

Professional

Vision

Engineering

DESIGN GROUP, INC.

THE WESTGATE BUILDING
3450 W. CENTRAL AVE., SUITE 330
TOLEDO, OH 43606
PH: (419) 536-0757 FAX: (419) 536-9447
WWW.VISIONDGI.COM
MBE / EDGE CERTIFIED

Piping

- Process Piping Design
- Process & Instrumentation Diagram
- Process Flow Diagram
- Process System Optimization
- Hydraulic Analysis
- Flow Measurement Study
- Plant & Facilities Layout
- Heat Transfer & Cooling Systems

HVAC

- Air Conditioning System Design
- Heating System Design
- Ventilation & Exhaust System Design
- Hydronic System Design

Plumbing

- Domestic Cold Water
- Sanitary Drainage
- Storm Drainage
- Cross Connection Control
- Natural Gas
- Compressed Air

Electrical

- Power Distribution
- Lighting & Auxiliary System Design
- High Voltage System Design
- Control Panel Layouts
- Instrumentation
- Wiring Schematics & Diagrams

Fire Protection

- Hydraulic System Sizing
- Performance Specification
- Fire Pump, Stand Pipe & Tank Storage
- Wet & Dry System Design

Constr. Management

- CPM Scheduling
- Document Control
- Project Administration
- Quality Control Procedures
- Cost Estimating
- Change Order Control
- Project Close-Out

CAD Drafting

- AutoCAD
- MicroStation
- 3-D Design & Solid Rendering
- GIS Mapping
- BIM Modeling

Statement of Qualifications

Professional Engineering Design



Vision Design Group, Inc. provides professional Engineering services to national, regional, and local customers. Located in Toledo, Ohio, **Vision** has been providing plumbing, piping, and sewer design; heating, ventilation and cooling design; and electrical power and lighting design since 1998.

We are pleased to serve municipal, institutional, automotive, commercial, educational, industrial and residential clients who continue an ongoing working relationship with **Vision** and who continually refer our services to others. Our clients include large and smaller organizations in need of engineering consultation, design, and drafting.

Our goal at **Vision** is to provide the customer with a high-quality product at a reasonable cost, both which have been proven to exceed expectations. Our diverse and experienced staff, along with the strength of our relationships with various complementary firms, enables **Vision** to complete even the highest-dollar projects on time and within the scope determined by the customer.

As a competitive, upstanding multi-discipline architectural and engineering consulting firm, **Vision** is able to handle projects of all sizes as either prime or subconsultant. In addition to mainstream projects, our status and certification as an official Minority Business Enterprise gives us the opportunity to partner with other firms and assist with fulfilling project requirements. For **Vision**, and for our customers, this results in a win-win situation: building even stronger business-to-business relationships to ensure highly-positive customer experiences and outcomes.

Corporate Background

Statement of Qualifications

Professional Profile

RAY M. MILLER, P.E.

President / CEO

Principal / Engineering Studio Manager

Mr. Miller's experience includes design of process piping, plumbing, fire protection, heating, ventilation, and air conditioning systems. His experience encompasses a variety of building structures, to include: commercial, educational, industrial, institutional, municipal, and residential facilities, as demonstrated in our Client Profile.

An extensive knowledge of fluid mechanics enables Mr. Miller to design optimal engineering systems involving air, gas, oil, steam, water, sewage, and slurries.

Additionally, Mr. Miller's expertise includes the computation of cooling and heating loads and the selection of HVAC systems (including: constant volume, multi-zone, VAV, split-systems, chilled water, hot water, steam, and energy recovery).

As President and CEO of Vision Design Group, Inc., Mr. Miller plays an active role in every project that the firm completes. His direct involvement with the client is vital to the maintenance of project focus, integrity, job status, and reaching positive outcomes. Consequently, his overall leadership, direction, and management prowess are a proven formula to ensure that client expectations are met and exceeded from project to project.



Education

B.S.M.E.

University of Toledo
1995

Professional Registrations

State of Ohio

Board of
Professional Surveyors &
Engineers
I.D. #67610

State of Michigan

Dept of Labor and
Economic Growth
Board of Professional
Engineers
I.D. #6201050026

Professional Affiliation

American Society of
Heating, Refrigerating & Air
Conditioning Engineering
ASHRAE Member #5179285

Statement of Qualifications

Professional Profile

W. RAY MILLER, CIPE
Mechanical Piping / Plumbing
Department Manager

Mr. Miller is a Senior Piping and Plumbing Designer with full knowledge of mechanical systems. He has special expertise in the mechanical system designs of natural gas, compressed air; domestic hot, cold water systems and return water pumps; chilled water, cooling towers, storm systems, sanitary systems, water booster pumps, storm and sanitary lift pumps, laboratory systems, medical gas piping, and specifications. Within his 34 years of experience, Mr. Miller has designed mechanical systems for commercial, industrial, educational, institutional, and municipal building structures.

Mr. Miller's experience also includes a vast knowledge of codes and standards such as the International & Ohio Building Codes, NFPA, ASME and LEED Standards, which are incorporated into his design process to deliver an efficient, cost effective and well engineered product for our clients.

As a project manager Mr. Miller is able to lead projects of various sizes. His resume includes Sr. Piping Designer for Chrysler Automotive, Boeing Commercial Airplane Group, University of Toledo Salvage Hall Arena and Indoor Practice Field, Toledo Public Schools K-12, UT Medical Mall and ICU, Toledo Fire Stations #4 and #12.



Education

University of Toledo
Mechanical Design /
Mechanical Engineering
Technologies
1973

Professional Registrations

**American Society of
Plumbing Engineers**
Certified Industrial
Plumbing Engineer
(CIPE)
I.D. #1-29271

Statement of Qualifications

Professional Profile

LONELL FISHER

Electrical Department Manager

Mr. Fisher has 30 plus years in the design of electrical systems involving power, lighting, life safety, auxiliary systems and specification writing. Mr. Fisher, in addition, has 12 years experience as a project manager/estimator for a prominent electrical contractor, which involved: scheduling, tracking, inter-departmental coordination, field supervision, and client interaction. In addition, Mr. Fisher's excellent organizational and interpersonal skills lend to his effectiveness as a successful electrical engineering designer and team player.

Mr. Fisher also has experience dealing with local utility companies for new and/or upgraded site electrical service entrance power and metering. He has designed both underground and overhead utility systems for 120V, 208V, 240V and 480V distribution centers. He has also designed reliable means of back-up power with automatic transfer to service life safety systems, critical medical systems and computer server systems.

Mr. Fisher has experience with a variety of lighting systems. He has designed complete LED lighting packages which include the latest designs in energy efficiency. He has designed lighting systems for auditoriums, stages, gyms, libraries, offices, residences, exam rooms, laboratories and etc.

Mr. Fisher has been the Lead Electrical Designer for several projects including, but not limited to the City of Toledo Waste Water Treatment Plant, Owens-Corning World Headquarters, The Toledo Hospital, Honda of America Manufacturing and Proctor & Gamble, Inc.



Education

State of Ohio Apprentice
School for Journeyman
Electrical Design Drafting
1972

University of Toledo
Electrical Engineering
Technologies
1972

Several years of
engineering
and design continuing
education and certificates