IMAGINiT
T E C H N O L O G I E S
A RAND Worldwide Company

M&A
Meacham & Apel Architects, Inc.

Meacham & Apel Architects Implement Autodesk Revit®

THE CLIENT

Meacham & Apel Architects of Dublin, Ohio, has turned visions into reality for hundreds of satisfied clients since 1980. They have received several architecture and design awards as a result of their dedication to providing superior designs and exemplary service.

THE CHALLENGE

Meacham & Apel used AutoCAD® for many years and wanted to stay ahead of the competition in terms of industry direction and innovative technology.

DESIRED OUTCOME

The company realized Building Information Modeling and Autodesk Revit Building represented an important transformation in the design delivery process. "It was a key objective to evaluate the benefits of this technology and how it would affect our organization," stated Dave Kerr, Project Architect.

THE SOLUTION

"We attended a seminar on Revit and BIM (Building Information Modeling) and how the technology would affect the future AEC industry. Immediately after the conference, we began thinking about implementing the software into our organization," noted Dave. The IMAGINiT TakeAIM approach to implemenation identified the company's unique needs and provided a roadmap with milestones they could follow before, during, and after their on-site activities. Dave noted, "We adopted the Take AIM implemenation process because it assured us a smooth transition through appropriate training and one-on-one instruction."

Jenna Stiles, IT/CAD Administrator stated, "IMAGINiT helped set-up the groundwork for moving forward with Revit, which was very beneficial for us." Meacham & Apel sent a group of users to the IMAGINiT Columbus office for a Revit Fundamentals course. Application Specialist Brian Skripac showed them how to take advantage of BIM, and how to transition from AutoCAD to Revit. "As part of the Take AIM approach, the subsequent series of courses showed us how to apply the concepts to our unique projects which was very valuable," added Dave.

ACTUAL RESULTS

Dave noted, "Being able to see our building come together in 3D was a huge benefit. The fact that all references were tied together was a huge savings of time and potential future frustration. With Revit, we were able to detect and correct several interference issues and coordination errors in the 3D model that would not have been discovered until the design went to the field."

Meacham & Apel takes reference errors very seriously and they usually have someone check every reference before the design goes to construction. "As a project manager with 12 years experience, I don't think I have ever seen a project go out that was free of reference errors. Revit gives us the grounded confidence that all the references are covered, which is pretty amazing," confirmed Dave.

Another important advantage of Revit was being able to communicate design concepts to builders and clients at various intervals in the project lifecycle. "Having this functionality built into the construction document process was a big help to us , and was something we were unable to do in the past without elaborate modeling," added Dave. Meacham & Apel has successfully completed several projects with Revit. In all cases they finished the projects on time and on budget. While Meacham & Apel is still in the process of implementing Revit throughout their firm, they continue to discover additional ways to decrease the time spent on projects and increase their overall project efficiency. "Revit allowed us to minimize the change orders due to employee coordination errors, make smarter decisions in a timely manner, and solve complex design problems with more efficiency, which has been very advantageous for our entire organization," concluded Dave.