INSPECTUM AI · Executive Summary · PI Report (DEMO)

DEMO / SYNTHETIC DATA — not an audit of a real project

Project readiness	**74 / 100**
Documentation completeness	**86%**
Files analyzed	**320**
Detected findings	**1 427**
Critical findings	**64**
Quantity / BOQ line items	**12 846**
Potential rework exposure	**USD 1.61M**

Interpretation and limitations

These are illustrative aggregate KPIs for a synthetic demonstration dataset. The downloadable issue register contains only six example findings, including two critical items. The register does not contain all 1,427 issues or all 64 critical findings.

The USD 1.61 million exposure is a scenario estimate, not verified losses or guaranteed savings. It is not the sum of the six example findings.

In a real full PI Audit, critical and ambiguous results undergo mandatory selective engineering verification before the final PI Report is issued. Engineer Verified status in this demo is simulated; no real client project has been checked.

Submitting a documentation link and preliminary desk review are free. Project Scan is paid after its individual price is agreed. One hundred percent of the Scan fee is credited toward the fixed total PI Audit price. Documentation Production and Engineering Remediation & Redesign are optional separately priced services.

Illustrative Issue Register — six selected findings

ISS-MEP-0327 — Duct clashes with a reinforced-concrete beam

Ventilation drawing MEP-508 shows rectangular duct D-08 passing through the zone occupied by reinforced-concrete beam B-17. No approved penetration detail is confirmed in the structural package.

ISS-COM-0053 — Partition fire-performance property is unverified

Specification W-08 does not provide an unambiguous reference to the required property for its intended use. This is a data gap, not proof of a code breach.

ISS-MEP-0142 — Insufficient AHU-03 maintenance clearance

Equipment envelope and filter-removal clearance interfere with an architectural partition. Required access must be confirmed against the manufacturer’s data.

ISS-DOC-0089 — Conflicting revisions across linked drawings

Architectural sheet ARC-204 Rev D refers to a structural detail whose consistency with STR-116 Rev B remains unconfirmed. The affected quantity schedule requires review after coordination.

ISS-ARC-0204 — Door swing restricts clear passage

The open door leaf reduces clear width near a service area. Applicable access requirements depend on room use and must be verified for the relevant jurisdiction.

ISS-QTO-0271 — Equipment quantities differ between schedule and BOQ

The illustrative equipment schedule lists 12 units of type EQUIP-041, while the demonstration BOQ lists 10. The cause is not established.