

Revu AI: Smarter Project Workflows

AI-POWERED WORKFLOWS FOR CONSTRUCTION PROFESSIONALS
(2 SESSIONS × 3.5 HOURS EACH)

Course Overview

NEW in 2026 — Bluebeam Max unlocks the next generation of digital construction workflows — combining the power of Bluebeam Revu with built-in artificial intelligence. Trainees will learn how to save time, reduce errors, and gain a competitive edge in estimation, coordination, and QA/QC.

Who Should Attend

Estimators, project managers, coordinators, and field staff ready to move beyond manual markups and into AI-driven digital workflows.

Course Format

Duration: 2x3.5-Hour sessions on back to back days

Delivery Method: Instructor Led Online via Zoom

Materials Provided:

- Course workbook (PDF)
- Practice construction documents
- Quick reference guide

Pre-Requisites

- Basic computer knowledge and familiarity with construction documentation.
- Revu Basics, & Revu Estimating Level 1 are highly recommended before this course.

Learning Outcomes

1. Automate repetitive markup and measurement workflows.
2. Use AI-Review and AI-Match to detect drawing issues and changes.
3. Leverage AI-powered summaries to improve documentation and reporting.
Understand data security best practices in AI-driven construction software.

Session 1 - Foundations & Automation (3.5 Hours)

Module 1 - Introduction to Bluebeam Max

- Understanding the evolution from Revu 21 → Max
- Subscription tiers and what changes with AI integration
- Data security and Canadian data considerations

Module 2 - MagicWand — Automating Repetitive Markups

- Turning repetitive markups into reusable objects
- Using “Duplicate as” and “Offset” functions for quick layouts
- Demo: generating wall panels, windows, or floor layouts automatically

Module 3 - AI Match — Drawing Comparison Reimagined

- How Max detects revisions automatically
- Side-by-side visualization and change reporting
- Exercise: compare Issue A vs Issue B drawings

Module 4 - Stitching Large Drawing Sets

- Automatically joining multiple sheets into a continuous workspace
- Use case: floor plan continuity or façade sequencing
- Practical example: site-wide navigation for cladding or envelope work

Session 2 - Intelligence & Real-World Application (3.5 Hours)

Module 5 - AI Review — Automated Design Analysis

- Letting AI find design conflicts, spec inconsistencies, or missing callouts
- Review & approval workflows using Studio and Cloud
- Exercise: generate an AI-Review summary for a sample project

Module 6 - Smart Markup Recognition

- How Max identifies and categorizes markups (areas, counts, linear, volume).
- AI “label suggestions” and automated field detection (e.g., doors, windows, fixtures).
- Best practices for consistent tool-set naming to improve AI accuracy.

Module 7 - Dynamic Quantity Extraction

- Creating and managing measurement sets that auto-populate takeoff tables.
- AI-assisted quantity validation — catching missing markups or overlaps.
- Filtering quantities by layer, color, or author for trade-specific summaries.

Module 8 - Automated Reports & Exports

- Generating structured takeoff summaries directly in Bluebeam Max.
- One-click export to Excel or Bluebeam Cloud dashboards.

- Converting reports into proposal-ready visuals (charts, totals, subtotals).

Module 9 - Field & Office Coordination

- Using AI-linked markups to update progress quantities from tablets or Studio Sessions.
- Creating “percent complete” visual dashboards for progress tracking.
- Practical exercise: create a takeoff summary for a sample wall-cladding project.

Optional Modules: Optional Module 1 - Practical Use Cases & ROI

- Time-saving metrics from AI automation
 - Translating AI output into proposals and reports
 - Example: using AI-Review results in a River Ridge-style project proposal
- ### Optional Module 2 - The Future of Digital Construction
- How AI & MCP ecosystem expand Max’s capabilities
 - Ethical and data-handling considerations
 - Career advantage of mastering AI-assisted workflows