
P r o f e s s i o n a l

E X P E R T I S E

MATTHEW F. KNIGHT

Senior CAD Technician

EDUCATION AND SPECIAL TRAINING

Occupational Associate Degree in Computer Aided Drafting, National Education Center
Glendale, Arizona, 1990

Technical and practical training in Architectural Drafting

QUALIFICATIONS

Mr. Knight has served a wide variety of clients, including local and federal governments, municipalities, water and sanitation districts, school districts, and private developers performing as a Senior CAD Technician. His projects have included large residential and commercial land developments, municipal water transmission lines and sanitary sewer interceptors, public and private roadways, storm systems, regional detention facilities, planning, annexations, and zoning. His specific tasks and responsibilities have included surveying, basemapping, conceptual layout, planning, annexations, zone changes, preliminary and final designs, drainage studies, easement and right-of-way acquisitions, specifications, and construction drawings.

PROFESSIONAL EXPERIENCE

1/2005 - Present – Western Engineering Consultants, Inc. - Senior CAD Technician

Responsible for setting up company CAD standards, base file organization, setting up projects, and drafting development and construction plan sets for residential and commercial projects. Performs drafting and design using Civil 3D and AutoCAD. Coordinates set up of water, sanitary, and storm lines. Creates alignments, profiles, and pipe networks.

11/2004 - 1/2005 - Classic Metals, Inc., Denver, CO - Drafting/Programmer

Performed layout of parts to be cut on water jet machine utilizing AutoCAD 2002LT and programming of parts to be cut utilizing a program supplied by the water jet manufactory.

9/2004 - 11/2004 - Emery DataGraphic, Inc., Denver, CO - Conversion Technician

Converted maps and records from manual maintained, paper based form to computerized interactive databases. This process entailed placing the graphic detail, adding intelligence to the graphic detail, and correcting errors in the source material.

9/2002 - 9/2004 - Wisdom Industries, Merino, CO - Laser Operator/Cad Technician

Programmed C.N.C. machines utilizing P.E.P. CAM software from Measurement Masters. Developed cut sheets from assembly drawings, providing part number, material, and quantity information for each assembly. Responsible for layout of parts to be cut utilizing AutoCAD Release 14 and Version 2000, layout of assemblies in two-dimensional and three-dimensional views and creating the bill of materials for these assemblies.



Western Engineering Consultants, Inc.

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Civil Engineering · Land Planning · Landscape Architecture

7/2001 - 9/2002 - Pro-Tech Fabricators, Fort Morgan, CO - Laser Operator/Cad Technician

Operated and Programmed an Amada Laser utilizing a CAM software called Fabriwin. Performed layout of parts to be cut utilizing AutoCAD Version 2000i and layout of assemblies in two-dimensional and three-dimensional views and creating the bill of materials for these assemblies.

10/1999 - 7/2001 - Wisdom Industries, Merino, CO - Laser Operator/Cad Technician

Operated a Cincinnati CL-6 Laser. Programmed C.N.C. machines utilizing P.E.P. Cam software from Measurement Masters. Developed cut sheets from assembly drawings, providing part number, material, and quantity information for each assembly. Responsible for layout of parts to be cut utilizing AutoCAD Release 14 and Version 2000, layout of assemblies in two-dimensional and three-dimensional views and creating the bill of materials for these assemblies.

3/1999 - 10/1999 - Carter & Burgess, Fort Worth, TX - Cad Technician

Drafting for civil design projects related to airport improvements. Performed redline drafting utilizing MicroStation SE and AutoCAD Release 14. Tasks included layout of geometry, pavement markings and other miscellaneous improvements. Assisted with the coordination of utilities during plan preparation. Received a certificate for completing MicroStation Training.

1/1993 - 3/1999 - Wisdom Industries, Merino, CO - Senior Cad Technician

Supervised drafting department working directly with the design engineers. Checked and red-lined drawings before being approved by the engineer. Prepared part details and assembly drawing in two-dimensional and three-dimensional views utilizing AutoCAD Release 12 through Release 14.

RELEVANT EXPERIENCE**Land Development Projects**

- SunBorne Companies – Basemap, FBO Office Hangar, InterPort Boulevard Rehabilitation, InterPort Development Master Plan, Regional Pond L-1 Improvements, Taxilane Bravo, Englewood, Colorado
- J & L Management Services – Office Hangar, Centennial, Colorado
- Skyview Condominium Hangars, Greeley/Weld County Airport, Colorado
- The Landmark – High Rise Residential Towers and Retail, Greenwood Village, Colorado
- XJet Club Hangar and Office Complex, Centennial Airport, Englewood, Colorado
- Aquatic Consultants Inc., Private Estate Flood Diversion & Rehabilitation, Chama, NM
- Aquatic Consultants Inc., Brush Ranch - Pecos River Cabin subdivision, Pecos, NM
- Brighton Animal Clinic - Play Stay n More! Animal Daycare, Brighton, Colorado
- Brighton Reserve at Welch's Hilltop Acres, Hunter Development, Brighton, Colorado
- Chapel Hill Filing No. 2 Subdivision, Whitfield Construction, Brighton, Colorado
- City Bark, Stonegate Village, White Construction Group, Douglas County, Colorado

Municipal Projects

- City of Brighton Non Potable Planning & Mapping, City of Brighton, Colorado
- City of Brighton – Brighton Lateral Diversion City of Brighton, Colorado
- North St. Vrain Pipeline Replacement, Phase III and IV, City of Longmont Water & Wastewater Dept., Lyons, Colorado

