



Rooftop Equipment Installation – General Description

To provide wireless internet service at the customer's location, our company will install a small piece of wireless networking equipment on the roof of the building using **non-penetrating installation methods** designed to protect the roof surface and maintain the integrity of the building.

Roof Mounting Method

- All rooftop equipment will be mounted using a **non-penetrating roof mount**.
- The mount is secured in place using **ballast (concrete bricks)** rather than bolts or anchors.
- **No penetrations will be made to the roof surface** for the mounting of the equipment.
- This method avoids damage to the roof membrane and is commonly used on commercial buildings.

Equipment Cabling

- A single **outdoor-rated Ethernet cable** will be run from the rooftop equipment to the interior of the building.
- We will first identify an **existing building entry point** (such as a conduit, utility penetration, or sleeve) to route the cable indoors.
- If no suitable entry point exists, a **single small penetration (approximately ½ inch in diameter)** may be required.

Weather Sealing and Protection

- Any new penetration will be **fully weather-sealed** using **industrial-grade exterior sealant** designed for long-term outdoor use.
- The sealing method ensures protection against water intrusion, air leaks, and environmental exposure.


- All cabling will be properly secured and routed in a neat, professional manner.

General Practices

- The installation will be performed by trained technicians following industry best practices.
- All work will be conducted in a manner that minimizes visual impact and preserves the building structure.
- No structural modifications will be made beyond what is described above.

Example of non-penetrating roof mounts:

ROHN FRM225 Non Penetrating Roof Mount
2.25 x 30 inch mast



34 3/4 outside 16 3/4 inside

This roof mount is able to support various Antenna EPA's depending on wind and Ballast load (see details).
The base of the roof mount is 3' square with a 16" tray to fit concrete blocks, typically used as ballast.
The base mount is Hot dip galvanized and the Pipe is 16 gauge Pre-Galvanized for corrosion protection and goes together quickly

