

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

SOQ 23-007 Professional Mechanical and Engineering Services  
Resolution No.141493

**B. Firm Name & Address:**

Salas O'Brien - New Orleans  
541 Julia St.  
Suite 200  
New Orleans, LA 70130

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

David Bonaventure, PE, CEM, Principal  
E | david.bonaventure@salasobrien.com  
P | 225.372.6961

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

David Bonaventure, PE, CEM, Principal  
E | david.bonaventure@salasobrien.com  
P | 225.372.6961

**E. Please provide the number of employees whose primary function corresponds with each category:**

|   |                                       |  |
|---|---------------------------------------|--|
| <u>3</u> Administrative                   | <u>      </u> Estimators              | <u>      </u> Specification Writers    |
| <u>      </u> Architects (Licensed)       | <u>      </u> Geologists              | <u>      </u> Structural Engineers     |
| <u>      </u> Chemical Engineers          | <u>      </u> Geotechnical Engineers  | <u>      </u> Graduate Engineers       |
| <u>      </u> Civil Engineers             | <u>      </u> Interior Designers      | <u>4</u> Project Managers              |
| <u>1</u> Construction Inspectors          | <u>      </u> Landscape Architects    | <u>      </u> Clerical                 |
| <u>      </u> Ecologists                  | <u>      </u> Land Surveyor           | <u>      </u> Grant/Funding Specialist |
| <u>4</u> Electrical Engineers             | <u>5</u> Mechanical Engineers         | <u>      </u> Sanitary Engineers       |
| <u>      </u> Engineer Intern             | <u>      </u> Environmental Engineers |  |
| <u>      </u> Professional Land Surveyors | <u>15</u> Designer/Tech/CADD          | <u>32</u> TOTAL                        |

**F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒**

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1. N/A

2. N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
 YES ☐ NO ☐

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|-----------------|------------|--------------------------------------|
| 1. N/A          |            |                                      |
| 2.              |            |                                      |
| 3.              |            |                                      |

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

32

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

David Bonaventure, PE, CEM, Principal

**Project Assignment:**

Principal in Charge  
SOQ 23-007 Professional Mechanical and Engineering Services  
Resolution No.141493

**Name of Firm with which associated:**

Salas O'Brien

**Years' experience with this Firm:**

22

**Education: Degree(s)/Year/Specialization:**

Louisiana State University, Bachelor of Science, 1999, Mechanical Engineering  
University of Houston, Masters of Business Administration, 2003

**Active registration: Year first registered/discipline:**

Professional Engineer LA #0031064 / 2004 / Mechanical

**Other experience and qualifications relevant to the proposed Project:**

Mr. Bonaventure joined Salas O'Brien in January 2000 as an Assistant Project Manager and Lead Mechanical Designer. He currently serves as the Principal In Charge of the New Orleans and Baton Rouge offices. Mr. Bonaventure is responsible for all projects at this location in addition to the mechanical design and specifications of projects for our production team. Mr. Bonaventure is a professional mechanical engineer with experience in management, design, and specifications of both large and small projects. David is ardent about his project's aesthetics and energy use. Because the visual aspects are so important to him, his projects are able to advance the clients' designs. Therefore, several his projects have gone on to win many architectural awards. He also went through the grueling task of becoming a Certified Energy Manager to further assist our clients in making the best energy decisions possible.

## TEC Professional Services Questionnaire

|  |
|--|
| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>   |
| <b>Name &amp; Title:</b>   |
| Jacob Truax, PE<br>SVP / Project Manager   |
| <b>Project Assignment:</b>   |
| Electrical Engineer<br>SOQ 23-007 Professional Mechanical and Engineering Services<br>Resolution No.141493   |
| <b>Name of Firm with which associated:</b>   |
| Salas O'Brien  |
| <b>Years' experience with this Firm:</b>   |
| 13   |
| <b>Education: Degree(s)/Year/Specialization:</b>   |
| Bachelor of Science, Electrical Engineering, Louisiana State University  |
| <b>Active registration: Year first registered/discipline:</b>  |
| LA PE.0040358 / 2015 / Electrical  |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |
| <p>Mr. Truax joined Salas O'Brien in September 2008 as an intern electrical engineer until he became a graduate electrical engineer in 2010. He then spent a little less than a year working as an electrical engineer for the Department of Energy in the Oak Ridge National Lab in Tennessee before eventually moving back to Baton Rouge and working for an industrial Engineering firm in the oil and gas industry. In July 2013, Mr. Truax returned to Salas O'Brien as an electrical engineer and project manager. He has designed, managed, and checked a variety of projects from commercial, retail, government facilities, industrial plant expansions as well as major retail developments and apartments/residential developments.</p> |

