



Bryant Bank



Central High School



Cancer Treatment Center



Auburn Student Center

www.pinnaclegr.com



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▲ Firm Overview

Pinnacle Engineering, Inc.

Founded:

November 2000

Names of Principals:

Jim Cingoranelli, P.E., President
James Hogland, P.E., Vice President

Primary Area of Work:

Alabama, Tennessee, Georgia, Florida and Mississippi

Corporation:

Pinnacle Engineering, Inc. is an Alabama corporation based in Birmingham. Pinnacle Engineering, Inc. provides engineering services in the mechanical, HVAC, plumbing and fire protection disciplines. No project is too small. Our goal is to assist our Clients in meeting their needs.

Our project experience is broad, it includes:

- Building Engineering
- Central Plant Engineering
- Investigations
- Studies

While Pinnacle Engineering's projects vary in size, scope, complexity, location and design solutions, our commitment to design excellence is the common denominator that defines our work.

We are proud of our staff. Our project teams are formed specifically for each project and are composed of professionals with extensive and relevant experience on successful projects of a similar nature.

The measure of our success cannot be conveyed by conventional terms. Approximately ninety five percent of our workload has resulted from continuing relationships with our existing Clients. We believe this is the best measure of success any professional firm can achieve. We believe that it indicates our Client's satisfaction with the quality of the design we provide, and the promptness of the services we render.

Insurance:

Pinnacle Engineering, Inc. carries professional liability insurance through CNA/Schinnerer. Our policy limits are \$1,000,000/claim; \$1,000,000 annual aggregate. We also have full retroactive coverage for prior designs at our former firm.



▲ Design Experience

Pinnacle Engineering, Inc.'s engineers and designers bring over 70 years of collective knowledge and design experience to provide the best decisions and judgement for your project.

Our Engineers have successfully completed projects in these fields/areas:

Mechanical

Studies and Investigations

- Economic Feasibility
- Failure
- Nuisance Odor
- Indoor Air Quality
- Life Cycle Cost
- Failure and Fault Tree Analysis

Emergency and Management Plans

- Disaster Recovery/Contingency
- Spill Containment and Control Countermeasure Plans
- Refrigerant Management

Central Chilled Water Plans

- Large Chiller Installations
- Large Chiller Replacement
- Large Chiller Overhaul and Conversion

Cooling Tower Condenser Water Systems

- Cooling Tower Replacements
- Cooling Tower Renovations/Upgrade
- Water Side Economizers



Steam and Hot Water Plants

- Boiler Replacements
- Burner Replacements
- Boiler Automation
- Boiler Selection/Installation

Steam Plant Auxiliary Systems

- De-aerators
- Feed Water Heaters
- Blowdown Systems
- Water Softeners
- Condensate Receivers

District and Campus Piping Systems

- Overhead High Pressure Steam
- Underground High Pressure Steam
- Chilled Water
- High Temperature Hot Water

▲ Design Experience Continued

Mechanical Continued

Engine Driven Systems

- Turbine Driven Generators
- Diesel Engine Driven Generators
- Diesel Engine Driven Fire Pumps
- Diesel Engine Driven Well Pumps

Air Handling Systems

- Custom Systems
- Field Erected
- Portable
- Clean Room/Immuno-Suppressed Area
- Desiccant Systems
- Energy Recovery

Water Treatment

- Chemical Systems
- Ozonation Systems
- Reverse Osmosis Systems
- De-Ionization Systems

Fuel Oil Systems

- Above Ground Storage (New & Replacement)
- Below Ground Storage (New & Replacement)
- Fuel Containment Piping (New & Replacement)
- Remediation



Plumbing

Gravity Systems

- Sanitary
- Acid Waste
- Hazardous Waste (Double Containment)

Water Systems

- Portable
- Non-Portable
- Well Water
- High Purity
- Pharmacology Grade
- De-Ionized
- Reverse Osmosis

▲ Design Experience Continued

Plumbing Continued

Storm

- Normal
- Emergency
- Retention

Gas Systems

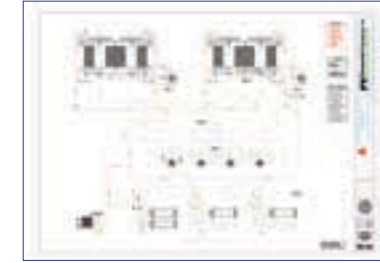
- Medical
- Bulk
- Manifold
- Laboratory
- Fuel

Sewers

- Force Mains
- Septic Systems
- Treatment Plants

Fire Protection

- Wet Type Systems
- Dry Type Systems
- Pre-Action Systems
- Storage Tanks
- Fire Pumps
- Deluge Systems
- Fire Mains Private



No project is too small

Our project experience is broad

Over 50 years of knowledge

Commitment to design excellence