



The Construction Leader's Quick Start Guide to BIM Coordination



Build smarter, avoid rework, and lead with clarity
using Autodesk Construction Cloud.



The Case for BIM Coordination

Why it matters:

In today's construction environment, project delays and cost overruns are often rooted in poor communication and disconnected tools. Traditional file-sharing methods (PDFs, emails, Dropbox) aren't fast or smart enough to keep up with the pace of work.

The solution?

BIM Coordination through Autodesk Construction Cloud (ACC). It connects your models, issues, and trades in real time, enabling faster decisions and fewer surprises.

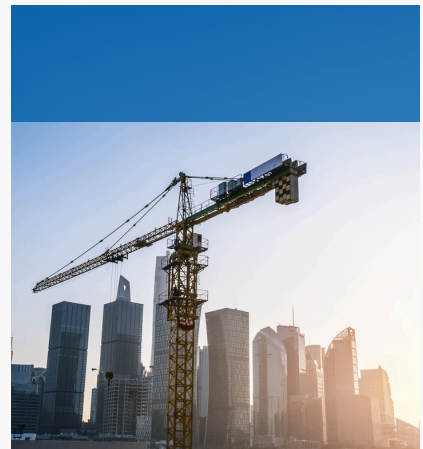


3-Phase BIM Coordination Roadmap

01 PHASE

Kick Off with Model Coordination

Start by running automated clash detection between trades using Autodesk Model Coordination. This helps identify constructability issues early and reduces costly rework before shovels hit the ground.



02

PHASE

Empower the Field with Cloud Access

Bring the models to your field teams — on any device, no special training required. Teams can view, comment, and flag issues directly within the model, improving communication and accountability across trades.

Connect Coordination to the Bigger Picture

Take coordination further by linking models to key workflows like RFIs, issues, and schedule updates. Turn your model into a live project hub — not just a file — and gain visibility across the full construction lifecycle.

PHASE



03

Sample Scenario

From Costly Delays to Real-Time Resolution



BEFORE ACC

On a typical mid-rise residential project in Ontario, a mechanical clash with a structural beam was missed during coordination. The issue was discovered onsite, reported via email, and took 6 days to resolve — causing \$18,000 in change orders and delaying multiple trades.

AFTER ACC

Using Autodesk Construction Cloud, the contractor ran automated clash detection and flagged a coordination issue between electrical and sprinkler systems. The issue was logged, assigned, and resolved within 24 hours, with no delays or rework.

This scenario is for illustrative purposes only and is not based on a specific client engagement.

Without ACC

- ✓ Clash discovered onsite
- ✓ Issue reported via email
- ✓ Field team waits for update
- ✓ Delays in RFI approvals

With ACC

- ✓ Clash detected in model during precon
- ✓ Issue logged and assigned in-platform
- ✓ Field teams sees live model changes
- ✓ RFIs linked to specific model elements

Autodesk Construction Cloud vs. Procore vs. Bluebeam

Feature/Capability	Autodesk Construction Cloud (ACC)	Procore	Bluebeam Revu/Studio
Model-Based Workflows (BIM Coordination)	✓ Built-in model viewer, clash detection, live model collaboration	⚠ Limited — relies on integrations or file attachments	✗ No true BIM coordination (PDF-based markup only)
Integrated Design + Field Collaboration	✓ Seamless Revit + AutoCAD integration, connected Docs, Build, and Takeoff	⚠ Requires linking tools or additional licenses for full design coordination	✗ No true BIM coordination (PDF-based markup only)
Real-Time Issue Tracking (Linked to Models)	✓ Issues tied directly to model elements, RFI tracking, and schedule linkage	✓ Issue tracking available, but not model-aware	✗ Issues are markups on static PDFs only
Cloud Model Access - Field & Office	✓ Live model access via browser or mobile, see who's in the model	⚠ Model viewing via integrations (e.g., Navisworks or Revizto)	✗ No model access
Construction Schedule Integration	✓ Embedded schedule visibility + linkage to tasks/issues	✓ Strong Gantt and resource tools	✗ No scheduling tools
Document Management & Version Control	✓ Full document control, version history, permissions	✓ Robust file management	✓ Strong PDF control, but versioning is manual
Database Sync / Custom Dashboard Integration	✓ Easy Power BI integration, API access, supports Timecloud and custom dashboards	⚠ Possible via API or third-party connectors	✗ Limited API access; minimal dashboarding
Preconstruction + Takeoff Tools	✓ Native 2D + model-based takeoff in ACC Takeoff	✓ Preconstruction tools via separate modules	✓ Measure lengths, areas, and volumes accurately with customizable tools.
Offline Access (Mobile)	✓ Mobile offline sync for Docs, Build	✓ Strong mobile access	✓ Limited offline markups
Best For...	Contractors and owners seeking connected BIM + construction workflows	Builders who want a project management hub with integrations	Firms focused on PDF-based markup and review
Pricing Structure	Tiered by module and user type; scalable for teams	Typically per-project or per-user pricing	Per-user/perpetual or subscription licenses

Summary

- ✓ Autodesk Construction Cloud is the only platform with native design-to-field BIM integration + robust construction management features.
- ✓ Procore is strong for general project management but lacks native BIM coordination.
- ✓ Bluebeam is excellent for document review but not suitable for model-based workflows or real-time coordination.



Ready to Lead with Clarity?

SolidCAD helps Canadian builders implement Autodesk Construction Cloud to improve jobsite visibility, coordination, and project performance.

Construction Project Lifecycle

Autodesk Construction Cloud

