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Building Pressurization and Air-Tightness Inspection Checklist

Interactive checklist for building pressurization and air-tightness inspection. Commentable, exportable as PDF/Excel. Ensure energy efficiency and comfort.

Project:	
Date:	
Filled by:	

Preparation and Tools	
1	Gather all necessary equipment for the inspection, including blower doors and smoke pencils.
2	Ensure that all equipment, such as pressure gauges and infrared cameras, are calibrated and functioning properly.

Initial Assessment	
3	Review the building's architectural plans to identify potential areas of air leakage.
4	Conduct a visual inspection of the building envelope for cracks, gaps, and other visible signs of air leakage.

Blower Door Test	
5	Install the blower door in an exterior door frame and ensure it is properly sealed.
6	Run the blower door test to measure the air infiltration rate and identify leakage paths.

Leak Detection	
7	Use smoke pencils to detect air leaks around windows, doors, and other critical areas.
8	Employ an infrared camera to identify temperature differentials indicating possible leaks.

Pressure Balancing	
9	Check for proper pressure balance between different zones of the building.
10	Adjust ventilation and HVAC settings to achieve optimal pressure balance.

Documentation and Reporting	
11	Document all findings, including identified leaks and pressure imbalances.
12	Prepare a comprehensive report detailing the inspection results and recommended actions.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Building pressurization and air-tightness testing are crucial processes in ensuring the energy efficiency, indoor air quality, and comfort of a building. This inspection involves checking the integrity of the building envelope to prevent unnecessary air leakage. It includes testing for proper sealing, verifying pressure differences, and ensuring compliance with relevant standards. This checklist provides a detailed guide to performing thorough inspections, helping you avoid energy loss and maintain structural integrity. Interactive features allow users to tick items, leave comments, and export completed reports in PDF or Excel, with QR code verification for authenticity.	1. Gather necessary tools such as blower doors, smoke pencils, and pressure gauges. 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 the completed checklist, share with stakeholders, and save records with QR code authentication.