Post-installed Anchoring Systems Inspection Checklist

Interactive checklist for inspecting post-installed anchoring systems and pull-out testing. Commentable, exportable as PDF/Excel.

Project:
Date:
Filled by:

Preparation and Initial Inspection

1	Verify the anchoring system specifications against the project requirements.
2	Ensure all necessary documentation is available and reviewed before inspection.
3	Inspect the surrounding material for any signs of damage or unsuitability.
4	Confirm the anchor type and size match the design specifications.
5	Ensure the site is safe and clear of unnecessary personnel during inspection.

Physical Anchor Inspection

6	Check for visible signs of corrosion or damage on the anchors.
7	Measure the embedment depth to verify compliance with specifications.
8	Examine anchor alignment and spacing for any deviations.
9	Assess the condition of washers and nuts for integrity and tightness.
10	Ensure the anchor is free of any applied loads before testing.

Pull-Out Testing Procedure

11	Set up the pull-out test rig according to manufacturer instructions.
12	Calibrate the testing equipment to ensure accurate results.
13	Apply load gradually and monitor readings until the anchor fails.
14	Record the maximum load sustained by the anchor before failure.
15	Compare test results with the design load requirements.

Post-Test Evaluation

16	Document all findings and discrepancies noted during the inspection and testing.
17	Prepare a comprehensive report outlining the test results and any corrective actions needed.
18	Review and discuss the findings with the project team and stakeholders.
19	Implement any necessary corrective actions and re-test if required.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Post-installed anchoring systems are crucial components used in construction to secure structures and equipment. These systems, often made of steel, are embedded into concrete or masonry to provide resistance against loads. This checklist covers the inspection of these anchoring systems and the pull-out testing procedure, ensuring they are adequately installed and capable of withstanding specified forces. Effective inspection and testing help prevent structural failures, ensuring safety and compliance with industry standards. Users can interact with this checklist by ticking off items, adding comments, and exporting the report as PDF or Excel, complete with a QR code for authentication.	1. Gather necessary tools and safety gear, including pull-out test equipment, safety goggles, gloves, and a hard hat. 2. Click the "Use this checklist" or "Start Interactive Checklist" button to launch interactive mode. 3. Tick each item online as you complete it. 4. Add comments on individual items or the entire checklist. 5. Click Share or Download to download your completed checklist as PDF or Excel. 6. Review and sign-off the final report digitally, distribute to stakeholders, and archive with QR code authentication for security.