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Post-Tensioning Tendon Installation and Grouting Inspection Checklist

Interactive checklist for inspecting post-tensioning tendon installation and grouting. Comment, export as PDF/Excel.

Project:
Date:
Filled by:

Pre-Installation Checks	
1	Review engineering drawings to ensure compliance with specifications.
2	Verify that tendon materials and specifications match project requirements.
3	Ensure the construction site is clean and free from debris that may obstruct installation.

Tendon Installation	
4	Check the alignment of tendons using a laser level for accuracy.
5	Confirm tendons are tensioned to the specified force within engineering tolerances.
6	Inspect anchorages to ensure they are securely fastened and properly positioned.

Grouting Preparation	
7	Ensure grout mix complies with project specifications and standards.
8	Check that grout hoses and pumps are clean and in good working condition.

Grouting Process	
9	Monitor grout flow to ensure continuous and complete filling of ducts.
10	Check for any leaks or blockages during grouting and address promptly.
11	Verify grout curing conditions are maintained as per specifications.

Post-Grouting Inspection	
12	Inspect hardened grout for voids using non-destructive testing methods.
13	Ensure all records and documentation are accurately completed and filed.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Post-tensioning tendon installation and grouting are critical steps in the construction process that ensure the structural integrity and durability of concrete elements. This checklist guides you through inspecting the installation of tendons and the subsequent grouting process, focusing on key aspects such as alignment, tensioning, and grout quality. Proper inspection at this stage prevents structural failures and ensures compliance with engineering standards. Users can interactively engage with this checklist, ticking items, adding comments, and exporting the final report with a unique QR code for authentication.	1. Prepare by gathering engineering drawings, specifications, and inspection tools such as laser levels and tension meters. 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.