

CHECKLIST:

Electronic Leak Detection (ELD) Project Planning Checklist

Protect your building before leaks happen.

Water intrusion can compromise structures, equipment, and safety long before visible damage appears. Use this checklist to prepare your project for accurate, efficient ELD testing—whether for new construction, reroofing, or ongoing facility maintenance.

Project Information

Project Name: _____
Building / Facility: _____
Address: _____
Contact Name / Title: _____
Email / Phone: _____
Roof Type / System: _____
Approx. Roof Area (sq ft): _____

1. Project Overview

- ☐ Confirm project type: New construction / Re-roof / Preventive maintenance
- ☐ Identify roofing system type: Single-ply, Built-up, Modified Bitumen, Protected Membrane, Green Roof
- ☐ Note roof size and sections to be tested (square footage)
- ☐ Identify project stage (pre-installation, post-installation, warranty check, etc.)

2. Site Conditions & Preparation

- ☐ Ensure roof surface is clean, dry, and free of debris.
- ☐ Verify electrical continuity between membrane and substrate.
- ☐ Confirm all roof drains, scuppers, and terminations are accessible.
- ☐ Review safety and access requirements (ladders, tie-offs, escorts).
- ☐ Identify sensitive equipment areas requiring protection.

3. System Requirements

- ☐ Verify compatible testing method: Low-voltage, High-voltage, Moisture scanning.
- ☐ Confirm testing coverage area and sequencing with HGI technician.
- ☐ Review test boundaries, penetrations, and expansion joints.
- ☐ Ensure electrical power and water source availability (if required).

4. Documentation & Communication

- ☐ Provide up-to-date roof drawings or as-builts.
- ☐ Establish point-of-contact for site coordination.
- ☐ Determine report recipients (contractor, owner, warranty provider).
- ☐ Confirm documentation format: PDF, CAD overlay, annotated images.
- ☐ Schedule a post-test review meeting to discuss findings and next steps.

5. Post-Test Actions

- ☐ Review report with contractor or roofing consultant.
- ☐ Address any identified breaches or moisture areas promptly.
- ☐ Retest after repairs to confirm watertightness.
- ☐ Archive results for warranty and compliance records.
- ☐ Schedule periodic integrity checks as part of ongoing maintenance.

6. Bonus Tips from HGI Experts

- Test early - catching issues before overburden or ballast saves time and cost.
- Coordinate with trades—testing should occur after roof installation but before final finishes.
- Document everything—maps and images protect all stakeholders.
- Plan for re-verification—annual or biannual ELD testing extends roof life.

Next Steps

Honza Group's specialists can help you evaluate system compatibility, testing timelines, and documentation options.

Schedule a free consultation so we can review this checklist together and see what your next steps are.

Email: info@honzagroupinc.com (OR) call us at: **303-953-7210**