

# TERRY GLENN PEDEN SR

*Senior Multi-Discipline Computer Aided Design Engineer*

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Highly experienced computer aided design engineer for multi-disciplines and diversified projects. Proficient in AutoCAD, AutoCAD Architecture, AutoCAD Electrical, AutoCAD Mechanical. In-depth knowledge of modern safety and design practices, standards, and codes. Ability to provide accurate drafting from new and existing engineers designs. Ability to interact effectively with management, associates, clients, and create excellent rapport. Ability to work on different projects simultaneously. Hard working, loyal and confident worker with a go getter attitude. Passionate to deliver the best for every project.

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## AREAS OF EXPERTISE

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Computer Aided Design Drafting in Architectural, Electrical, Mechanical, Civil, Electronic, Structural, GIS/Telecom Disciplines. Residential, Commercial, Industrial, Government, Education, Military, Aerospace, Automotive Automation Industries. Machine, Control Panels, Conveyors, Switchgear, Millwork, Topography, Construction Panel Layouts, Schematics, P&ID, CNC, High/Medium/Low Voltage Projects.

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## EXPERIENCES AND ACHIEVEMENTS

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### **The Draftsman LLC, Alpharetta, GA** **Owner/Operator / CAD Engineer 2020-Present**

- SERVICES: Contract Remote CAD Engineering, Planning and Consulting in the Architectural and Engineering Environments for Residential-MultiFamily-Commercial-Industrial-Manufacture-Historical Preservation Building, Aerospace & Defense, Automotive & Transport, Material Handling, Logistics Automation, Food, Healthcare, Telecommunications, and Nuclear industries.

### **Vanderlande Ind., North American Headquarters, Marietta, GA** **Oxford Contract Electrical CAD Project Engineer II 2025 to Present**

- Logistic Process Automation in the warehousing, airports, and parcel sectors.
- Produced complex 2D Firm and Install drawing sets for material handling and logistics automation engineering projects from AutoCAD 3D Drawing Files engineers' sketches, notes, and data using Autodesk AutoCAD Electrical 2022 and 2025.
- Conveyor System Layouts: Control Panels, E-Stop Zones, Field Devices, Photo-eye Installations, Networks, STO, DC Power, I/O Power, 480VDC, Single Line Schematics, I/O Block Schematics, Safety Schematics, Relay Interface Schematics, Typicals, SPO Connections, PDF, QC and XREFS.
- Responsible for checking drawings for accuracy including dimensions, spelling, drafting standards and completeness utilizing correct project design criteria.
- Communicated with other project engineers and 3D designers to develop drawings and resolve design discrepancies.
- Software: AutoCAD 2022-2025, NAVIS 2025, Bluebeam Revu 21, MS Office 2025.

### **Caterpillar Inc., Electric Power Division, Switchgear Americas, Alpharetta, GA** **TRC Contract Electrical/Architectural Design Engineer 2022 to 2024**

- Produced complex 2D engineering drawings from engineers' sketches, notes, and data using Autodesk AutoCAD Electrical 2022 and Vault 2023.
- Developed wiring diagrams, connection, one-line/three-line, schematic/elementary, logic and conduit/raceways to include Generals, Fields, Labels, Wiring, Assembly, Applications, Door Pens, BOM, Quality Control, and Reports.
- Issuing for Engineering, Production, Field Startup, and Asbuilt Drawings.
- Responsible for checking drawings for accuracy including dimensions, spelling, drafting standards and completeness utilizing correct project design criteria.
- Responsible for all Asbuilt and Standard 4.4 drawings.

- Communicated with project engineers and other disciplines to develop drawings and resolved design discrepancies. Design Review, Scope, Project Timeline, CAD Production Meetings.
- Projects include Automation, Control Panels, and Switchgear.
- E911 Project Update Manager: AutoCAD 2020 and Archibus software to design and update the new E911 system from the old 911 system and become compliant.
- Architectural Design for building updates, cubicle design, and safety plans using AutoCAD Architecture 2022.

**S&H Systems, Integrators, Jonesboro, AR**  
**OXFORD Contract Electrical Designer 2022**

- Developed wiring diagrams, connection diagrams, one-line/three-line diagrams, schematic/elementary diagrams, logic diagrams and conduit/raceway diagrams.
- Produced complex 2D engineering drawings from engineers' sketches, notes, and data.
- Responsible for checking drawings for accuracy including dimensions, spelling, drafting standards and completeness utilizing correct project design criteria.
- Communicated with project engineers and other disciplines to develop drawings and resolved design discrepancies.
- Projects include Automation, Control Panels, and Conveyor Systems.

**Richard Landau Architects, Commercial Architectural Designer, Blairsville, GA**  
**PDE Contract Architectural Draftsman 2018 to 2021**

- Utilized AutoCAD Architecture and Design Master HVAC AutoCAD Add-on to produce drawings for the complete architectural package to include: Title Sheet, Life Safety, Floor, Foundation, Framing, Roof, Reflected Ceiling, Interior and Exterior Elevations, Sections, Electrical, Mechanical, Plumbing, Survey, and Site Plans.

**PDE Peden Design Engineering, Atlanta, GA**  
**Owner/Operator / CAD Engineer 2000-2020**

- SERVICES: Contract Design, Planning, Consulting, and CAD Drafting in the Architectural and Engineering Environments for Residential-MultiFamily-Commercial-Industrial-Manufacture-Historical Preservation Building, Aerospace & Defense, Automotive & Transport, Food, Healthcare, Telecommunications, and Nuclear industries.

