

*Comprehensive
Structural Health
Checklist*

➤ **INTRODUCTION:**

Ensure the safety and longevity of your property with our Comprehensive Structural Health Checklist. This step-by-step guide is designed to help property owners, managers, and homeowners identify potential structural issues before they become costly problems.

✓ **FOUNDATION INSPECTION**

Check for Cracks:

- Inspect foundation walls for hairline cracks.
- Examine the exterior foundation for cracks, especially in corners and around doorways.

Evaluate Settlement:

- Check for uneven floors or gaps between the floor and walls.
- Use a level to assess if floors are sloping or dipping.

Inspect for Water Damage:

- Look for water stains, dampness, or mold in the basement or crawl space.
- Check for pooling water around the foundation after rain.

✓ **WALL AND CEILING ASSESSMENT**

Examine Interior Walls:

- Look for cracks, particularly near windows, doors, or corners.
- Inspect for bulging or bowing walls.

Ceiling Inspection:

- Check for sagging ceilings or cracks, especially where walls meet ceilings.
- Look for water stains or discoloration.

Exterior Walls:

- Inspect for cracks in brick or stone walls, especially stair-step cracks.
- Check for gaps or separation between bricks.

✓ **ROOF AND ATTIC EXAMINATION**

Roof Surface:

- Inspect the roof for missing, loose, or damaged shingles.
- Check for sagging or uneven areas on the roof.

Attic Inspection:

- Look for water stains or dampness on rafters or insulation.
- Check for proper ventilation and signs of mold or mildew.

Structural Integrity:

- Examine roof trusses and rafters for cracks, warping, or bowing.
- Ensure all connections are secure and free from rust or corrosion.

✓ **FLOOR INTEGRITY CHECK**

Check for Uneven Floors:

- Walk through each room to feel for soft spots or uneven areas.
- Use a level to confirm any slopes or dips in the flooring.

Inspect for Moisture Damage:

- Look for warping, staining, or mold, particularly in basements or near plumbing.
- Check underneath carpets or rugs for hidden damage.

Subfloor Assessment:

- Inspect the subflooring for rot, water damage, or termites.

✓ **DOORS AND WINDOWS EVALUATION**

Check for Proper Operation:

- Open and close all doors and windows to ensure smooth operation.
- Look for gaps around doors and windows.

Inspect for Cracks:

- Check for cracks radiating from door and window frames.
- Examine the trim and molding for separation or misalignment.

Seal Integrity:

- Inspect the seals around windows and doors for wear and tear.
- Check for drafts or cold spots.

✓ **BASEMENT AND CRAWL SPACE ANALYSIS**

Moisture Inspection:

- Look for dampness, water stains, or mold growth.
- Check for condensation on pipes or walls.

Structural Assessment:

- Inspect support beams and columns for rot, rust, or damage.
- Look for cracks in basement walls, especially horizontal cracks.

Pest Inspection:

- Check for signs of termite damage, such as hollowed-out wood or mud tubes.
- Look for rodent droppings or gnawed wood.

✓ **EXTERIOR LANDSCAPING AND DRAINAGE**

Drainage Systems:

- Inspect gutters, downspouts, and drainage systems to ensure proper water flow.
- Check for signs of erosion around the foundation.

Soil and Vegetation:

- Assess soil around the foundation for heaving or sinking.
- Ensure large trees or bushes are not too close to the building.

Driveway and Walkways:

- Inspect driveways, sidewalks, and walkways for cracks or uneven areas.
- Check for pooling water or erosion around these areas.



Additional Notes: Use this section to document any observations or concerns you notice during your inspection.

➤ **CONCLUSION:**

Regular inspections using this checklist can help maintain your building's integrity and prevent costly repairs. If you identify any issues, it's crucial to consult a structural repair professional for further assessment and solutions.