**John Flanagan**

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**EDUCATION:**

University of Colorado, 1989

Architectural Engineering

Business Finance  
Architectural Engineering 4 years  
Business Finance 2 years  
Emphasis in Organizational management and Business Law

Overland High School, 1983, College Prep, Architectural Design 4 years

**OBJECTIVE:**  
With the slight improvement in the economy I am looking to find a high profile Architecture firm, MEP firm or A & E firm that has position that would match my experience and background. Also I am hoping to once again work on some creative and challenging projects.

**Skills**:

Project management, Cost analysis, communication with clients and management, Field Engineering (at Intel), Auto CAD, most recent version 2014 (Currently used 10 years) Auto CAD MEP (2 year) Fab Pro (1 year) Navis Works (Conflict resolution), BIM program editing and basic BIM design, Microstation (Currently used 2 years), Due Diligence field work, Autodesk Revit (currently used 1 year) also I have been doing hand drafting since my freshman year of H.S. 24 years

**Career Level**: Mid-Career to Executive level (10 years of experience) Date of Availability: Immediately

EXPERIENCE:

**9/2008-4/2014 Flanagan Design Inc.,** **AZ/WI**

**Architecture, Project Management, Architectural Design, Architectural Drafting**

Client coordination, selection of contractors through bid process, ensure code compliance and coordination with village building department for historical certification issues. Work with Habitat for Humanity as architect and designer, as well as creating awareness for green/sustainable design within western Colorado. I was responsible for the design of several projects using "green architectural design". This included meeting with clients to determine overall design issues, meeting with village officials to ensure design approval and coordinating contractors for construction. I was responsible for the production of the construction documents for Custom to High-end residential homes including creating detail and block libraries along with CADD standards.

Also free lanced for following MEP firms; Hensel Phelps, Imcor and UMEC doing the following work:

Hensel Phelps Inc, Chnandler AZ

I was hired as a Field Engineer, FE work under Area Coordinators to ensure that the sub-contractors are installing the Intel tools according to the package. Duties: Observe, direct and report the activities of sub-contractors from all disciplines daily on the tools assigned to my AC. Attend daily tool owner meetings to coordinate with Intel the activities and progress of each tool. Solve any issues when the sub-contractors had questions, had issues with other subs, when there were clashes between the model and reality, when construction didn’t meet Intel standards. In short everything imaginable to move the tool from IFC to handing it over to Intel.

Imcor Engineering, Phoenix AZ

Duties: Detailing and annotation of 3-D models of process piping for Intel corp. fabrication shops in Chandler AZ. Break down of 3-D models from designers and standard set-up for drafting team to work on each individual tool and system. Understanding of Fab Pro software, in order to complete or finish portions of model or systems that might be incomplete or missing parts. AutoCad MEP, AutoCad, FabPro

University Mechanical Engineering Contractors, Tempe AZ

Duties: plumbing, process piping, detailing/annotating and fabrication drawings for the plumbing, process piping and unistrut assembly. Software used AutoCAD MEP, EastCoast CAD, Navis Works. I also assisted with the HSEB BIM editing.

I started annotation and detailing commercial and large scale industrial projects. I worked with 3-D programs called Autocad MEP, Eastcoast CADD and Navis my role was to take the information from the engineer and the project manager and lay out the piping and sheet metal from the units to the diffusers. Also route all piping including medical gasses. After the layout was completed I assisted with detailing each section and checking for conflicts with the structure and other disciplines using Navis. I also assisted the unit supervisor with the BIM program for the HSEB project; I checked all of the BIM connections for accuracy and helped with some basic BIM design on HVAC equipment. AutoCad, AutoCad MEP, BIM

**2/2008-8/2008 Nelsen Partners Inc., AZ**

# **Architecture, Construction Administration, Architectural Design, CAD drafting**

Key project worked on; Scottsdale Quarter, answer RFI’s, from the GC, respond to construction and design issues that arose during the construction phase, coordinate and organize the file system, bulletin distribution and revision process. In addition, I produced all of the CAD drawings and changes required to accompany revisions and bulletins.

**4/2006-2/2008 Fitch Architects Inc., AZ**

# **Architectural Design, CAD drafting, Job Captain**

During my time at Fitch I worked on many different projects from One-time roll outs to projects like Coffee Bean & Tea Leaf that were high in volume but not very different in design. My duties at Fitch ranged from CAD drafting working under a Studio supervisor to being a Job Captain; coordinating the design efforts of consultants, researching code compliance issues, red lining drawings for CAD techs to edit, making sure the CD set was complete and working with the Studio director to meet deadlines. Key projects I worked on; Coffee Bean & Tea Leaf, I was the Senior CAD tech on these projects and worked on all the plan, elevation and detail sheets. I also assisted the jr. tech’s with design solutions and red lining their work. I also worked on the Ling and Louie’s Asian Bar and Grill as a Job captain, Doing the code research, coordinating with the consultants, laying out the background files, working with the Studio director to complete the CD’s and following through with Construction Administration while the project was being built.

**9/1998-9/2003 McClier Corporation** **Chicago, IL**

**Architecture, Project Management, MEP Design & Drafting**.

I was primarily responsible for the production of architectural and MEP construction documents for large scale commercial and industrial projects. This required working with the project architect or senior engineer by understanding the scope of the project and developing his/her design ideas and finally creating the electronic files ensuring the accuracy and quality of the documents. Due to my experience and ability I was also put in charge of several phases of various projects where I was creating the design and supervising designers/draftsmen with less experience who were producing the electronic files. Projects that I worked on as a P.E. capacity are; Marshall Field’s renovation project, Detroit Times Newspaper, TSA project (upgrading security screening at 66 airports in the US), Dubai Airport United Arab Emirates. Projects I worked in strictly a production capacity American Airlines renovation at JFK airport, in-house drafting support such as updating detail libraries.

**7/1996 - 9/1998 Clark Engineers Inc., Phoenix, AZ**

**CAD Technician/MEP Design Production**

Knowledge of HVAC construction documents for large scale commercial/industrial projects. I have a working knowledge of single line and double line layout, understanding of air handler systems, HVAC duct work, diffusers, and returns. I have an understanding of process piping systems and CFM calculations. I understand the integration of ductwork and air handling units with structural member layouts.

I was responsible for first QC to identify any inconsistencies in CFM calculations unit sizing duct work sizing. I was also involved in field work to establish schematic layouts of existing HVAC, Electrical, Plumbing, Process Piping, Fire Protection equipment in tenant improvement projects. Also familiar with Electrical, Plumbing, Process Piping, Fire Protection drafting standards and Clean room layouts. Projects - Bank One Ballpark, Intel, Budweiser Dist., Scottsdale Spectrum, Sky Harbor International Airport expansion.

**3/1993 - 2/1996 Dietrick Conk Architects Inc., Phoenix, AZ**

**CAD Technician/Architectural Design**

Production of architectural construction documents for high-end residential projects. Responsible for site plans, floor plans, elevations, sections, and details. I was also responsible for creation of a 3D overlay package for creation of presentation drawings and marketing brochures. Key projects worked on included a series of residential projects in the upscale Boulders area of north Phoenix.

**References:**

**Professional references upon request**: