



Making BIM (Revit) Work for me.

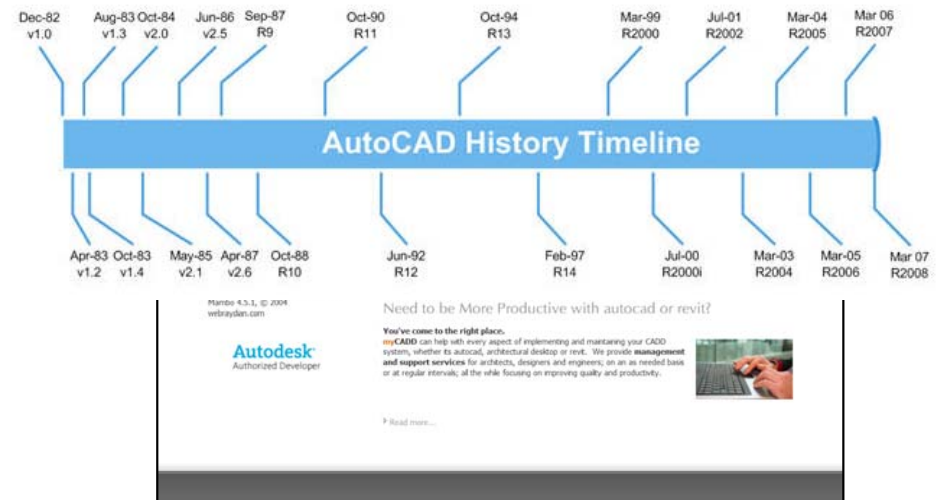
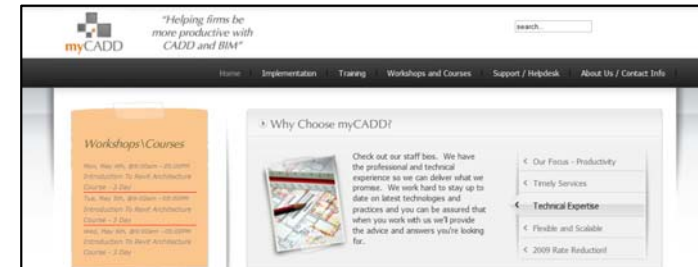


