

Grounding and bonding system quarterly maintenance checklist

A quarterly grounding system round is short on purpose: it catches the wear items that fail between annual services. This checklist is sized for a tech with a phone. Every item says what to look at and the photo that proves the round happened. Work is commonly verified against NEC (NFPA 70), NETA maintenance testing standards. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The electrician or maintenance tech on the quarterly electrical round. When: Every quarter, walked with the service and panel round since a compromised ground shows up as noise and nuisance trips there first.

Connections and bonding

- ☐ **Visible ground connections and bonding jumpers checked**
Grounding electrode conductor, main bonding jumper and equipment bonds present and connected, jumpers across meters and dielectric unions in place where required. 2 photos required
- ☐ **Ground bar terminations inspected**
Each lug tight and single-conductor unless rated otherwise, no loose or corroded connections on the ground/neutral bar in accessible panels. 1 photo required

Corrosion and damage

- ☐ **Clamps and exposed conductors checked for corrosion**
Ground clamps at rods, water main and steel free of heavy corrosion, conductor bright and sound at the connection, not eaten away under the clamp. 2 photos required
- ☐ **No conductors damaged, cut or removed**
Exposed grounding and bonding runs intact, none cut for other work, pulled loose, or missing where a connection was clearly meant to be. 1 photo required

Access

- ☐ **Ground test wells and access points located and clear**
Test wells and inspection points found, lids removable, connections inside reachable so the ground can actually be tested when the testing firm comes. 1 photo required