## TEC Professional Services Questionnaire

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |
|---|
| <b>Name &amp; Title:</b>  |
| Greg Talmage  |
| <b>Project Assignment:</b>  |
| Mechanical Designer<br>SOQ 23-007 Professional Mechanical and Engineering Services<br>Resolution No.141493  |
| <b>Name of Firm with which associated:</b>  |
| Salas O'Brien   |
| <b>Years' experience with this Firm:</b>  |
| 4   |
| <b>Education: Degree(s)/Year/Specialization:</b>  |
| Bachelor of Science, Mechanical Engineering, Louisiana State  |
| <b>Active registration: Year first registered/discipline:</b>   |
| N/A   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |
| Greg joined Salas O'Brien in 2019 as a graduate mechanical engineer. In his short time with Salas O'Brien, he has demonstrated an overall project knowledge by cross training across Mechanical, Electrical, and Plumbing divisions. He has designed and managed a variety of projects from commercial, retail, hospitality/food & beverage, government, educational, religious, and medical. |

## TEC Professional Services Questionnaire

|  |
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| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>                     |
| <b>Name &amp; Title:</b>   |
|  |
| <b>Project Assignment:</b>   |
|  |
| <b>Name of Firm with which associated:</b>                                   |
|  |
| <b>Years' experience with this Firm:</b>                                     |
|  |
| <b>Education: Degree(s)/Year/Specialization:</b>                             |
|  |
| <b>Active registration: Year first registered/discipline:</b>                |
|  |
| <b>Other experience and qualifications relevant to the proposed Project:</b> |
|  |

**TEC Professional Services Questionnaire**

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| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>                     |
| <b>Name &amp; Title:</b>   |
|  |
| <b>Project Assignment:</b>   |
|  |
| <b>Name of Firm with which associated:</b>                                   |
|  |
| <b>Years' experience with this Firm:</b>                                     |
|  |
| <b>Education: Degree(s)/Year/Specialization:</b>                             |
|  |
| <b>Active registration: Year first registered/discipline:</b>                |
|  |
| <b>Other experience and qualifications relevant to the proposed Project:</b> |
|  |

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:  |   |
|--|---|---|
| <p>Jefferson Parish Gretna Park Upgrades<br/><i>Marrero, LA</i></p> <p>(Worked for Architect)<br/>Manning Architects<br/>Tighe Kirkland<br/>504.412.2000<br/>tbk@manning.xyz</p> | <p>Salas O'Brien provided Structural, Mechanical, Electrical and Plumbing Consulting Engineering Services for Covid Memorial Park: Immediately north of the Westbank Expressway including the Covid Memorial, the walking trail, parking stalls, and picnic shelters The Amphitheater is excluded in this phase of the project. Farmers Market: Farmer's Market immediately south of the WBE including the stage, canopies, benches, washing station, and parking area. Kids Splash Zone immediately just south of the Johnny Jacobs Pool including the flow-thru splash zone facility and picnic shelters.</p> |   |
| Completion Date (Actual or estimated):   | Estimated Cost:   |   |
|  | Entire Project:   | Work for which Firm was Responsible:  |
| Ongoing  | Fee: \$65,000   | Mechanical, Electrical, Plumbing and Structural Consulting Engineering Services |

