

AI-ASSISTED BUILDING PLAN REVIEW

Help reviewers find plan issues earlier and focus expertise where it matters.

PlanIQ is an AI-assisted municipal building plan review solution designed to organize plan sets, extract project information, evaluate configurable submission and review criteria, and flag potential issues for qualified staff review.

Discuss This Use Case

Explore ArtifexIT

PI

Use AI to assist review - not replace the reviewer.

Building plan review is document-intensive and requires skilled judgment. Reviewers can lose time locating information, checking repeatable requirements, comparing sheets, and documenting routine findings. PlanIQ helps automate the repeatable analysis while keeping official review and approval with authorized municipal professionals.

- + Increase Reviewer Capacity: Reduce time spent on repetitive document and checklist review tasks.
- + Identify Issues Earlier: Flag potential omissions or configured review concerns sooner.
- + Improve Consistency: Apply repeatable review criteria and documentation patterns.
- + Preserve Human Authority: Keep code interpretation, judgment, and official decisions with qualified staff.

Increase Reviewer Capacity Reduce time spent on repetitive document and checklist review tasks.	Identify Issues Earlier Flag potential omissions or configured review concerns sooner.	Improve Consistency Apply repeatable review criteria and documentation patterns.	Preserve Human Authority Keep code interpretation, judgment, and official decisions with qualified staff.
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CORE CAPABILITIES

Focused automation for a real municipal operating problem.

PlanIQ is designed as a modular capability within ArtifexIT's secure municipal AI approach - improving the workflow around existing systems rather than forcing a wholesale platform replacement.

01

Plan Set Intelligence

Organize and understand submitted drawing sets and supporting documents.

- + Sheet and document organization
- + Project data extraction
- + Plan navigation assistance

02

Configurable Review Checks

Evaluate plans against configured municipal checklists and criteria.

- + Submission requirements
- + Repeatable review checks
- + Department-specific rules

03

Issue Flagging

Surface potential items for reviewer attention rather than making final determinations.

- + Potential omissions
- + Cross-sheet inconsistencies
- + Review notes / references

04

Reviewer Workspace

Present findings in a structured way for staff validation.

- + Finding review
- + Comments and disposition
- + Human approval workflow

05

Permitting Integration

Work with existing permitting environments and document workflows.

- + Status / metadata exchange
- + Document synchronization patterns
- + TraKiT integration where applicable

06

Audit & Analytics

Maintain review history and measure process performance.

- + AI-assisted findings log
- + Reviewer disposition history
- + Cycle-time insights

DESIGNED FOR GOVERNMENT OPERATIONS

Connect the people, process, and systems already in place.

- Building Plan Review
- Community Development
- Permitting Platforms
- TraKiT Integration
- Document Intelligence
- Human-in-the-Loop
- Secure Municipal AI
- Review Analytics

WHY ARTIFEXIT

Practical AI. Government context. Vendor-neutral execution.

ArtifexIT combines public-sector operational knowledge with AI, workflow automation, systems integration, project leadership, and governance. The objective is measurable improvement without adding unnecessary complexity or locking the organization into a single platform.

- 01

Reviewer-assist philosophy
Supports skilled municipal reviewers instead of positioning AI as the authority.
- 02

Configurable local criteria
Review assistance can be aligned to jurisdiction-specific checklists and procedures.
- 03

Integrates with the workflow
Designed to sit alongside permitting and document platforms.
- 04

Traceable findings
Keep AI-assisted observations visible for human validation and auditability.
- 05

Scalable modernization
Begin with targeted plan types or review checks and expand responsibly.

SECURE MUNICIPAL AI FOUNDATION

Governance and security are part of the architecture.

ArtifexIT's municipal AI foundation is designed around controlled access, transparency, integration, and responsible human oversight.

Foundation capabilities

Deployment and integration are tailored to agency requirements, existing architecture, data sensitivity, and governance policies.

- Role-Based Access Control
- SSO / MFA Integration
- Encryption & Secure Data Handling
- Audit Trails & Activity Logging
- Human-in-the-Loop Controls
- AI Governance & Usage Policies
- ERP / GIS / CRM / Permitting Integrations
- Operational Analytics & KPIs

IMPLEMENTATION APPROACH

Start focused. Prove value. Scale responsibly.

A use-case-led rollout helps agencies address a visible pain point first, measure results, and build the governance and integrations needed for broader adoption.

STEP 01

Configure
Define plan types, checklists, criteria, and staff workflows.

STEP 02

Ingest
Receive approved plan sets and supporting documents.

STEP 03

Analyze
Extract information and run configured AI-assisted checks.

STEP 04

Review
Present potential findings for qualified staff validation.

STEP 05

Integrate
Return approved comments, status, and analytics to the workflow.

ARTIFEXIT | PLANIQ

Explore how PlanIQ can increase plan-review capacity while keeping professional judgment and approval with municipal staff.

Contact ArtifexIT

Contact ArtifexIT to discuss the current process, integration environment, security requirements, and a practical path to pilot and deployment.