

MEI engineering, inc.

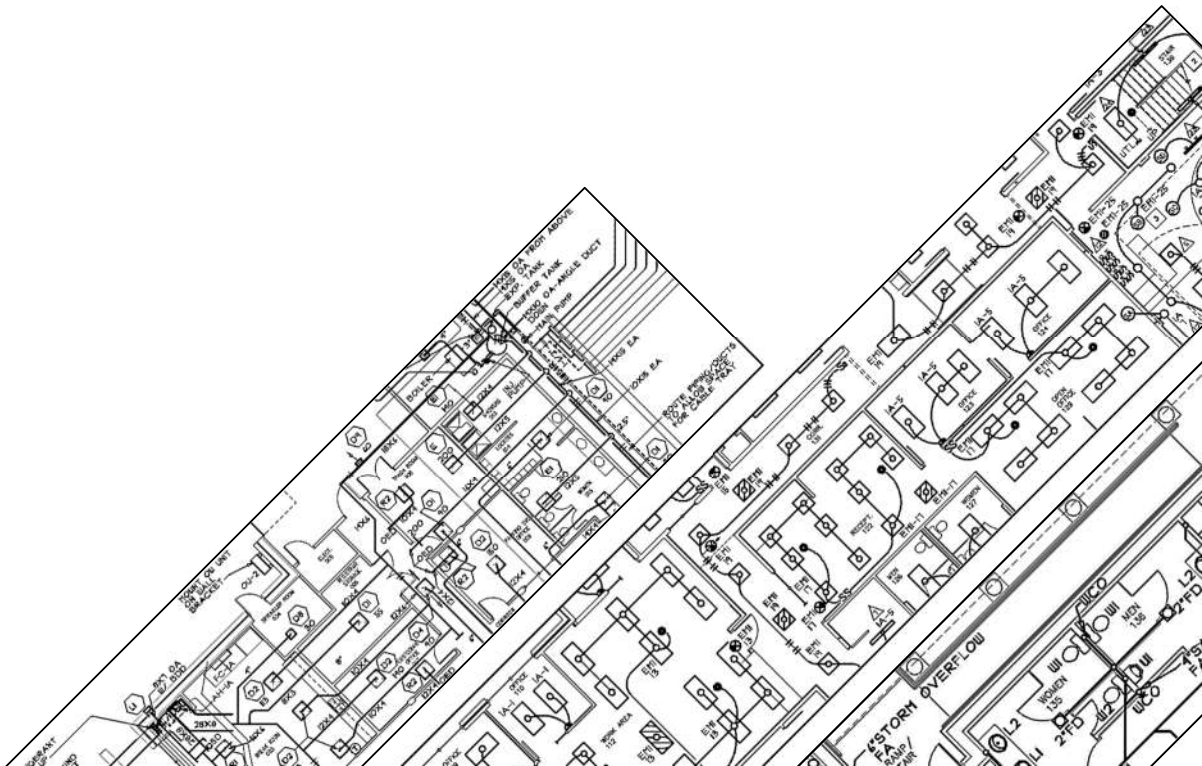
mechanical - electrical - industrial
consultants

1780 South Main Street, Harrisonburg, VA 22801

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www.MElengineeringinc.com

2019





About our Firm

Founded in 1989, MEI Engineering, Inc. is a multi-discipline engineering consulting firm located in Harrisonburg, Virginia. Specializing in mechanical, electrical and industrial systems design and related consulting services for buildings, we serve clients throughout Virginia and neighboring states. We are currently licensed to provide engineering services in Virginia, Maryland, Delaware, Indiana, Washington D.C., Pennsylvania, Georgia, and West Virginia, with the ability to obtain licenses in other states. Our clientele includes architects, contractors (both general and sub), owners, and government agencies (MEI is registered as a Small Business through the U.S. Small Business Administration, D-U-N-S number 609235171).

Experienced with both design build and bid contracts, we are dedicated to providing quality design and consulting services efficiently. We pride ourselves on producing clear, concise, complete, and accurate documents quickly and on schedule. We strive to keep abreast of the latest technology, trends, costs, and standards in mechanical, electrical and industrial engineering along with current green building, LEED and EarthCraft practices. Unique, innovative concepts are tempered with good judgment and sound engineering fundamentals to produce efficient, affordable designs.

MEI's design team consists of two Principals and six Project Engineers (one of which holds a Certification of Engineer in Training and is a LEED Green Associate).

Our Principals

Wesley F. Siever, P.E. – President

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg VA

- BS Electrical Engineering 2004
- Licensed in the states of Virginia, West Virginia, Maryland, Georgia, Pennsylvania, Delaware, Indiana, and Washington, D.C.

