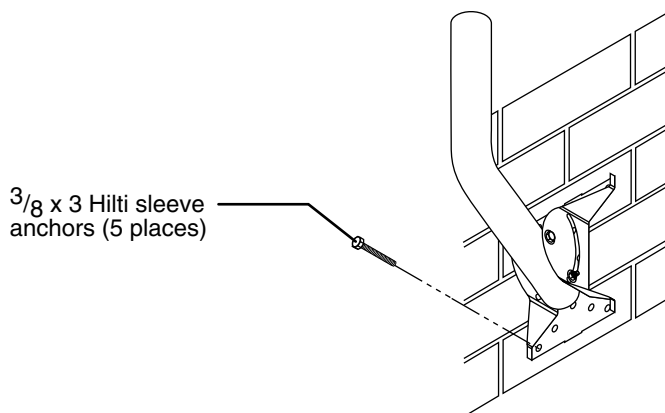
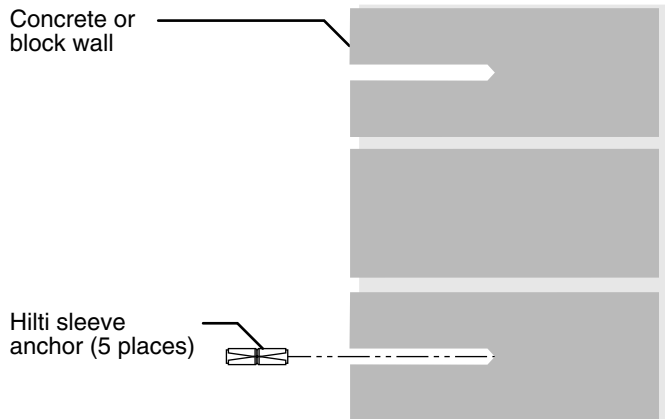
5. Use a pencil to mark the location of the top left outside hole of the base plate onto the concrete surface (see illustration below).



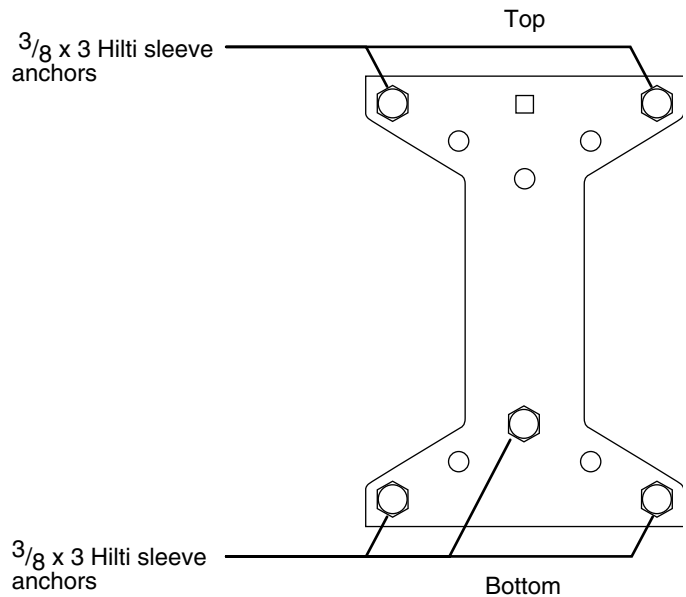
6. Set the mast aside and drill a 3/8-inch x 1-3/4-inch hole where you made the pencil mark.

INSTALLING THE MOUNT ONTO A HOUSE FOUNDATION (CONTINUED)

7. Clean out the hole and install the mast onto the mounting surface using a 3/8-inch x 3-inch Hilti sleeve anchor. With the bolt flush to the top of the nut, use a hammer to drive the sleeve anchor into the hole (see illustration below). You may need to swing the mast out of the way temporarily. Tighten the bolt just enough to support the assembly, but leave it loose enough to enable you to adjust the base plate.



8. Verify that the mast is still plumb and adjust if necessary.
9. Mark the locations of the remaining four holes on the concrete or block wall surface (see diagram below).



10. Remove the base plate from the concrete or block wall surface.
11. Drill four 3/8-inch x 1-3/4-inch holes.
12. Clean out the holes and install the Hilti sleeve anchors and the base plate as in Step 7. Torque to 10 ft.-lbs. Do not exceed the torque value.
13. Re-plumb the mast and tighten the two adjustment nuts with a torque wrench to 15 ft.-lbs.

Continue with section **“Installing the Cap on the Satellite Antenna Dish”** on page 14.