MEL PERSIN, AIA

AEC NETWORK/CAD/BIM MANAGEMENT, IMPLEMENTATION & TRAINING

Specializing in Autodesk AutoCAD /Revit Architecture, Structure & MEP Solutions

Overview of Professional Experience and Goals

I attended Universtiy of Illinois for three years and completed my undergraduate work and received my bachelor's degree from Chicago Technical College in 1968. I served one year in the Naval Air Force and five years in the Naval Air Reserves. I received my licensed to practice Architecture from the state of Illinois in 1972 and my architectural practice have been focused on single family and multi-family remodeling and rehabillation over the past thirty-five years My residential practice includes many new single family residences from 3,000 SF to 15, 000 SF. I have acted as the developer, construction manager and contractor on a number of my client projects. I have also designed and developed construction documents for retail, commercial and recreational projects. My project leadership includes; site selection and planning; zoning analysis and code review; architectural design and construction documentation; bidding and permit administration; and project and construction management. In addition I have developed single family homes sites, acted as general contractor, and served as a client's field agent for construction observation and reporting.

I have used Autodesk and third party AEC software since 1985 for designing architectural projects and developing construction documents. I have customized AutoCAD's menus and develop programs for managing standards, incorporating architectural elements and exchanging data with other CAD, graphic and MSOffice software. I have developed 3-dimensional models and develop renderings for study and presentation. For the past twenty-two years I have taught all levels of AutoCAD courses in University's, Community Colleges, and corporate clients throughout the Mid-West. Over the past ten years I have taught Architectural Desktop 3.3 through AutoCAD Architecture 2008 and for the last five years Autodesk Revit Building 4.5 through Revit Architecture 2008

In 1990 I added Novell network management and in 1999 Windows 2000 network management to my computer technology skills. I have setup network infrastructures for small and medium size architectural and engineering clients, while providing information technology and CAD management and support services.

In 1992 I worked on facility management databases and provided services for clients with commercial and retail real-estate, managing building space and resources, and reporting tenant space allocation and lease information. In 1999 I represented a major interior design firm for several years as their facility manager managing building and human resource information for a number of national corporate clients.

For the past four and a half years I have been working with Autodesk Revit Building (now Autodesk Revit Architecture 2008) software on residential projects, teaching Autodesk Revit at Moraine Valley Community College, providing sales and technical support and training for local Autodesk Revit resellers and coordinating two Autodesk Revit user groups. In addition, in 2005 provided training and instructional services for Autodesk, Inc. on Revit Building software at the AIA 2005 National Convention in Las Vegas, the Western AE Sales Group and Autodesk Educational Marketing group at the Design America Competition and Conference.

In my journey as an architect, facilities manager, network administrator and technology specialist it has been my objective to help architectural, consulting engineers and their clients to develop a clear understanding of technology and now Building Information Modeling (BIM) approach to performance based design, engineering analysis and simulation, document management and coordination, collaboration of the key participants in completing a successful building project. Developing an integrated process and methodology at the programming and client criteria of a project, coordinating and collaborating with design and engineering consultants at the onset of schematic design and interaction with construction estimating and logistics during the design document phases insures that information is exchanged between the major stake holders necessary to insure that the discussion process is explored and supported at every juncture and nexus in order to make the best informed descisions concise at the appropriate time during a projects development.

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Information is the key to a BIM approach, and early integration, coordination and collaboration of the design and engineering performance and analysis data guarantee a building project success in meeting time schedules and cost estimates. Innovative and integrated technology solutions enhanced a project's success and empower managers and design staff to focus on design descisions rather than graphical representation drafting.

My work for the past several years with an Autodesk reseller, located in the Mid-West states, gave me the opportunity to work with AEC companies in implementing BIM technology solutions and Autodesk Revit software. Many of my clients have successfully integrated Revit software into their practice and work-flow process.

My involvement with architectural and engineering clients is to guide them through the transition of BIM technology software integration and enable staff in implementing BIM technololology as Revit Architecture, Structure and MEP software, and coordinate the change to the firms culture for developing standards, content and architectural processes tro maximize the resources and deliverables toward greater profitability in their market place. Each firm is unique and training and support solutions need to address their culture, staff and client project needs. Improving their use of BIM technology solutions expands their exploration of design issues and goals, increased productivity, maximizes efficiency in managing drawing information and reduces coordination errors.

But an architectural or engineering firm's design and production document process is not limited to the single implementation or utilization of just CAD or BIM technology software. Many other technologies, both hardware and software, contribute to the overall success of a building project's visualization, documentation, coordination and collaboration between the design and engineering professionals, contractors, material manufactures and fabicators. As such my collateral experiences in using a myriad of graphic programs, office software and understanding of the architectural process and methods for deliverable product, user interface with network infrastructure technology and application software, and project management provides me a broader view for integrating a BIM approach and supporting technology solutions, coordination of data between diverse share holders and integration of intersecting software programs for anaylsis and simulation of the virtual parametric building model.

BIM technology will enable early analysis of energy usage to achieve the present and future mandate for sustainable design, greener design solutions and reduce our use of carbon based energy. better collaboration between the design, engineering, construction process, , and building operation and management of building project throughout its life-cycle. This panoramic-view of multiple technology solutions enables early discovery and rapid resolution of conflicts and interference between hardware, software, process and resources needed to integrate and collaborate throughout the schematic design and engineering development phases of the project. Sharing and exchanging information between multiple technology solutions utilized by multiple design disciplines creates multiple interoperability issues, which can be integrated through BIM technology solutions.

These skills and experiences have lead to my ability to lead architectural and engineering firms in transitioning their current 2D/3D drafting methods into an integrated parametric building modeling visualization, coordination and collaboration process, developing greater productivity, improving accuracy of project information and coordination of project documents. The benefits are improved design analysis and descision making, reduction of time and project resources, better drawing quality and coordination, meeting schedules and deliverables, increased visualization for contractor and client understanding, and leveraging of BIM data throughout the projects life-cycle.