

# CURTIS L. SHOWVAKER

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## SUMMARY

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Talented and accomplished CAD/3-D Designer with a 30 year background in 2D & 3D design and modeling. Proven ability to efficiently and accurately produce conceptual layout, 3D models and construction drawings for complex structures and equipment. Skilled in various disciplines including Architectural, Structural, HVAC, Piping and Plant Layout. Experienced in Nuclear, Coal, and Gas Turbine Power, Environmental improvements including Flue Gas Scrubber systems and Bag Houses, Mining and Metals, Materials Handling, Chemical Plants, and the manufacturing and construction industries. Outstanding presentation, leadership and communication skills.

## RESPONSIBILITIES and OUTCOMES

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- Solved challenging design & layout issues.
- Was lead designer on various projects.
- Designed residences, steel structures, pipe racks, pipe supports, access platforms and stairs, equipment supports, concrete foundations, piers, piles, grade and elevated slabs, sumps and pits.
- Performed plant, equipment and site layout to include roads, railways, bridges and grading.
- Created 3D architectural, structural steel, concrete, equipment and underground piping models.
- Prepared steel & concrete detail, fabrication, construction, general arrangement, piping and P&ID drawings.
- Reviewed and checked design, erection and shop drawings.
- Created Excel spreadsheets for various calculations and tables.
- Conducted CAD training classes
- Provided plant layout design to coordinate spatial requirements of plant structures, systems, and components.
- Led design review sessions with clients and colleagues.

## SOFTWARE SKILLS

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Chief Architect X12, Revit 2021, AutoCAD 2021 PDS Frameworks, PDS Equipment Modeling, PDS Drawing Manager, Microstation V8i, Smart Plant Review, Navisworks, Bluebeam Revu, MS Office products

## EXPERIENCE

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<b>Curtis Showvaker Architectural Design</b> , Phoenix, AZ <i>Architectural, Kitchen &amp; Bath Designer</i>	2020-Present
<b>Capitol Engineering</b> , Phoenix, AZ <i>Steel Fabrication Shop Detailer</i>	2018 - 2019
<b>Wood Group Mustang</b> , Greenville, SC <i>Senior Civil/Structural/Architectural (CSA) Designer</i>	2014 - 2017
<b>O'Neal, Inc.</b> , Greenville, SC <i>Structural Design Specialist</i>	2012 - 2014
<b>Wood Group Mustang</b> , Greenville, SC <i>Senior Civil/Structural/Architectural (CSA) Designer</i>	2010 - 2012
<b>Fluor Enterprises</b> , Greenville, SC <i>Structural Design Specialist</i>	2006 - 2010

<b>WorleyParsons</b> , Reading, PA <i>Lead Layout Designer (2003-2006)</i> <i>Senior Mechanical/Layout Designer (2001-2003)</i> <i>Senior Structural Designer (2000-2001)</i>	2000 - 2006
<b>Terex Corporation</b> , Myerstown, PA <i>Structural &amp; Mechanical Designer</i>	1997 - 2000
<b>Parsons Power Group</b> , Reading, PA <i>Structural &amp; Mechanical Designer</i>	1996 - 1997
<b>Re-Tech Corporation</b> , Myerstown, PA <i>Designer/Drafter</i>	1993 - 1996
<b>Rutt-Martin Kitchens</b> , Myerstown, PA <i>Kitchen Designer</i>	1989 - 1993
<b>Showvaker's Cabinet Shop</b> , Hanover, PA <i>Owner/Cabinetmaker</i>	1986 - 1989

## **EDUCATION**

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<b>Reading Area Community College</b> – Reading, Pennsylvania Associate of Arts Credits – Business Major	2004 - 2005
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## **MILITARY EXPERIENCE**

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<b>PA National Guard</b> – Lebanon, Pa - 121 <sup>st</sup> Transportation Company <i>(E-4) 88-M Truck Driver</i> - Operation Desert Storm/Desert Shield Saudi Arabia, Iraq, Kuwait	1990 - 1991
<b>U.S. Army</b> <i>(E-4) 11-B Infantryman</i> Fort Riley, KS (1/18 <sup>th</sup> Infantry Battalion)	1978 - 1979
Baumholder, West Germany (1/13 <sup>th</sup> Infantry Battalion)	1975 - 1978