Lightning Protection System Installation Inspection

Interactive checklist for inspecting lightning protection systems. Comment, export as PDF/Excel, and ensure safety with QR code authentication.

Project:
Date:
Filled by:

Grounding System Inspection

1	Verify the ground rods are installed to the appropriate depth and securely connected.
2	Check that grounding conductors are of the correct gauge and securely fastened.
3	Ensure the grounding system has a resistance of 10 ohms or less.

Conductors Inspection

4	Inspect all conductors for any signs of damage, wear, or corrosion.
5	Verify that conductors are appropriately routed and secured according to standards.
6	Check that conductor connections are tight and free from corrosion.

Air Terminals Inspection

7	Confirm that air terminals are installed at the correct height and location.
8	Ensure air terminal tips are sharp and free of any blockages.
9	Verify air terminals are firmly attached to prevent movement or detachment.

Surge Protection Devices Inspection

10	Check that surge protection devices are installed at entry points of electrical services.
11	Ensure surge protectors are rated for the system's voltage and current requirements.
12	Verify that surge protection devices are functioning correctly and are not expired.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspecting the installation of a lightning protection system is crucial to ensure the safety and integrity of a building. This process involves verifying that all components are correctly installed and meet safety standards. A well-installed system reduces the risk of lightning damage, protecting property and lives. This checklist covers the inspection of grounding, conductors, air terminals, and surge protection devices. Use this interactive checklist to ensure a thorough inspection, with options to tick off items, leave comments, and export your completed checklist as a PDF or Excel file, secured with a unique QR code for authenticity.	1. Gather necessary tools such as multimeters, inspection mirrors, and safety gear before starting. 2. Click the "Use this checklist" button to launch interactive mode. 3. Tick each item online as you verify it during the inspection. 4. Add comments on individual items if further action or clarification is needed. 5. Click 'Share' or 'Download' to export your completed checklist as PDF or Excel. 6. Review your completed inspection report, sign it digitally, and distribute it to stakeholders. Use the QR code for secure authentication and traceability.