



# Building Design

O'Brien & Gere provides study, design, and construction services for a variety of facilities:

- Administrative
- Commercial
- Recreational
- Research and design
- Housing
- Water
- Wastewater

O'Brien & Gere provides these services to numerous industries, municipalities, and federal clients. Through the talents and expertise of the firm's structural, mechanical, electrical, and geotechnical engineers, as well as architects and designers, O'Brien & Gere offers comprehensive services in a timely and cost-effective manner.

## **BUILDING DESIGN SERVICES**

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- Space planning for new structures
- Meeting the changing needs of an existing building's occupants
- Planning and design services for new buildings
- Site planning and analysis
- Geotechnical and surveying services
- Interior design
- Investigation for asbestos and lead
- Materials research
- Building permit drawings, code consultation, and construction observation
- Cost estimating/economic analysis
- Civil, structural, mechanical, electrical, and environmental support on infrastructure projects
- Lighting design and analysis

## **ARCHITECTURAL /STRUCTURAL SERVICES**

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- Code review
- Site planning
- Life safety
- Seismic and wind load analysis
- Structural and foundation design
- Interior design
- Roofing design
- Americans with Disabilities Act (ADA) access consideration

## **GEOTECHNICAL SERVICES**

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- Engineering fills and pile foundations for buildings, bridges, municipal, and industrial facilities

### **CONTACT US**

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For more information please visit our website at [www.obg.com](http://www.obg.com) or e-mail [info@obg.com](mailto:info@obg.com)



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- Slope stability analyses
- Design of earth-retaining structures
- Foundation design

## **ELECTRICAL ENGINEERING**

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- Underground and overhead electrical distribution
- Low, medium, and high voltage
- Substations and transformers
- Generators
- Cogeneration systems
- Power quality review and investigations
- Instrumentation and control
- Interior and exterior lighting systems and analysis
- Uninterruptible power supply (UPS)
- Electrical master planning
- Airfield master planning
- Energy management systems

## **MECHANICAL ENGINEERING**

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- Heating, ventilating, and air conditioning (HVAC)
- Building utilities to include chilled water, steam, and condensate
- Natural gas, compressed air and high-temperature hot water
- Boilers
- Plumbing
- Fire protection systems, including wet, dry, and foam systems
- Chemical and fume exhaust systems

## **CONSTRUCTION SERVICES**

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- Contract administration
- Field representation
- Task-by-task progress monitoring
- Review and tracking of shop drawings
- Field modifications and documentation/negotiation of cost and scheduling impacts
- Record drawings

- Single-source client reporting
- Ongoing communication
- Final inspection and contract close out

## **PROJECT DELIVERY**

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Just as designs reflect your specific objectives, the construction approach also can be tailored to best accomplish your needs. Options include:

- Traditional project management
- Fast tracking when rigid time requirements are in place
- Turnkey design/build to streamline the link between design and construction efforts

O'Brien & Gere provides teams of experienced specialists—site planners, architects, engineers, and construction administrators—who are highly qualified to work with you to develop comprehensive, sound and efficient building designs.