**Larry Bryson Architects, Saint Simons Island, GA**  
**Architectural Designer 2017**

- Coordinated with architect on design requirements for new constructions, alterations or repairs and with engineer on site development and constraints following through with design development, development of construction documents and submittal drawings for permitting phases.
- Participated in team meetings to coordinate design options and ideas.
- Utilized standard and researched new design techniques including xrefs.
- Utilized AutoCAD Architecture and Design Master HVAC AutoCAD Add-on to produce drawings for the complete architectural package to include: Title Sheet, Life Safety, Floor, Foundation, Framing, Roof, Reflected Ceiling, Interior and Exterior Elevations, Sections, Electrical, Mechanical, Plumbing, Survey, and Site Plans.
- Submitted completed architectural design drawings to architect and clients for review and approval.
- Coordinated revisions through the construction phase of new construction as well as refurbishment projects
- Produced space plans and drafted up-fits for tenant spaces and selected finishes.
- Provided project status updates to architect and clients on regular basis.
- Managed and executed design/drafting assignments in a timely manner.
- Maintained architectural drawings and CAD library in electronic and hard-copy format.

**KHD Humboldt Wedag, Cement Plant Technology, Norcross, GA**  
**Technipower Contract/Direct Electrical Designer 2014 to 2016**

- Developed, prepared, checked and coordinated designs, drawings plus other documents needed for plant electrical power system and automation having single line diagrams, wiring and elementary diagrams along with layout and circuitry design using AutoCAD Electrical

Package complying with recognized drafting standards, company practices, policies and procedures as per applicable standards and codes.

- Tested and implemented advanced safety measures in the whole structure of the electrical design. Provided material specifications for wiring and other installations and provided cost estimates. Maintained detailed documentation for all projects along with wire list plus BOM's, P&ID and CAD library.

#### **TEC Automation, Integrators, Canton, GA Electrical Designer 2011-2014**

- Coordinated with the engineer to derive Automation and Robotic systems schematics, and automated machinery builds.
- Prepared designs and drawings from engineer's sketches and notes using AutoCAD Electrical Package.

#### **JBA, Architects, Saint Simons Island, Atlanta, Blue Ridge, GA and Murphy, NC Architect Apprentice 2007-2012**

- Preparation for NCARB IDP and ARE  
Participated in the architectural planning + design process under the direct instruction and supervision of Architect.
- Project Manager for Architect: Customer Care, Contractor Schedules, Maintain Project Timeline.
- Assisted in preparation of designs, construction contract documents, including plans, details, sections and schedules, quantity calculations, sketches, diagrams, schematic drawings, and working in various disciplines to develop final design drawings.
- Utilized computer-aided design software AutoCAD Architecture and equipment to prepare and draft complete project designs and plan package.

#### **SHAW INDUSTRIES, Manufacturing, Dalton, GA AutoCAD Instructor/Database Engineer 1994-1998**

- Setup and trained the Design Department Draftsman from manual drafting to CAD  
Drafting using a P5/Pentium System running AutoCAD 13/14 and a Summagraphics Summagrid 44"x60" Digi-Table. Database Engineer for the Maintenance Department.

#### **Contract Projects Last 10 Years**

- Byers Engineering Company (GIS/Telecom) Conyers, Ga
- Larry Bryson Architect (Architectural) Saint Simons, Ga
- Hutter and Associates (Civil) Covington, Ga
- MESH Engineering (Electrical) Cumming, Ga
- SecureUSA (Electrical) Cumming, Ga
- CoalTek (Electronic) Framingham, Ma
- PDE Engineering (Electrical) Atlanta, Ga
- CEC Consolidated Engineering Company (Mechanical) Kennesaw, Ga
- RMJ Consulting (Electrical) Ooltewah, Tn
- MillerZell (Architectural) Atlanta, Ga
- INP Engineering (Electrical) Alpharetta, Ga
- Siemens (Electrical) Alpharetta, Ga
- Cornerstone (Architectural) Blue Ridge, Ga

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### **EDUCATION & PROFESSIONAL CREDENTIALS**

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- Southeast Whitfield High Dalton,GA 1980
- US Army Photographic School Lowery AFB / USAF Academy Denver & C. Springs, CO 1983-1984
- Autodesk AutoCAD 1.0 Training US Air Force Academy Colorado Springs, CO 1984
- Autodesk AutoCAD Instructor School San Rafael, CA 1994
- Dalton State College Architecture Minor Computer Science CAD Dalton, GA 1996-2000
- Owner Peden Traveling Photographers Established 1865 Cohutta Springs, GA 1980-Present
- Owner The Collector 1999-Present

- Owner PDE Peden Design Engineering 2000-2020
- Owner The Draftsman, LLC. Established 2020 2020-Present

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## **MILITARY**

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- US Army, 84B Combat Photographer (High School Delayed Entry Program) 1983-1988
- 101st Airborne (Air Assault), 501st Signal Battalion Fort Campbell, KY
- 3397th Garrison Chattanooga, TN
- Civilian Contractor Photographer/Instructor Air Assault Fort Campbell, KY Gulf War 1990-1992
- Civilian Contractor Photographer/Instructor Air CAV Ft. Hood, TX Bosnia/Croatia War 1992-1995

**Portfolio Provided Upon Request**