

William Tilson

Philadelphia, PA - Email me on Indeed: [indeed.com/r/William-Tilson/2e8ccc8fd574c8e5](https://www.indeed.com/r/William-Tilson/2e8ccc8fd574c8e5)

WORK EXPERIENCE

CAD Designer

Tech Source/Johnson Service Group, Inc. - Blue Bell, PA - April 2013 to Present

Responsibilities

CAD layouts, evaluations, P&IDs, tank and pump layouts, field sketched piping design, and material take-off. Utilized Microstation and Auto Cad for plant designs. Consulting with engineers and plant operators for design changes.

Skills Used

Computer aid system design, using client data base and specification to complete design.

CAD Designer

CAD Design GIS Survey - Tobyanna PA - February 2011 to Present

Tobyanna, PA, field walk down, sketching and measuring to locate equipment and tie-ins for upgrading systems. Utilized CAD programs to develop diagrams and update existing plans, sections and to develop drawing and material schedules.

Allstates Services 242 Chapman Rd Newark Del.

BE&K Engineering Company, LLC

CAD Designer

CAD Design Piping Drafting - Philadelphia, PA - April 2008 to December 2008

2D and 3D CAD design, field walk down and sketching to locate

tie-ins for boiler project. Utilized CAD programs to develop isometrics and update P&IDs, plans, sections and to develop material schedules.

DuPont Chambers Works Project: 2D and 3D CAD design, updated P&IDs per new design criteria.

Utilized PDMS systems to develop new piping designs and pipe supports. Performed field walk downs for survey to develop plans for new design criteria.

CAD Operator

JUDGE TECHNICAL STAFFING - Conshohocken, PA - September 2007 to December 2007

CAD Design Piping Drafting

Chemical and Pharmaceutical Plant

Perform design and drafting duties with the aid of AutoCad for plant designs, tank and pump layouts, field sketched piping design, and material take-off. Consulting with engineers and plant operators for design changes.

CAD Designer

CDI CORPORATION - King of Prussia, PA - June 2006 to September 2007

CAD Design Drafting

Fossil Power plant

Preformed drafting duties with the aid of Microstation programs, V7, V8 AND Iras/B.I also used programs such as AutoCADD 14 to 2000 and Documentum and /or DMS, /GPS WEDGE programs at Exelon Power Station/ PSE&G Power plant.

CAD Designer

SARGENT AND LUNDY LLC WILMINGTON DEL - Wilmington, DE - August 2004 to May 2006

CAD Design Mechanical and PIPING
Fossil & Nuclear Power Technologies

Cement Finisher

Hawthorne Construction - Philadelphia, PA - August 2002 to August 2004

Commercial construction work building forms and setting form for varies concrete projects. Also Finishing with the necessary tools to perform finish product. Blueprint reading to follow scope of work to complete projects.

CAD Designer

SARGENT AND LUNDY LLC WILMINGTON DEL - Wilmington, DE - August 2001 to August 2002

CAD Design Mechanical and Piping
Fossil & Nuclear Power Technologies

Preformed design duties with the aid of Microstation programs PDWB(3D Piping Design Modeling Program), Microstation 95 to 2000 and Microstation Iras/B.I also used programs such as AutoCADD 14 to 2000 and Documentum and /or DMS, /GPS WEDGE programs. Projects NYPA/New York Power Station, Council Bluffs Energy Station, Exelon Power Station and PSE&G Power plant

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JUDGE INC. BALA CYNWYD, PA 19004

CAD Design Piping Drafter

Merck & Co. Inc - West Point, PA - May 2000 to May 2001

CAD layouts, evaluations, P&IDs, isometrics, tank and pump layouts, field sketched piping design, and material take-off.

Utilized Microstation and Auto Cad for plant designs. Consulting with engineers and plant operators for design changes.

CAD Design Drafter

Dames & Moore - Willow Grove, PA - January 2000 to May 2000

CAD Design drafting of a Process water treatment plant. Utilization of the Auto Cad 14 program to create P&IDs, equipment arrangements and piping layouts for a new facility.

CAD Designer

3D Piping Design Modeling Program - Willow Grove, PA - 1995 to 2000

and Microstation Iras/B.I also used programs such as AutoCADD 14 to 2000 and Documentum and /or DMS, /GPS WEDGE programs. Projects Bluffs Energy Station, Exelon Power Station, Limerick Power Station, and Dominion Power of Virginia and PSE&G Power plant.

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Hawthorne CONSTRUCTION
Phila.PA

Piping Designer

FLUOR DANIEL, INC - Marlton, NJ - 1997 to 1999

Warner Lambert, Ringaskiddy Cork Co., Ireland

Performed isometric design and modeling on Plant Design System from layouts and redesigning existing systems.

Sun Association Projects, Sun Oil Company, Philadelphia, PA

- Conceptual Design Layouts, CAD layouts, P&IDs, Isometrics, tank pumps, and piping layouts.
- Trained and utilized the Plant Design System to model plant design.

Eastman Kodak, Rochester, NY

Designed U/F area for the 612-flow line using international standards, P&IDs specifications, reference drawings and job-related materials. Trained and utilized the Rebis Auto Plant CAD program to model piping design.

Phoenix Project, Ciba Geigy, Newport, DE

Designed tank and vessel project. Created tank and vessel drawings in connection with schedule and design data.

Piping Designer

T.R.S. STAFFING SOLUTIONS, INC - Marlton, NJ - 1996 to 1997

Sun Oil Refinery, Philadelphia, PA

Processed CAD layouts, evaluations, P&IDs, isometrics, tank and pump layouts, piping design, and material take-off.

CAD Design Drafter

RAYTHEON ENGINEERS AND CONSTRUCTORS - Philadelphia, PA - 1994 to 1995

Hoffmann-La Roche Corp.

Merck & Co., Inc.

CAD layouts, evaluations, P&IDs, isometrics, tank and pump layouts, piping design, and material take-off.

CAD Design Drafter

TECHNICAL AID CORPORATION - Plymouth Meeting, PA - 1993 to 1994

Renamed and designed new facilities, and restructured various tanks, pumps, and manifold layouts for chemical waste management projects. Responsible for CAD layouts, plans, elevations, P&IDs, and sectional detailing.

CAD Design Drafter

DAY & ZIMMERMAN, INC - Philadelphia, PA - 1986 to 1992

Sun Oil Refinery, Chevron Oil Refinery, RoHman Haas and Anhi Bush

CAD, board layouts, evaluations, P&IDs, isometrics for process food/chemicals, pharmaceutical, and waste management projects. Responsible for tank/pump layout redesign, piping, and material take-offs. Field sketched and measured piping to develop new designs for client's criteria.

Drawings consisted of flow diagrams, sections, detailing, etc.

Drafting Clerk

UNITED ENGINEERS & CONSTRUCTORS, INC - Philadelphia, PA - 1980 to 1986

Handled diversified duties for Electrical, Structural and Site Groups. Also secured, reviewed, and prepared reports and received approvals for engineering changes.

EDUCATION

Vocational in Design/Mechanical

Institute CAD

1985 to 1986

Civil Engineering Technology

Community College of Philadelphia

1980 to 1981