### PROJECT NO. 2

| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:   |   |
|--|--|---|
| <p>Jefferson Parish Public School System Helen Cox High School HVAC Renovation<br/><i>Harvey, LA</i></p> <p>(Worked for Architect)<br/>Manning Architects<br/>Dominic Willard<br/>504.412.2000<br/>daw@manning.xyz</p> | <p>Salas O'Brien provided Mechanical, Electrical and Plumbing Consulting Engineering Services for the HVAC renovation at an Helen Cox High School.</p> |   |
| Completion Date (Actual or estimated):   | Estimated Cost:  |   |
|  | Entire Project:  | Work for which Firm was Responsible:                                |
| 2022   | \$3,913,000  | Mechanical, Electrical and Plumbing Consulting Engineering Services |



## TEC Professional Services Questionnaire

| <b>PROJECT NO. 3</b>  |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility</b>  |   |
| IV Waste Knox Rd<br><i>Jefferson, LA</i><br><br>(Worked for Architect)<br>Zach Smith Consulting<br>Zach Smith<br>504.383.3748<br>zach@zachsmithconsulting.com | Salas O'Brien provided Electrical and Plumbing for a recycle truck unload and material sort site. Also performed site lighting and oil water separators on the storm drainage |   |
| Completion Date (Actual or estimated)   | Estimated Cost:   |   |
|   | Entire Project:   | Work for which Firm was Responsible:                    |
| 2022  | Fee: \$6,000  | Electrical and Plumbing Consulting Engineering Services |

| <b>PROJECT NO. 4</b>   |  |   |
|--|--|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| Bridge City Center for Youth<br><i>Bridge City, LA</i><br><br>State of Louisiana - Facility Planning & Center<br>Mark Bradley<br>225.342.0820<br>mark.bradley@la.gov | Salas O'Brien conducted assessment of existing piping, infrastructure to confirm project repairs/replacement. Arranged for sample testing and determining the extent of required environmental remediation |   |
| Completion Date (Actual or estimated):   | Estimated Cost:  |   |
|  | Entire Project:  | Work for which Firm was Responsible:                                |
| 2023   | \$400,000  | Mechanical, Electrical and Plumbing Consulting Engineering Services |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 5</b>  |  |   |
|---|--|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| Jefferson Parish Computer Lab Dorothy Watson<br><i>Metairie, LA</i><br><br>(Worked for Architect)<br>Manning Architects<br>Travis Martin<br>504.412.2000<br>tlm@manning.xyz | Salas O'Brien provided Structural, Mechanical, Electrical and Plumbing Consulting Engineering Services for A new computer lab designed and constructed in the interior of the existing building. |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b>                                     |
| 2023  | Fee: \$3,000   | Mechanical, Electrical, Plumbing and Structural Consulting Engineering Services |

| <b>PROJECT NO. 6</b>  |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| Jefferson Parish Schools Airline Park Academy<br><i>Metairie, LA</i><br><br>(Worked for Architect)<br>NANO Architects<br>Kristine Kobila<br>504.486.3272<br>kristinek@nanollc.net | Salas O'Brien is currently providing the renovation to Jefferson Parish Public Schools, Airline Park. The renovation of the administration and teachers works spaces in a 3,000 square foot space. This project consisted of new electrical, data, and HVAC, as well as minor plumbing modifications were designed. |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b>                     |
| 2021  | Our Fee: \$2,500  | Mechanical, Electrical and Plumbing Engineering Design Services |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 7</b>  |  |   |
|---|--|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| Chuckles Comedy Club<br><i>Gretna, LA</i><br><br>(Worked for Architect)<br>studioWTA<br>Tracie Ashe<br>tracie@studiowta.com | Salas O'Brien shall provided Mechanical, Electrical, Plumbing and Technology Consulting Engineering Services for the scope changes of the Chuckles Comedy Club - Tenant Buildout existing project. The scope changes include, but not limited to, the removal of the mezzanine, relocating all MEP equipment to the 1st floor, reworking 1st floor areas to make the MEP equipment fit, and other minor scope changes. |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b>                                 |
| 2022  | Our Fee: \$9,000   | Mechanical, Electrical and Plumbing Engineering, Technology Design Services |

