



Revit Architecture Rendering

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Roy Pedersen, AIA  
Associate Principal  
The KlingStubbins Associates

## Cruising to success.

Revit® Architecture software helps The KlingStubbins Associates cruise to faster completion and improved client relationships on Marriott’s proposed Renaissance Boston Waterfront Hotel and the 200,000-square-foot Digitas project.

### Project Summary

The KlingStubbins Associates thrives on complex design projects with aggressive schedules. For more than 50 years, the firm’s architects, designers, and planners have completed projects throughout the country and around the world—in hospitality, science, education, civic, healthcare, and commercial industries. The firm’s proven excellence in hospitality design led to its selection as the designer of Marriott’s proposed Renaissance Boston Waterfront Hotel. “The hotel is a 21-story, 390,000-square-foot project, with 471 guest rooms and suites,” says KlingStubbins project manager Roy Pedersen. “It also has a grand ballroom, a junior ballroom, a full-service restaurant, a business center, and meeting rooms.” To maximize productivity on the project, KlingStubbins turned to Revit Architecture, the building design and documentation system that works the way architects think. “My focus is on technology tools like Revit Architecture that improve the way we practice architecture,” says Jeff Millett, the firm’s Director of Information and Communication Technology. “Revit Architecture has amazing potential to help our architectural staff do their jobs better.”

### The Challenge

The Marriott project was subject to several rounds of design review by the Boston Redevelopment Authority and Massachusetts Port Authority. “We had to be able to show them what we were doing—and how we were responding to their previous comments,” says Pedersen. The 10-member architectural design team needed a software tool that could ensure clear communication with the project’s many stakeholders as well as automatically generate coordinated construction documents from the building model.

### Quickly Respond to Feedback

“Using Revit Architecture, we could generate informative 3D images,” says Pedersen. “Stakeholders understood exactly what we were up to and were able to quickly return comments. It saved us a lot of time.”

### A Better Way of Working

“As we made the changes, Revit Architecture automatically updated the construction documentation,” continues Pedersen. Purpose-built for building information modeling (BIM), Revit Architecture software treats information



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*“Our team could not have done what it did—on time and on budget—without Revit Architecture.”*

Chris Leary, AIA, LEED AP  
Associate Principal  
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holistically. As you design, Revit Architecture automatically creates or updates all other building data—floor plans, elevations, sections, 3D views and renderings, schedules, and more.

### Work Faster

For example, at one point the architects realized that they needed more air-duct space above the fourth floor ballroom ceilings. “We couldn’t make the ducts any flatter without also making them too wide,” says Pedersen. “To create more space for ductwork, we raised the fifth floor, which had a ripple effect through the entire 21-story building. Normally, that would have taken us weeks to coordinate. Using Revit Architecture, we finished in two days.”

### Get Started Quickly

Because Revit Architecture is easy to learn, team members can get up and running quickly. “During the last week of work on the Marriott project, I got pulled in to modify the exterior of the building,” says Millett. “Since I had never worked with building elevations in Revit Architecture, it was a scary prospect—especially with a deadline. Initially, I double-checked my elevation changes to make sure they updated in the plans as well, but that did not last long. Revit Architecture automatically coordinated my changes in all other document views.”

### Spend More Time Designing

Another KlingStubbins project highlights more of the software’s capabilities. Last spring, the Boston marketing agency Digitas contracted KlingStubbins to help select and design a new 200,000-square-foot downtown headquarters. At first, the architects used another CAD program. “My team was spending too much time calculating square footages and entering data into Excel spreadsheets by hand to analyze designs,” says architect Chris Leary. “It was a waste of time. Using Revit Architecture, we did all that automatically. We could make changes up to an hour before a meeting and still leave with the data we needed. It was a tremendous confidence booster for our clients.”

### The Result

Building on the success of these projects, KlingStubbins has chosen to standardize on Revit Architecture. “All our projects will be done in Revit Architecture—from schematic design through design documentation to construction documents,” says Millett. As a result, the architects will be able to spend more time doing what they love: designing buildings.

### Work as a Team

“Eventually, our goal is to have all of our partners—structural and MEP—using Revit® Structure, Revit® MEP, and other Autodesk solutions,” says Millett. “Once they’re on board, we expect to produce better-coordinated documents and reduce potential change order costs and schedule delays.”

To learn more about Revit Architecture, visit [www.autodesk.com/revitarchitecture](http://www.autodesk.com/revitarchitecture).