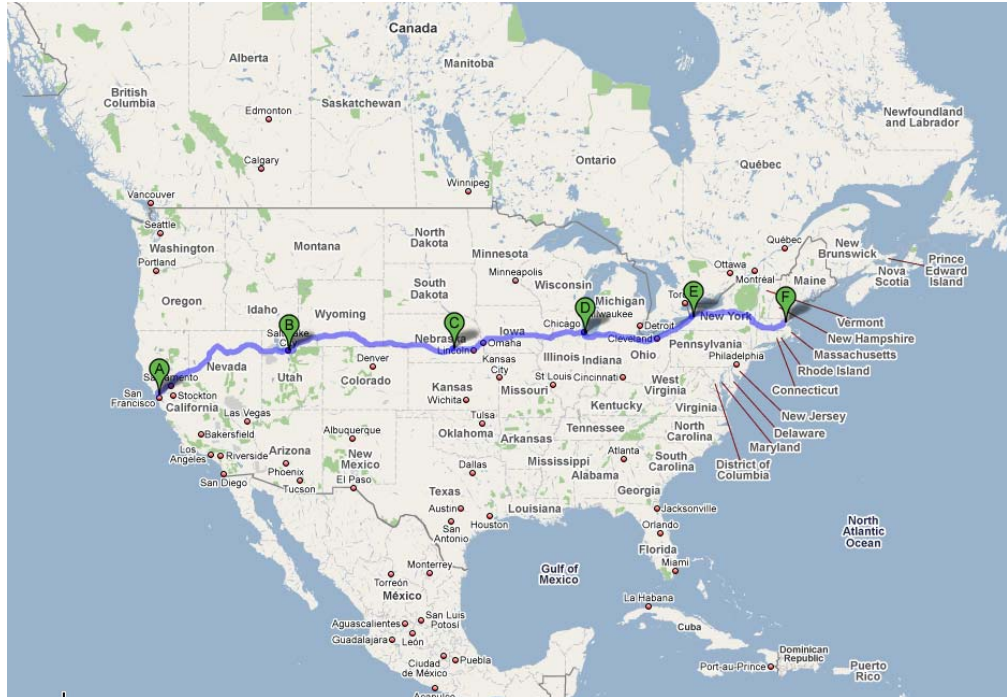


About the Speaker

Troy Mifsud

- ❑ President myCADD
- ❑ Service Point Partner for Implementation, Training, Support autocad, autocad architecture, revit Architecture (educational and healthcare projects)
- ❑ Long time autocad user (started with R2.6)
- ❑ Speaker at Autodesk University
- ❑ Video books author - autocad, architectural desktop, revit
- ❑ Revit Certified Expert





What does your plan to move from
Autocad to Revit Look like?



- What are your top 3 reasons for switching to Revit?
 - Do things I can't do with CADD
 - Do things better than CADD
 - # 1 Reason - Client or Project required BIM!!!

- So what now? What's the next step? How do I make BIM work for me?

Software Adoption Process

Phase 1 – Define Goals

Phase 2 – Implementation

Phase 3 – Training

Phase 4 – Support



Phase #1 - Define your goals!

- Start General -> move to specifics.
 - Use revit exclusively from concept to completion.
 - Use revit for X, Use autocad for Y,
 - At least as productive as we are with CADD.
 - Meet all project deadlines.
- Is goal achievable? If not, what is achievable?

- My Goals (1st project)
 - 1st Project – CADD replacement
 - Meet all deadlines
 - Produce all CD's and presentation documents with Revit
 - Improved productivity and document quality
 - 2nd Project – Leverage Additional Tools
 - 3rd Project and Beyond – Design Analysis
- How do you ensure you achieve your goals?



- **Phase # 2 – Implementation**
 - Hardware and software setup
 - Templates and libraries
 - Standards and Best Practices
 - Working towards your defined goals

[Sample Implementation Plan](#)



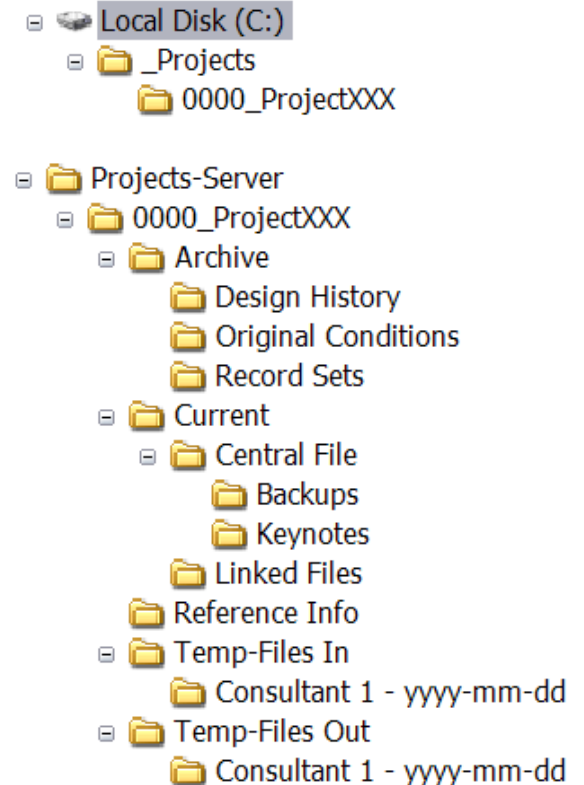
- Phase # 2 – Implementation
 - Hardware/Software Infrastructure
 - Workstations
 - Ram
 - Quad-core
 - 64-bit
 - Virtual Memory Settings
 - Server
 - Gigabit and wiring
 - Storage capacity
 - Installation
 - Deployment
 - Add-ons (autodesk subscription, 3rd party tools)
 - [Autodesk model performance notes](#)



- Phase #2 – Implementation – Software setup
 - Installation Deployments
 - Extensions and Add-ons
 - Revit.ini
 - <C:\Program Files\Autodesk Revit Architecture 2010\Program\Revit.ini>
 - Keyboard Shortcuts
 - <C:\Program Files\Autodesk Revit Architecture 2010\Program\KeyboardShortcuts.txt>
 - Startup Batch
 - <C:\myCADD\Revit Standards\Setup-Installation\myCADD-Revit2010.bat>