| <b>PROJECT NO. 8</b>   |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>   |   |
| Audubon Zoo Capital one Pavilion<br><i>New Orleans, LA</i><br><br>(Worked for Architect)<br>Eskew Dumez Ripple Architects<br>Mike Johnson<br>504.561.5686<br>mjohnson@eskewdumezripple.com | The Capital One Field and Stage (or Audubon Zoo Pavilion) is located at Audubon Zoo in New Orleans adjacent to the Audubon Tea Room. Salas O'Brien worked as a subconsultant for Eskew Dumez Ripple Architects and the Audubon Nature Institute on electrical conceptual plans for improvements to the pavilion and surrounding area. |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2021   | \$318,933.61  | Electrical Engineering                      |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>   |   |  |
|--|---|--|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>   |  |
| GSA Wisdom Hall<br><i>New Orleans, LA</i><br><br>(Worked for Architect)<br>Gensler<br>Jacqueline Johnson<br>214.273.1500<br>jacqueline_johnson@gensler.com | Salas O'Brien is currently working on the GSA Wisdom Hall Building in New Orleans. The project includes establishing the potential sources for water intrusion and developing a forensic engineering plan to address them; providing professional consulting services for the preparation of a Feasibility Study (FS) for a prospective capital improvement project located at the John Minor Wisdom US Court of Appeals Building; and completing engineering design services for renovations of rooms 102, 106, 116, and 131 on the 1st Floor. This project will accomplish the build out of space needed to support the expansion of private offices for the 5th Circuit's Automation Department and Circuit Library, the construction of a training room, VCT conference room, and renovations to the Circuit Library's staff restrooms. |  |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |  |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b>            |
| Ongoing  | \$1,3000,000  | Mechanical, Electrical and Plumbing Engineering Design |

| <b>PROJECT NO. 10</b>  |  |   |
|--|--|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| The Beach at UNO<br><i>New Orleans, LA</i><br><br>(Worked for Architect)<br>Eskew Dumez Ripple Architects<br>Jose Alvarez<br>504.561.5686<br>jalvarez@eskewdumezripple.com | Salas O'Brien provided Mechanical, Electrical and Plumbing Consulting Engineering two buildings will have selected areas renovated over the course of three phases. It is anticipated that the area of renovation is approximately 52,000 - square-feet. There will also be site improvements. Phase 1: This Phase to include Landscaping, Signage/Wayfinding, Outdoor Space. Phase 2: This phase to include finish, lighting, and restroom upgrades to common spaces at the ATC and ITC#1 Buildings. Phase 3: This phase to include a master plan program and vision for approximately 38,000 sf of coworking and conference center at the CERM building. |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b>                         |
| Ongoing  | \$93,150   | Mechanical, Electrical and Plumbing Consulting Engineering Services |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>  |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| Redmellon Canal Street Development<br><i>New Orleans, LA</i><br><br>(Worked for Architect)<br>Trapolin Peer Architects<br>Ashley King<br>504.523.2772<br>aking@trapolinpeer.com | Salas O'Brien is providing MEP consulting engineering for the renovation of existing buildings into short term rental hotel. The project is located at 1000-1015 Canal Street and 934 Canal Street in New Orleans, LA. Two sets of buildings will be renovated that combine 81,973sf. These will consist of office spaces being converted into hotel type programs. The electrical systems will consist of the lighting system, electrical distribution system and location of all electrical devices. The electronic safety and security systems consists of performance specification to install a fire detection and alarm system. The access control system including device locations, cabling and specifying equipment. |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2021  | Fee: \$150,000  | Mechanical, Electrical and Plumbing Design  |

| <b>PROJECT NO. 10</b>  |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b> | <b>Nature of Firm's Responsibility:</b> |   |
|  |   |   |
| <b>Completion Date (Actual or estimated):</b>                  | <b>Estimated Cost:</b>                  |   |
|  | <b>Entire Project:</b>                  | <b>Work for which Firm was Responsible:</b> |
|  |   |   |

