

# **Rooftop Safety Instructions**

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## **GENERAL SAFETY WARNINGS**

- Your safety is our top priority.
- Improper use or rooftop installation can result in serious injury or death.
- Read all installation instructions before beginning any roof tower installation.
- Please follow all guidelines below in addition to local codes and OSHA regulations.
- Do not work on rooftops alone. Always have a partner present.
- Do not proceed if weather conditions are unsafe (high winds, rain, snow, lightning, or extreme heat).
- Use personal protective equipment (PPE) at all times — including safety harnesses, hard hats, gloves, and non-slip footwear.
- Ensure your roof surface is structurally sound and capable of supporting both your body weight and the assembled tower with ballast or guying systems.
- Maintain at least 20 feet of clearance between both the tower and antenna(s) and any overhead power lines or energized equipment.

## **ACCESS & LADDER SAFETY**

- Use a properly secured extension ladder that extends at least 3 feet above the roof edge.
- Set the ladder at a 4:1 angle (1 foot out for every 4 feet up).
- Maintain three points of contact when climbing (two feet and one hand making contact with the ladder at all times, or two hands one foot at all times).
- Do not carry tools in your hands while climbing. Use a belt or rope with equipment attached, or use a bucket lift system to transport equipment to the roof.

## **FALL PROTECTION**

- OSHA requires fall protection at heights of 6 feet or more.
- Use a personal fall arrest system (PFAS) that includes:
  - Full-body harness
  - Anchor rated to 5,000 lbs
  - Shock-absorbing lanyard or self-retracting lifeline
- Anchor must be installed according to manufacturer specs — do not anchor to loose vents, piping, or unsecured structures.
- Inspect fall protection gear at proper intervals and verify it is safe to use..

## TOOL & EQUIPMENT SAFETY

- Tether tools with lanyards to prevent falling items.
- Do not leave loose hardware or tools on sloped or uneven surfaces.
- Avoid distractions and always be aware of your footing and surroundings.

## WEATHER & ENVIRONMENT

- Postpone work in the presence of:
  - Wind over 15 mph
  - Wet, icy, or slippery roofing
  - Thunderstorms or nearby lightning
- Stay hydrated and take breaks in shade during hot weather.
- Ensure good lighting if working near dusk or early morning.

## STRUCTURAL & LOAD CONSIDERATIONS

Verify that the roof can support the combined weight of:

- Carlson Roof Tower
- Any attached antenna or equipment
- Ballast or anchoring systems
- Follow all provided assembly instructions and any guying guidelines.
- Never exceed the tower model's maximum rated load capacity.
- Consult a licensed professional structural engineer to assure the roof can support the load.

## IN CASE OF EMERGENCY

- Keep a mobile phone or two-way radio on hand.
- Establish a clear plan for emergency response with your installation partner.

## FINAL CHECKLIST BEFORE CLIMBING ROOF

- ✓ Fall protection system secured and inspected
- ✓ Ladder safely placed and tied off
- ✓ Tools tethered or belted
- ✓ Weather and roof conditions confirmed safe
- ✓ Roof structure verified for load capacity
- ✓ Second person present for assistance
- ✓ Local safety codes and regulations reviewed

Carlson Roof Towers cares about your safety. For any questions, contact us at [rooftowers.com/contact-us](https://rooftowers.com/contact-us) or consult a licensed professional installer.