Restaurant Design
FULL DISCIPLINE CONSTRUCTION ENGINEERING

ENGINEERS CONSULTANTS DESIGNERS SURVEYORS
**NOTABLE PROJECTS**

**Dairy Queen**
GSE collaborated with Bruce Tolar Architects to provide full engineering services for the construction and renovation of numerous Dairy Queens in the Southeast region.

- HVAC Systems
- Ventilation Systems
- Plumbing
- Low Voltage
- Shallow Foundations
- Switch Boards
- Bid Assistance
- Lighting Controls
- Panel Boards
- Construction Staking
- Stormwater Modeling
- Topographic Survey
- Erosion Control/SWPPP
- Paving and Grading
- Construction Inspections
- Load Bearing Masonry
- Master Planning
- Construction Inspections

**Walk On’s**
Co-owned by New Orleans Saints quarterback Drew Brees and his wife, Brittany, Walk-On’s Bistreaux & Bar has experienced amazing growth in recent years. In 2012 the chain was named the #1 Sports Bar in America by ESPN. GSE partnered with Holden Architects to provide engineering design for numerous Walk-On’s restaurant locations throughout Louisiana and Texas. GSE’s scope of work structural, mechanical, electrical, civil and fire protection design.

- Site Plan Development
- Stormwater Modeling
- Site Utilities
- Ventilation Systems
- Medium Voltage
- Shallow Foundations
- Steel Framing
- HVAC Systems
- Low Voltage
- Paving and Grading
- Fire Alarm
- Plumbing
- Lighting Control
- Data/Telecom
- Wireless Access Points

**Mellow Mushroom**
Founded in Atlanta, GA, this growing pizza chain has over 120 locations in 16 states. GSE provided full engineering services for the construction and renovation of numerous Mellow Mushroom restaurants across the Southeast region.

- HVAC Systems
- Ventilation Systems
- Plumbing
- Low Voltage
- Shallow Foundations
- Active System
- Bid Assistance
- Lighting Controls
- Panel Boards
- Steel Framing
- Grounding
- Lighting Protection
- Site Selection
- Fire Protection
- Construction Inspections
- Load Bearing Masonry
- Switch Boards
- Photometric Calculations

**Lazy Magnolia Brewery**
The first packaging brewery in the state of Mississippi since prohibition, Lazy Magnolia has seen a steady growth in sales since opening the brewery in 2005. With distribution in 16 states, a 15,000 square foot expansion was needed to keep up with the growing demand. GSE provided surveying along with structural, civil, mechanical, and electrical design of the expanded facility.

- Plumbing
- Survey
- Topographic Survey
- Shallow Foundations
- Panel Boards
- HVAC Systems
- Load Bearing Metal Stud
- Lighting Controls
- Switchboard

**The Hangout Restaurant**
The Hangout Restaurant is a popular venue located in Gulf Shores, AL. This 23,295 sq. ft. facility is an open air space that is home to many summer activities along the beaches of Gulf Shores. GSE’s scope of work for this facility included mechanical, electrical and plumbing design for the initial construction. Subsequent construction projects included electrical and mechanical engineering design to upgrade the HVAC system and kitchen revisions.

- Plumbing
- Grounding
- Data/Telecom
- Transformers
- Lighting Controls
- Fire Protection
- Low Voltage
- Lightning Protection
- Bid Assistance
GSE collaborated with Holden Architects to provide all engineering services for the addition of a full service restaurant and bar constructed on the ground level of Barnes-Jewish Center for Outpatient Health Center. The high end food hall totaled 10,000 square feet upon completion and can seat over 200 guests. The design won an award for best New Concept in St. Louis, MO.

- Steel Framing
- Plumbing
- Data/Telecom
- Panel Boards
- HVAC Systems
- Ventilation Systems
- Bid Assistance
- Fire Alarm
- Load Bearing Metal Studs
- Lighting Controls
- Construction Management
- Close Out Documents

GSE consulted for Architect, Brad Lee Patterson, to provide the structural design for an approximate 9,000 square foot addition to Tacky Jacks in Orange Beach, AL. The three level building expansion is supported on precast concrete piling and implements numerous structural systems including moment resisting steel frames, masonry, light gauge metal studs and timber.

