MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION SERVICES

ENGINEERING & FACILITY DESIGN

**Mechanical Engineering Design (Heating, Ventilation & Air Conditioning)**
- Computer Modeling of HVAC Loads
- HVAC Equipment Sizing & Rating
- Duct Pressure Drop Calculations
- Indoor Air Quality Evaluation
- Detailed Specifications for HVAC Equipment, CAD/Drafting Utilizing AutoCAD & Intergraph

**Electrical Engineering Design**
- Power Distribution
- Equipment Sizing & Specification
- Lighting Design
- Instrumentation & Control

**Plumbing Engineering Design**
- Plumbing Engineer Consulting Services
- Plumbing Engineering Design
- Energy analysis and systems energy use evaluation
- Domestic Cold and Hot Water Distribution
- Domestic Water Heating
- Hot Water Circulation
- Sanitary Drainage and Venting
- Storm Drainage
- Natural Gas Piping

**Fire Protection Services**
- Fire Suppression Systems
- Fire Alarm Systems
- Sprinkler System Design
- Hydraulic Calculations for New and Existing Systems
- Design Modifications for Existing systems
- Determination of Applicable NFPA Design Criteria
- Evaluation of a Site’s Water Service
- Performance Specifications and Drawings for Fire Protection Contractors
- Protection Systems for Special Hazards
- Water Service and Fire Pump Evaluation and Design
- Fire Protection Feasibility Studies