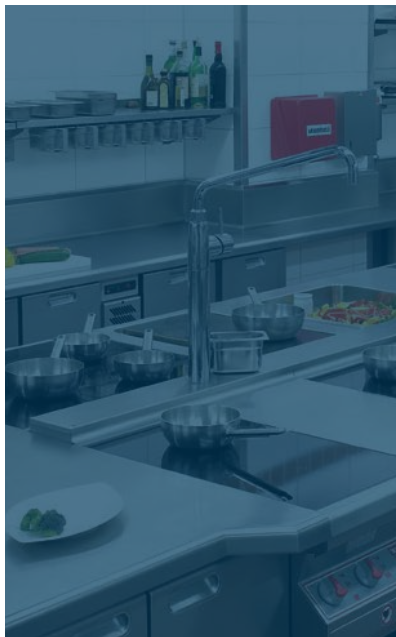


ENGINEERS

CONSULTANTS

DESIGNERS

SURVEYORS

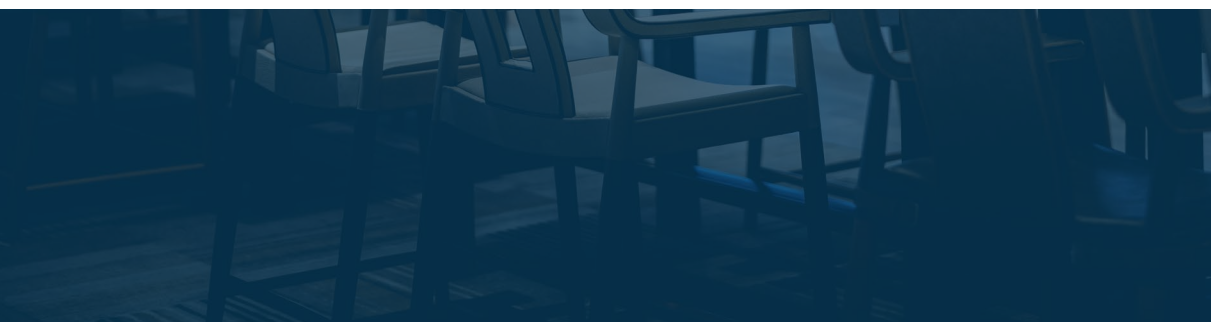


# RESTAURANT DESIGN

FULL DISCIPLINE CONSTRUCTION ENGINEERING



GULF STATES ENGINEERING, INC.





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 Southeast region.

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

VARIOUS LOCATIONS



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

VARIOUS LOCATIONS



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

VARIOUS LOCATIONS



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           | • Shallow Foundations | • Load Bearing Metal Stud |
| • Survey             | • Panel Boards        | • Lighting Controls       |
| • Topographic Survey | • HVAC Systems        | • Switchboard             |

KILN, MS



HANGOUT

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     | • Transformers      | • Low Voltage          |
| • Grounding    | • Lighting Controls | • Lightning Protection |
| • Data/Telecom | • Fire Protection   | • Bid Assistance       |

GULF SHORES, AL

NOTABLE PROJECTS

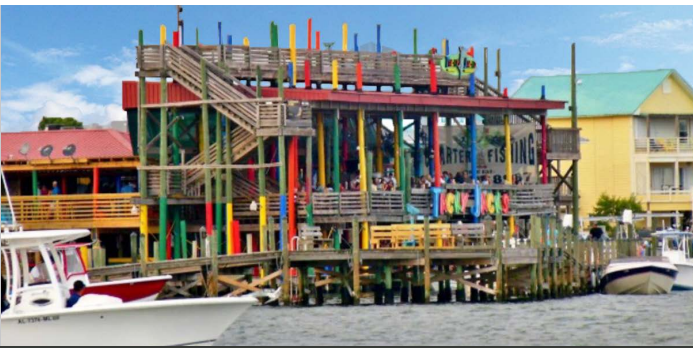


CENTRAL TABLE

GSE provided 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 | • HVAC Systems        | • Load Bearing Metal Studs |
| • Plumbing      | • Ventilation Systems | • Lighting Controls        |
| • Data/Telecom  | • Bid Assistance      | • Construction Management  |
| • Panel Boards  | • Fire Alarm          | • Close Out Documents      |

ST. LOUIS, MO



TACKY JACKS

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

ORANGE BEACH, AL



MCALISTER'S DELI

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            | • Grounding    | • HVAC Systems      |
| • Ventilation Systems | • Low Voltage  | • Lighting Controls |
| • Transformers        | • Panel Boards | • Data/Telecom      |