- Deep Foundations
- Steel Framing
- Load Bearing Masonry
- Bid Assistance
- Cost Estimating
- Shallow Foundations
- Load Bearing Timber
- Construction Administration
- Load Bearing Metal Studs

GSE collaborated with Odom Architects, PC to provide mechanical, electrical, and plumbing design for various McAlister Deli’s. A typical McAlister's design uses an existing white-box building. Incoming utilities and local codes are coordinated with to adapt the McAlister's prototype design to the building.

- Plumbing
- Ventilation Systems
- Transformers
- Grounding
- Low Voltage
- Panel Boards
- HVAC Systems
- Lighting Controls
- Data/Telecom

GSE collaborated with ANF Architects to provide engineering design for various new Chili's restaurants. New restaurants opened in the following cities: Auburn, Madison, Mobile, Fultondale, Decatur, Gadsen, and Montgomery, AL and also in Madison, MS. Each restaurant was a 5,500 square foot new prototype restaurant for Chili's. GSE's scope of work included structural, mechanical, electrical, civil site, and fire protection design.

- Master Planning
- Shallow Foundations
- HVAC Systems
- Plumbing
- Stormwater Modeling
- Drainage Design
- Fire Alarms
- Data/Telecom
- Low Voltage
- Ventilation Systems
- Grading and Paving
- Lighting Controls
- Load Bearing Masonry
- Load Bearing Timber
- Erosion Control/SWPPP

GSE provided the engineering design for all three phases of the retail and restaurant development constructed in Daphne, AL. Build-outs for the development included Moe’s Southwest Grill, Hibachi Express, and Taziki’s Mediterranean Cafe.

- Design-Build
- Shallow Foundations
- Load Bearing Masonry
- HVAC Systems
- Low Voltage
- Data/Telecom
- Fire Alarms
- Steel Framing
- Plumbing
- Greenfield
- Construction Administration
- Lighting Controls
- Grounding
- Sprinkler/Stand Pipe
- Load Bearing Metal Studs

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- Steel Framing
- Plumbing
- Data/Telecom
- Panel Boards
- HVAC Systems
- Ventilation Systems
- Bid Assistance
- Fire Alarm
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- Steel Framing
- Load Bearing Masonry
- Bid Assistance
- Cost Estimating
- Shallow Foundations
- Load Bearing Timber
- Construction Administration
- Load Bearing Metal Studs

GSE collaborated with Odom Architects, PC to provide mechanical, electrical, and plumbing design for various McAlister Deli’s. A typical McAlister's design uses an existing white-box building. Incoming utilities and local codes are coordinated with to adapt the McAlister's prototype design to the building.

- Plumbing
- Ventilation Systems
- Transformers
- Grounding
- Low Voltage
- Panel Boards
- HVAC Systems
- Lighting Controls
- Data/Telecom

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- Shallow Foundations
- HVAC Systems
- Plumbing
- Stormwater Modeling
- Drainage Design
- Fire Alarms
- Data/Telecom
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- Grading and Paving
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- Steel Framing
- Plumbing
- Greenfield
- Construction Administration
- Lighting Controls
- Grounding
- Sprinkler/Stand Pipe
- Load Bearing Metal Studs
Gulf States Engineering (GSE) is a multidiscipline engineering firm with a wide variety of experience in heavy industrial, commercial, and government projects. GSE is an employee-owned consulting firm founded in 1998 staffing 90 highly experienced engineers and designers, most of whom have been with the company for over 10 years. The firm’s staff includes planners, multi-disciplinary engineers (Structural, Civil, Mechanical, Chemical, Electrical, and Fire Protection), surveyors, and program/construction managers. GSE is headquartered in Mobile, AL and has regional offices located in Gulfport, MS and Nashville, TN.