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## **L.S. GRIM CONSULTING ENGINEERS**

L.S. Grim Consulting Engineers was established in 1989, by Leslie S. Grim after ten years of professional work in engineering. L.S. Grim is an engineering services corporation providing design, construction administration, and management of facilities. Our services primarily consist of design and specifications for mechanical, electrical, and plumbing systems on commercial, industrial, and high-end residential projects. Our clients include architects, contractors, developers, and institutions.

L.S. Grim Consulting Engineers main office is located in Hagerstown, Maryland with a satellite office located in Rockville, Maryland to serve the DC metro area customers. Begun as a small business twenty years ago, our firm has grown steadily. We currently maintain licenses to practice engineering in the District of Columbia, Georgia, Maryland, New Jersey, New York, North Carolina, Pennsylvania, Virginia, and West Virginia.

## **LESLIE S. GRIM, PE, LEED AP**

Mr. Grim is a graduate of the University of Maryland, College of Engineering. He has a diverse background in the design of mechanical, electrical, plumbing and fire protection systems for commercial, educational, institutional, and industrial facilities for private and government clients.

Since 1983, thousands of mechanical, electrical and plumbing systems have been designed either by him personally or through his oversight.



Frederick County Public Schools Consolidated Office Building

## **SERVICES**

L.S. Grim Consulting Engineers is a full service mechanical, electrical, and plumbing engineering design and consulting firm. We offer mechanical, electrical, and plumbing services associated with buildings and facilities.

### **Mechanical Systems:**

- Design of heating, ventilating, and air conditioning (HVAC) systems
- Analysis, troubleshooting and reporting of conditions of existing HVAC systems
- Commissioning of HVAC systems
- Construction and inspection of HVAC systems
- Design, analysis, and troubleshooting of automatic temperature control systems

### **Electrical Systems:**

- Design, analysis, and troubleshooting of electrical power distribution systems
- Design and analysis of lighting systems
  - Interior, general office lighting systems
  - Exterior parking lot systems
  - Specialty lighting systems such as athletic fields, architectural artwork display lighting, etc.
- Design and analysis of fire alarm communications and data systems
- Inspection and quality control of electrical construction
- Commissioning of electrical systems

### **Plumbing Systems:**

- Design and analysis of sanitary waste and venting systems
- Design and analysis of processed piping systems
- Design and analysis of natural gas systems
- Design and analysis of site utility systems
- Commissioning of plumbing systems
- Commissioning of sewage and pumping stations

### **Fire Protection:**

- Design of sprinkler systems

### **Field Services Division:**

- Owner Representation
- Project Management
- Third Party Inspections

### **General Support:**

We also offer as part of our mechanical, electrical, and plumbing design services support disciplines such as:

- Civil/Structural systems design and inspection to support mechanical, electrical, and plumbing projects.
- Budgeting and costing services.
- General construction inspection services.
- Miscellaneous architectural services utilizing sub-consultants to support mechanical, electrical, and plumbing projects.



E.L. Haynes Public Charter School

## PROJECT MANAGEMENT

We are committed to continuous improvement to meet or exceed all customer requirements and expectations. L.S. Grim has implemented an in-house quality control system to assure the accuracy of drawings, specifications and other materials necessary for the bidding and construction phase of each project. An in-house data management system is utilized to track all incoming and outgoing materials for each project, such as shop drawing review and submittals.

Our office also retains a current library of code and standards. These codes and standards are used to allow us to provide accurate construction documents which meet the current codes in affect. Our team also knows that nothing beats experience. Consequently, we assign a senior staff member to review all contract documents and specifications prior to their being issued. This staff member is responsible for coordination and completeness of the contract documents.

Our firm has LEED certified engineers and designers on staff with expert understanding of the LEED Certification process. In addition, L.S. Grim is a member of the U.S. Green Building Council, the nation's foremost coalition of leaders working to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.

## CLIENTS

Our extensive list of repeat clients (80%) and track record of projects with minimal change order requests testify to the effectiveness of our services. We have provided services from private home owners to multi-million dollar projects.



Rockland Woods Elementary School, Hagerstown, MD