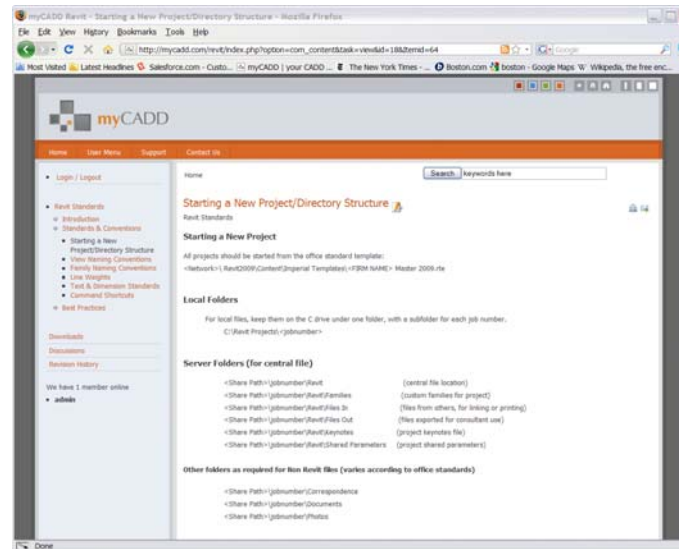
- Phase #2 - Implementation - Standards

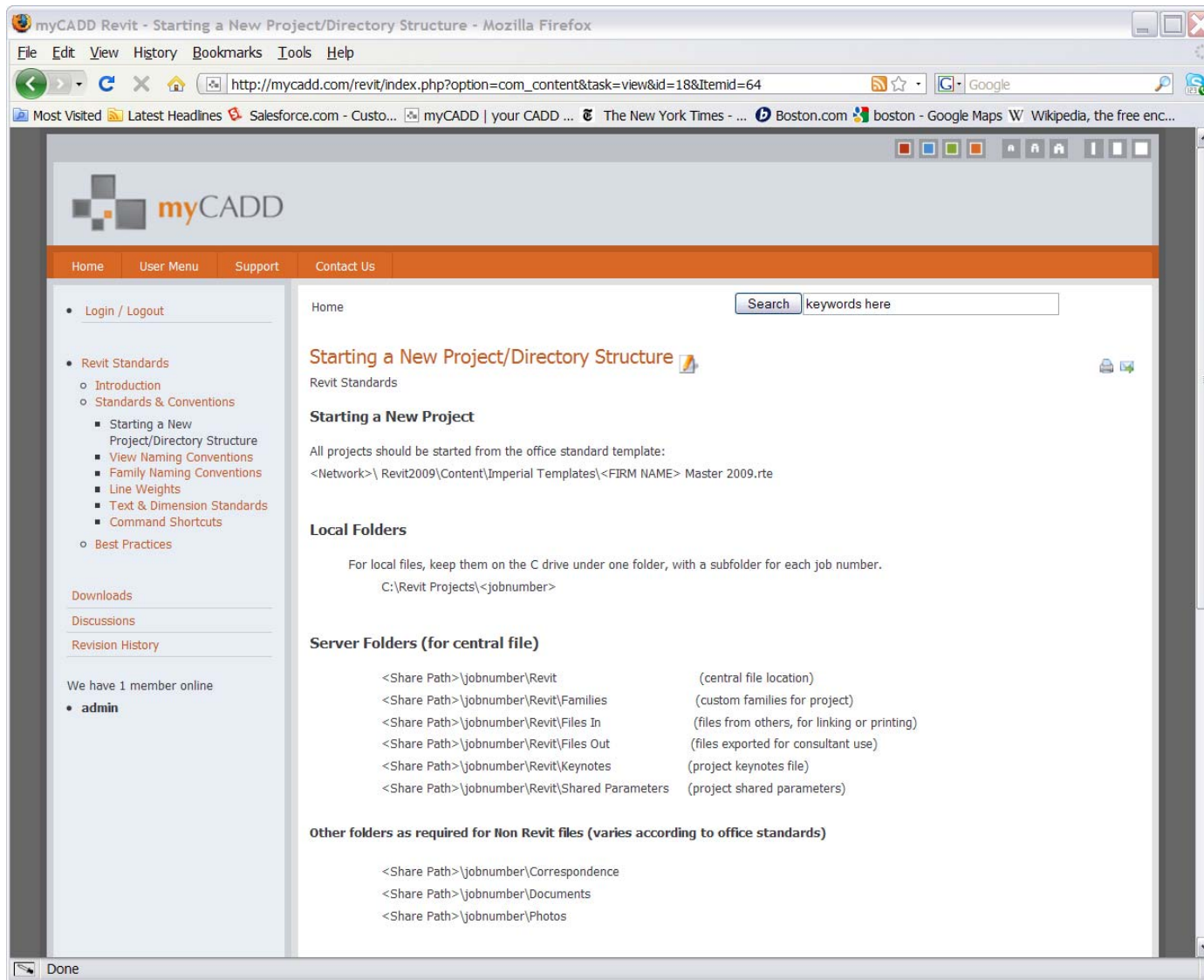
- Server folders, workstation folder
- View naming conventions
- Family Naming Conventions
- Keyboard Shortcuts
- Import/Export Translation Files
- Line weights
- Graphic Conventions