Michael D. Irwin, P.E. – Vice President

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg VA

- BS Mechanical Engineering 2003
- Licensed in the state of Virginia



Our Services

At MEI we take advantage of current technologies, concepts, and standards throughout the design process. We also understand the importance of sustainable building development. Within all disciplines we are experienced with green building standards (LEED, EarthCraft, and high efficiency design), and strive to provide cost effective and energy efficient results for all projects. A sample of our offered services is listed below. Services in **Green** are sectors that are particularly focused around energy efficiency.

- **HVAC**

Heating and Ventilating	Process Heating & Cooling
Air Conditioning	Operating Rooms
Humidity Control	Energy Modeling
Energy Monitoring & Control	Dust, Fume & Stock Exhaust
Clean Rooms	Boiler Design
Server Room Cooling	Geothermal Systems
Variable Refrigerant Systems	Chiller Design
Chilled Beam Systems	Specialized Filtration

- **PLUMBING**

Water Systems	Compressed Air Piping
Sanitary Systems	Medical Gas Piping
Storm Water Systems	Point of Use Water Heating Systems
Gas Piping Systems	Sprinkler System Performance Specifications
Flow Analysis	Service Size Calculations & Load Letters
Water Meter Sizing	Water Flow Efficiency

- **ELECTRICAL**

Power Distribution	Energy Metering & Monitoring
Lighting (Interior & Exterior)	Operating Rooms
Voltage Drop Calculations	Lightning Protection and Risk Analysis
Energy Code Analysis	Arc Flash Analysis
Load Analysis	Load Shedding
Fire Alarm & Detection	Motor Control Systems
Advanced Lighting Controls	Uninterruptible Power and Generators
Process Control Systems	Data Centers & Server Rooms
Photometric Analysis & Design	Electric Service Design and Power Risers
Site Lighting	Emergency Lighting Systems



- **RELATED SERVICES**

- | | |
|------------------------------------|------------------------------------|
| Cost Estimates | Production Planning Development |
| Plan Review & Code Analysis | Feasibility Studies |
| System Troubleshooting | Construction Administration |
| Layout Drawings and Schematics | Third Party Audits and Inspections |
| Preventive Maintenance Surveys | Measured Drawings |
| CAD Services | Energy Conservation Audits |
| Economic Justification of Projects | 3D Revit Drawings |

Our Expertise

With 30 years of successful design experience, our firm has benefited from offering expertise in a wide range of Commercial, Industrial and Mixed-Use building types including:

- Office Buildings
- Conference Centers
- Municipal Buildings
- Apartment Buildings
- Warehouses
- Club Houses
- Retail Centers
- Medical Facilities and Offices
- Banks
- Government Offices
- Historical Buildings
- Maintenance Buildings
- Condominiums
- Sports Arenas
- Churches
- Car Washes
- Automotive Facilities
- Dealerships
- Residential Dwellings
- Industrial Facilities
- Educational Buildings
- Pool Houses
- Production Facilities
- Gas Stations
- Restaurants
- Assisted Living Facilities
- Manufacturing Facilities
- Processing Facilities
- High Rise Buildings
- Sewage Lift & Water Boost Stations
- Aircraft Hangars
- Museums
- Breweries
- Convenience Stores

Profile projects available upon request.



Our Reputation

Our firm has successfully provided top notch engineering consultation services for 30 years without incident. We take pride in our exceptional reputation which has benefited us with countless recommendations and long term relationships with our clients. Exceeding expectations is a goal of each member of our design team.

Our Community Outreach

At MEI we take pride in being able to give back to our community. While supporting various local charities monetarily, we also give back in the form of time and experience with our internships and job shadowing programs.

- Internships for students pursuing engineering degrees at local universities and community colleges
- Internships & Job Shadowing for local high school students interested in exploring the engineering field
- Overview presentations for local students to give an insight into what it means to be an engineer as well as related motivational discussion
- Business Links partner of Cornerstone Christian School
- Support of Harrisonburg Downtown Renaissance
- Support of the Harrisonburg Crisis Pregnancy Center
- Support of Salvation Army and Gift & Thrift
- Benefit golf tournaments
- Corporate sponsor of the Valley Avengers 14U Girls Fastpitch Softball Team

No Limitations

With an ever changing construction market, we at MEI also continue to expand and develop our expertise and offerings to meet the demands of our clients. We welcome the opportunity to discuss additional project specific services in more detail.

References Available Upon Request.