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

| Parties:   |            | Status/Result of Case: |
|------------|------------|------------------------|
| Plaintiff: | Defendant: |                        |
| 1. N/A     |            |                        |
| 2.         |            |                        |
| 3.         |            |                        |
| 4.         |            |                        |

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Please See Additional Pages Attached

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

**Signature:**  **Print Name:** David Bonaventure, PE, CEM

**Title:** Principal **Date:** 03/31/2023

## Firm Overview

Salas O'Brien is an engineering facility planning, design, construction management, and commissioning firm with 65+ offices and 2050+ employees across the United States and Canada with a local office located in New Orleans, LA. We use our experience at the intersection of energy, infrastructure, and sustainability to help high-profile clients meet their critical needs.

Salas O'Brien's multi-disciplinary teams include mechanical, electrical and plumbing engineers, technology and control systems designers, commissioning agents, fire protection engineers, construction administrators, and task-oriented professionals. Over the past 45 years, Salas O'Brien has developed particular expertise in planning, design, and construction in a variety of markets, such as education, commercial, retail, mixed use, etc.

## Experience in Jefferson Parish

- ▲ Cubesmart, Labarre Rd & Airline Hwy - Jefferson Parish, LA
- ▲ Free To Be Power Yoga Studio, 2328 Metairie Rd - Metairie, LA
- ▲ Priority Floors Renovation, 5403 Powell St - Harahan, LA
- ▲ Superior For Men - Gretna, LA
- ▲ John A. Alario Event Center Renovation - Westwego, LA
- ▲ JPPS Airline Park Academy Administration Building
- ▲ Surgical Center, 1041 Veterans Blvd - Metairie, LA
- ▲ Office & T-Shirt Print Shop, 658 Leson Ct. - Gretna, LA
- ▲ Sugar Mill Apartments - Kenner, LA
- ▲ Chuckles Comedy Club - Gretna, LA
- ▲ Westside Center South Smoke Infiltration Analysis - Gretna, LA
- ▲ Coldwell Banker Office Renovation, 320 Hessmer St. - Metairie, LA
- ▲ HotWorx Studio - Gretna, LA
- ▲ Bowers Ford Veterans Blvd - Metairie, LA
- ▲ Lakeview Self-Storage, Phase II - Metairie, LA
- ▲ Keller Williams, 3197 Richland - Metairie, LA
- ▲ Investar Banks Veterans Generator Upgrade - Metairie, LA
- ▲ Brookwood Storage Ames Blvd - Marrero, LA
- ▲ Blue Cliff College Renovation - Metairie, LA
- ▲ Investar Elmwood - Metairie, LA
- ▲ The Dog Stop Buildout - Kenner, LA
- ▲ Terrytown Storage Renovation - Gretna, LA
- ▲ Bridge City Center for Youth - Bridge City, LA
- ▲ Jefferson Parish Computer Lab Dorothy Watson - Metairie, LA
- ▲ Jefferson Parish Computer Lab JC Simons - Bridge City, LA
- ▲ Jefferson Parish Gretna Park Upgrades - Marrero, LA



## RECOGNITION

*Our consistent recognition among top performing organizations in our industry and across North America is a reflection of our commitment to excellence and strong year-over-year performance.*

**BUILDING DESIGN  
+ CONSTRUCTION**  
#10 - TOP 45 E/A FIRMS 2022

**Inc. 5000**  
**10x  
HONOREE**  
AMERICA'S FASTEST-GROWING PRIVATE COMPANIES

**MEP  
GIANTS**  
#13 2022

**2022  
HOT  
FIRM**  
ZWEIG GROUP

**2022  
ENR  
TOP 500** #78

## Mechanical Engineering

Our mission is to create environments that are functional and beneficial to the occupant's culture and quality of life. By providing unique responses to the individual needs of each client, we achieve a successful design that is an amalgamation of ideas from building owners and users. The resulting designs express a respect for people, community, and character, while meeting the more tangible goals of cost, schedule, and function.

