



CAD Camp 2009

CAD Management Implementation & Innovation: A BIM Manager's Role

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S4-5

Course Summary:

You lead this group away from flat, disconnected information; your solutions can generate real-world and usable data at will; you control 5+ Dimensions in your world; your teams see, interact and maintain the same information all at once, wherever they are... and everyone around you thinks you've gone mad.

Welcome to the world of BIM management. Here, you'll be presented with roles reflective of the project owner, architect, contractor, engineers and fabricators. Day to day, your embrace will carry the weight of reforming hundreds of years of traditional practice. You may have heard of BIM. What is it? How do we get there?

In this training session, Aaron D. Wagner, BIM Manager for Architects Hawaii Limited will give you some helpful tips, provide you insight on pitfalls to watch out for, and show you a light in your path to achieving success for you and your firm.

Hardhat optional.

Instructor:

Mr. Wagner has more than 10 years of experience in the design and architectural industry. He applies his knowledge of the life cycle of the built environment as Architects Hawaii Ltd.'s first BIM Manager. He has trained and fostered 39 AHL staff members into becoming proficient Revit users; recently, one principal participated in his new Revit for management pilot training. Since becoming heavily engaged in implementing Revit and focusing AHL's efforts into the BIM process, he has managed and maintained more than 21 projects utilizing Revit. Of those, two are currently undergoing construction, three are in CD design phase, 12 in DD, four in SD/Preliminary design, and the numbers are growing every day. These projects have proven that Revit is the right tool for our industry's new age. Some have been completed with the success and measure of information they might not have seen before this process.

Mr. Wagner is passionate about BIM, and aspires to educate others on this process and how all aspects of the building industry can benefit from it. Mr. Wagner sits on the committee and is a contributor to the National BIM standards.



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Take on the title. Be the BIM Manager.

- Let's everyone share a big "Thank you!"

- Now down to business...
 - What does "BIM Manager" mean?

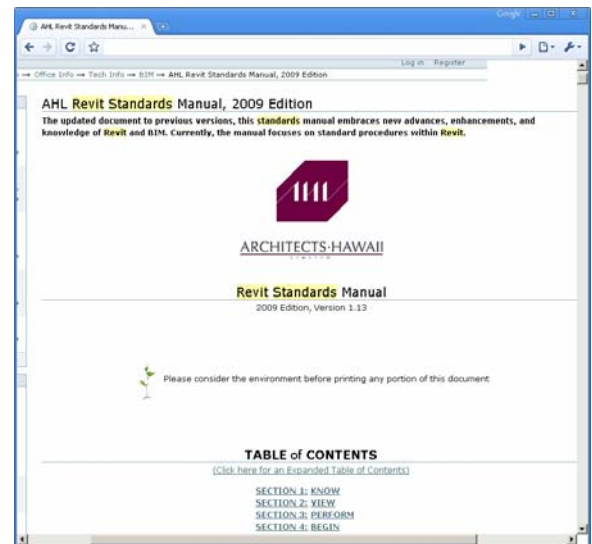
 - Throw out the waste, recycle what's necessary, move forward.

 - Stay the course.

BIM as the Efficient

Standardize!

- NOW is the time to prevent bad habits from forming.
- Establish a standard, and diligently enforce



AHL Revit Standards Manual is clickable, easy to browse, and ever-evolving

Achieve efficiency through an efficient process

- Maintain level of efficiency in how you operate in order to ensure the efficiency of the tools you implement.
- Create a system that allows you to continually update and support your standard on all projects at any time.
- On track, on task, on time.

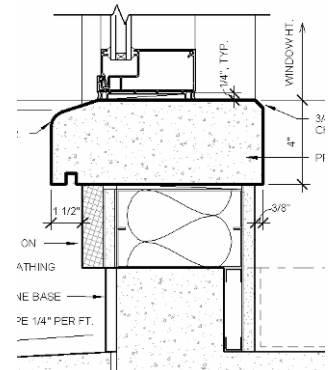
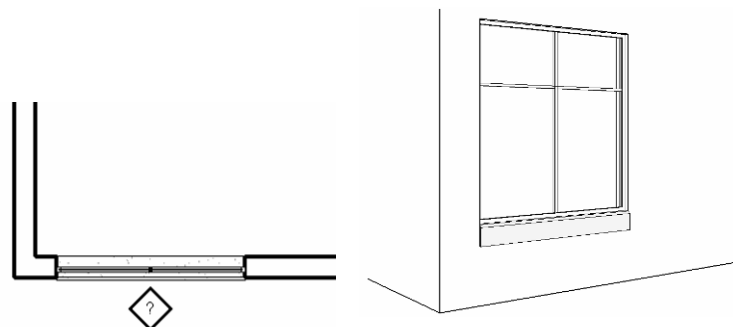
A well-oiled machine

- A tool only works as well as its user(s).
- Create rules and methods that establish efficiency
 - Model & View Level of Development (LoD),
 - 20-foot-rule
 - Open specific worksets
 - Other: View filters, templates, service packs
 - Simple: Only model what you need to in order to fulfill project requirements
- Let Revit handle only what it needs to, leave the rest to the specialists



Interoperability between team members and software is key

- On track, on task, on time.

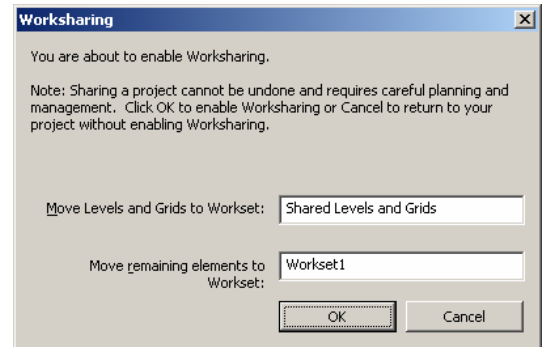


“20-foot-rule” could save you time

BIM as the Collaborator

A team that plays together makes great BIMs!

- Purpose of BIM model: information harvest
- Worksets allow more than just multi-user production
- Be sure that your goals are in-tune with your team mates' goals
- Consistency and teamwork are vital



Enable Worksharing? YES!

The “other” needs of the project

- All project needs are needs of the project
- Specifications
- LEED / Sustainability
- Cost
- Building codes



36 LEED credits can potentially be monitored using Revit

BIM as the Vision

Use BIM to keep track of project goals

Changing tradition is not without cost... or effort

- Depending on your company's structure, you may be continually faced with scrutiny
 - Stay positive
 - Keep the goals in mind
 - Discover ways to "sell" the process
 - Sunpath simulations
 - 3D walkthroughs
 - Help with LEED
- Determine what you want BIM to mean for your company

The tool for project information gathering

Set your path, accept failure, prepare for success