- Phase # 2 – Implementation – best practices
 - Document any “multi-step” process.
 - How do you ensure everyone is up to speed on standards and best practices?
 - [Intranet](http://www.myCADD.com/revit) (Extranet) www.myCADD.com/revit





myCADD Revit - Starting a New Project/Directory Structure - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://mycadd.com/revit/index.php?option=com_content&task=view&id=18&Itemid=64

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Starting a New Project/Directory Structure

Revit Standards

Starting a New Project

All projects should be started from the office standard template:
<Network>\ Revit2009\Content\Imperial Templates\<FIRM NAME> Master 2009.rte

Local Folders

For local files, keep them on the C drive under one folder, with a subfolder for each job number.
C:\Revit Projects\<jobnumber>

Server Folders (for central file)

<Share Path>\jobnumber\Revit	(central file location)
<Share Path>\jobnumber\Revit\Families	(custom families for project)
<Share Path>\jobnumber\Revit\Files In	(files from others, for linking or printing)
<Share Path>\jobnumber\Revit\Files Out	(files exported for consultant use)
<Share Path>\jobnumber\Revit\Keynotes	(project keynotes file)
<Share Path>\jobnumber\Revit\Shared Parameters	(project shared parameters)

Other folders as required for Non Revit files (varies according to office standards)

<Share Path>\jobnumber\Correspondence
<Share Path>\jobnumber\Documents
<Share Path>\jobnumber\Photos

Done



- **Phase #2 – Implementation – Template**
 - Standards are not just about consistency, **they are about Productivity!!**
 - What goes in a Revit template?
 - Graphic Conventions
 - Building Component Families
 - Legends
 - View Templates
 - Custom Parameters
 - Phases
 - Browser Organizations
 - Prototype Sheet Set
 - Plot Setups
 - Schedules
 - Keynotes
 - Symbol and Detail Libraries

- **Phase #3 - Training**
 - Is there much to learn?
 - Do you think staff can learn Revit on their own?
 - Do you think staff can learn AND implement Revit on their own?

- Phase #3 - Training
 - How do you train in Revit?
 - Pre-Project Training
 - Project Based and Role Based Training
 - Introductory Training
 - Tutorials
 - Introductory “hands-on” training
 - Custom for project
 - Train your support team
 - Standards and Best Practices Training



- Phase #4 –Project Support
 - What is required for support?
 - Still lots to learn after introductory training.
 - (especially if you haven't trained on your best practices!!)
 - Provide access to multiple types of support
 - Web
 - Internal
 - » Peer to Peer - Staff helping staff
 - » CADD\BIM Managers
 - What if internal team does not know answer?
 - » Autodesk Subscription
 - » Helpdesk
 - » Outsource BIM Manager



Summary

Document your plan

- Phase #1 – Define Goals
- Phase #2 – Implementation
- Phase #3 – Training
- Phase #4 – Support

The better your plan and the more you complete before you start projects the more likely you are to

Make BIM work for you!



Thanks + Q&A

Email me for Copies of anything you've seen referenced in presentation.

Email: Troy@myCADD.com

Q&A

