



## The 52-Point Insight+ Audit

**Purpose & Intent:** *The Insight+ Audit is our most advanced forensic evaluation, utilizing high-resolution FLIR thermal imaging and enhanced structural protocols to identify hidden inefficiencies in your home's performance. Beyond the standard 32-point exterior check, this 52-point audit dives deep into thermal bypasses, attic ventilation dynamics, and mechanical exit-path integrity. The goal of the Insight+ Audit is to provide a comprehensive "Digital Health Profile" that pinpoints energy loss and moisture risks that are invisible to the naked eye, offering a definitive roadmap for long-term envelope fortification.*

### **VI. Thermal Performance & Efficiency**

- 33. **Window Torque Test:** Checking lock and crank mechanics for airtight compression.
- 34. **Sash Alignment Scan:** Verifying "squareness" to prevent seal failure and drafts.
- 35. **Internal Seal Scan:** Looking for interior staining that reveals hidden window flashing leaks.
- 36. **Attic Bypass Sealing:** Using thermal scanning to find air leaks at wire and pipe penetrations.
- 37. **Hatch Thermal Seal:** Auditing attic hatch gaskets and insulation for "chimney-effect" heat loss.
- 38. **Rim Joist Air-Seal:** Scanning the basement-to-frame connection for drafts and pest entry.
- 39. **Recessed Light Audit:** Scanning ceiling canisters for heat loss and ice dam triggers.
- 40. **Soffit Sealing:** Verifying rigid caps on dropped soffits to prevent attic air leakage.
- 41. **Sill Plate Scan:** Checking foundation-to-wood connections for active air infiltration.
- 42. **HVAC Boot Sealing:** Verifying the seal between registers and floors to prevent wall cavity condensation.

### **VII. Attic, Moisture & Mechanical Systems**

- 43. **Electrical Outlet Scan:** Identifying drafts behind exterior wall plates.

44. **Vapor Barrier Audit:** 100% crawlspace coverage check to prevent mold and structural rot.
45. **Insulation Depth:** Measuring against R-60 standards to ensure year-round energy efficiency.
46. **Thermal Blueprinting:** Mapping the home's thermal bypasses for targeted sealing.
47. **Baffle Ventilation:** Ensuring soffit intakes aren't blocked by shifted insulation.
48. **Deck Mold Scan:** Inspecting the roof deck for "frost mold" and wood health.
49. **Exhaust Discharge:** Verifying that all bathroom fans discharge correctly through the roof.
50. **Sump System Integrity Audit:** A visual assessment of the basin for debris or silt accumulation, check-valve orientation, and electrical cord safety. We verify the "Critical Path" from the pump to the exterior exit point to identify potential blockages before the next storm."
51. **Water Heater Integrity:** Checking tanks and fittings for early signs of corrosive failure.
52. **Basement Moisture Audit:** Scanning for active staining and "musty" odors that indicate grading issues.