VARIOUS LOCATIONS



CHILI'S RESTAURANT

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

VARIOUS LOCATIONS



SHORE OAKS CENTER

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

DAPHNE, AL



# SERVICES

## CIVIL

Site Plan Development/Master Planning  
Paving, Grading & Drainage Design  
Storm water Modeling  
Site Utilities  
Erosion Control/SWPPP  
SWPPP Compliance Inspections  
Roads/Transportation

## SURVEY

Boundary  
Construction Staking  
Elevation Certificate  
Roadway Layout  
Topographic  
Utilities  
Crane Alignment  
Control Surveying  
As-Builts  
Easements  
ALTA Survey  
3D Scanning  
Laser Tracker Technology / Metrology

## CONSTRUCTION SERVICES

Environmental Permitting  
Construction Inspections  
Cost Estimating  
Program Management  
Construction Management  
Procurement

## ELECTRICAL

Medium Voltage  
Transformers  
Switch Gears  
Ductbank/Distribution  
Substation Layout  
Motors  
Grounding  
Low Voltage  
Panel boards  
MCC/Switch Boards  
Lighting  
Lightning Protection  
Data/Telecom  
Security  
Access Control  
PA Systems  
Wireless Access Points  
Fiber Optics  
Photovoltaics  
Power Studies  
Arc Flash  
Short Circuit  
OCPD Coordination

## SPECIALTY

Design-Build  
BIM  
LEED  
Fast-Track  
Site Selection

## MECHANICAL

HVAC Systems  
Plumbing  
Ventilation Systems  
Dust Collection  
Medical Gas  
Hazardous Exhaust Systems  
Paint Booths  
Fume Hoods  
Smoke Evacuation  
Stairwell Pressurization  
Clean Room Design  
Boiler System Design  
Conveyors/Material Handling  
Building Automation  
Energy Modeling

## BUILDING

General Arrangement  
Interior Design  
Life Safety

## PROCESS/CHEMICAL

Piping  
Instrumentation  
PFD  
P&ID  
Equipment Specification  
Pressure Vessels  
Stress Analysis

## STRUCTURAL

Deep Foundations  
Equipment Foundations  
Steel Framing  
Load Bearing Masonry  
Load Bearing Metal Stud  
Precast and Tilt-Up  
ICF (Insulated Concrete Forms)  
Concrete Restoration  
Forensic Analysis  
Historic Preservation  
Seismic Retrofit  
FEMA/Tornado/Wind Resistant Design  
Blast Design

## FIRE PROTECTION

Active System  
Sprinkler/Stand Pipe  
Fire Alarm  
Clean Agent  
Foam  
Passive System  
Life Safety  
Fire Ratings  
Performance Based Solutions  
Insurance/Underwriter Consultation  
Fire and Egress Modeling  
Smoke Management  
Fire Pumps/Water Supply  
Failure Analysis

# ABOUT US



Gulf States Engineering, Inc. (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.

## **M O B I L E**

TEL: 251.460.4646  
FAX: 251.460.4649  
600 AZALEA ROAD  
MOBILE, AL 36609  
CORPORATE OFFICE

## **G U L F P O R T**

TEL: 228.864.5050  
FAX: 228.864.7474  
1816 PASS ROAD  
GULFPORT, MS 39501

## **N A S H V I L L E**

TEL: 615.933.7888  
FAX: 615.829.8491  
176 THOMPSON LN #200  
NASHVILLE, TN 37211

## **L I C E N S E D   S T A T E S**

ALABAMA  
ARIZONA  
ARKANSAS  
CALIFORNIA  
COLORADO  
CONNECTICUT  
FLORIDA  
GEORGIA  
IDAHO  
ILLINOIS  
INDIANA  
IOWA  
KANSAS  
KENTUCKY  
LOUISIANA  
MAINE  
MARYLAND  
MASSACHUSETTS  
MICHIGAN  
MINNESOTA  
MISSISSIPPI  
MISSOURI  
NEBRASKA  
NEVADA  
NEW YORK  
NORTH CAROLINA  
OHIO  
OKLAHOMA  
OREGON  
PENNSYLVANIA  
SOUTH CAROLINA  
TENNESSEE  
TEXAS  
VIRGINIA  
WASHINGTON  
WEST VIRGINIA  
WISCONSIN

