

BRIAN G. HARRELL

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SUMMARY

Highly regarded and dedicated senior level CAD designer with over 22 years of AutoCAD design and drafting experience. I am experienced in producing high quality and efficient contract documents while remaining flexible to adapt to a consistently changing design industry.

Ability to perform and deliver top notch work in high pressure work environments.

I have drafting experience in multiple disciplines such as Mechanical, Electrical, Special Systems, Structural and Civil. Extreme broad knowledge of PANYNJ, MWAA, and PHL Design Division CAD standards and regulatory codes and compliance standards.

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- Time Management Skills
 - Proficient with CAD symbols libraries
 - Client Experience
 - Ability to resolve complex problems & issues
 - Superior knowledge of design principles
 - High ability to handle multiple projects
 - Train and Develop new Drafters, Technicians & Engineers in Basic drafting and AutoCAD rules regulations and file management.
 - Effective Decision-Making & Management skills

PROFESSIONAL BACKGROUND

Burns Engineering - Philadelphia, PA

CAD / BIM Coordinator & Technician - June 2002 - Present

- Solely in charge of initiating setup of AutoCAD related projects, implementing CAD files from field surveys while following Client CAD standard guidelines.
- Championed the completion of numerous drafting projects for various clients
- Analyzed and compiled complex data, combining existing CAD files to co-exist within a UCS map for accuracy.
- Directed and trained co-ops from Drexel University on the basics of drafting and the usage and rules of AutoCAD.
- Imported various Autodesk Customizations which positively impacted design, drafting and workflow for fellow employees and engineers involved in all AutoCAD related projects.
- Familiarity with following Client AutoCAD standards and codes which were used as guidelines to initiate project setup and maintain discipline throughout the life of projects.
- Ability to incorporate various System variables and many AutoCAD shortcuts obtained from Auto Desk University to improve workflow, drawing cleanup designed for easy edits.
- Worked closely with multiple engineers and other designers to perform drafting of accurate drawing packages for various clients

- Responsible for maintaining and organizing file systems and file management for the production of drawing sets through the Sheet Set Manager Tool within AutoCAD.
- Ability to Review engineering drawings of all disciplines while supporting documents to verify freedom of constant moving parts while adherence to the organization of industry standards and practices

AECOM, DMJM Aviation/Day & Zimmerman - Philadelphia, Pa

CAD Technician - May 1997 - June 2002

- Assisted in various engineering design projects
- Reviewed CAD drawings to ensure adherence to established specification and standards
- Updated technical drawings per engineering change orders using AutoCAD
- Plan Development of Runway, Taxiway, Roadway and Parking Lot Rehabilitation projects
- Assisted with Aircraft Hangar and Apron site preparations and Utility infrastructure

Synterra LTD, Philadelphia, PA

Draftsman, June 1995 - April 1997

- Worked on site with Urban Engineers, Philadelphia
- Prepared engineering and architectural drawings and plans for the Runway 8-26 rehabilitation project for the Philadelphia International Airport
- Worked closely with CAD staff, Engineers, and Project Managers to obtain project information and ensure drawings were accurately and completed on time
- Worked within an Integrated Production Team (IPT) environment and effectively communicated with co-workers, facility & Systems engineers

EDUCATION

LINCOLN TECHNICAL INSTITUTE, Pennsauken, NJ - Mechanical Drafting and Drafting Certification

MASTBAUM AVTS, Philadelphia, PA - Diploma in Mechanical Drafting and Design

- **American Society of Plumbing Engineers**, Philadelphia, PA
- **ASHRAE Engineers Club**, Philadelphia, PA

Computer & Technical Skills

- AutoCAD Release 2020 / Sheet Set Manager
 - Revit Release 2015
 - Microsoft Office - (Word, PowerPoint Excel)
 - Highly detailed oriented with excellent oral and written communication skills
 - Advance knowledge / experience in the use CAD systems and modeling
 - Advanced Knowledge in compiling Contract Construction Documents
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