### Mechanical Design Capabilities:

- ▲ Heating Ventilation Air Conditioning (HVAC)
- ▲ Building Systems Evaluations
- ▲ Chilled & Hot Water Environments
- ▲ Chiller & Cogeneration Plants
- ▲ Heating Hot Water Distribution
- ▲ Utility Coordination
- ▲ Facility Flood Assessment
- ▲ Energy Code Consultation
- ▲ Energy Modeling Capabilities

## Electrical Engineering

We will be an integral tool in shaping your future spaces to meet the demands of your community while enhancing the quality of life on campus. Salas O'Brien recognizes that your project is leading the charge in shaping your future, and requires a space that works the way YOU work. In addition to systems design for new facilities and building expansions, our engineers frequently provide existing electrical systems review and evaluation, in order to assist our clients in developing and prioritizing potential upgrade projects, budgetary costs, and phased growth plans. Our engineers have also provided detailed test and commissioning plans, as well as on-site witnessing of independent third party commissioning.

### Electrical Design Capabilities:

- ▲ AC power systems
- ▲ Low, Medium and High Voltage distribution systems
- ▲ ARC Flash Studies
- ▲ Electrical System Coordination Studies
- ▲ AC standby and emergency generation plants
- ▲ Network data centers
- ▲ Computer centers
- ▲ Telecommunications switch facilities
- ▲ Lighting Design
- ▲ Coordination with Utility Companies
- ▲ Energy Code Consultation



## Plumbing Engineering

Our team will provide real-world, field-tested perspective. We are experienced with multi-faceted teams to provide highly specialized designs. By providing unique responses to the individual needs of each client, utilizing technology specifically tailored to accomplish the highest quality sustainable infrastructure appropriate for each project. We have a long history of project design and construction and can accommodate evening and weekend installations. Our techniques and procedures assist in making sure that the project team can schedule and complete the documents, and, ultimately, construct the project to the client's as needed schedule.

### Plumbing Design Capabilities:

- ▲ Sanitary Waste and Vent
- ▲ Domestic Hot & Cold Water
- ▲ Facility Flood Assessment
- ▲ Fire Protection Performance Specifications
- ▲ Coordination with Civil Engineers
- ▲ Assisting Civil Engineer with MUD Coordination
- ▲ Roof Drainage
- ▲ Domestic Water Booster
- ▲ Natural Gas
- ▲ Specialty Plumbing Piping Systems critical

## Awards and Recognitions

### Salas O'Brien has received the following honors and awards:

- ▲ Learning in Design, Citation of Excellence - New Construction, Klein Cain High School, 2018
- ▲ Commissioning Giants, 2019
- ▲ Top 25 rated Commissioning Firm by Consulting Specifying Engineer Magazine
- ▲ US Trademark of "Common Sense Commissioning" process
- ▲ EMP Spotlight recipient by Energy Management Association (EMA) - Tim Gilbert
- ▲ Inc. 5000 Fastest Growing Company, 2021 (9 Time Winner)
- ▲ Learning in Design, Citation of Excellence - New Construction, Klein Cain High School, 2018
- ▲ Houston Business Journal Best Places to Work, 2020 - 2021
- ▲ Houston Chronicle Best Workplaces, 2020 - 2021
- ▲ ENR Texas and Louisiana, 2021 Best Project K-12 Education - New Brusly High School
- ▲ ENR Texas and Louisiana, 2020 - 2016 Top Design Firms
- ▲ Engineering News-Record, Top 500 for 2017
- ▲ Inc. 5000 (2014-2021) #2424
- ▲ MEP Giants, (2017 - 2021) #15

## Professional Affiliations and Certifications

- ▲ Professional Engineer (PE)
- ▲ Engineers in Training (EIT)
- ▲ LEED Accredited Professional (LEED AP)
- ▲ American Society of Plumbing Engineers (ASPE)
- ▲ Association for Learning Environments (A4LE)
- ▲ American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- ▲ American Society of Mechanical Engineers (ASME)
- ▲ Certified Plumbing Engineers and Designers (CPE/CPD)
- ▲ Institute of Electrical and Electronics Engineers (IEEE)
- ▲ National Society of Professional Engineers (NSPE)
- ▲ National Fire Protection Association (NFPA)