Laboratories
Laboratory Corporation of America, Burlington, NC

We provided the initial feasibility study for the HVAC replacement, which included the option of building an addition. A mechanical penthouse on the proposed addition provided space for and consolidates the major cooling and heating equipment. The penthouse and structure shell was sized to accommodate new chilled and heating water system equipment, including chillers, cooling towers, boilers and pumps.

We apply innovative design methods to meet changing building system advancements.

Laboratory facilities rely on critical building systems for daily operations. Our holistic design approach allows us to work with clients to design effective mechanical, electrical, and plumbing systems, tailored to the needs of individual clients. We often partner with facility owners and users to provide full design and commissioning services.
Holistic Lab Design

Our portfolio includes work for a broad range of clients from regional clinical laboratories to specialty testing laboratories. We have designed and constructed more than a million square feet of esoteric testing, genomics, and clinical and anatomic pathology laboratory facilities. We use dedicated in-house teams to provide complete engineering solutions that simultaneously coordinate and optimize facility systems into a streamlined design delivery method.

“What sets Dewberry apart from their competition is that aside from being creative, failure is not an option”.

Gary Aherron, Vice President
Laboratory Corporation of America

Laboratory Corporation of America, Burlington, NC
The P3 Testing Laboratory is a 6,000-square-foot biosafety level three (BSL-3) testing lab located on the third floor of the existing 93,000-square-foot esoteric testing laboratory building built in 1990. The renovation consisted of upgrading the mechanical, plumbing, fire protection, and electrical systems across two predominant lab areas.

Wake Technical Community College, Raleigh, NC
The new 65,000-square-foot Health Sciences building consists of 16 classrooms, seven labs, two video conference rooms, collaboration spaces, faculty offices and training rooms, and a campus data center. We provided mechanical, electrical, plumbing, fire protection, and technology engineering services for the design of the new facility.
Dewberry is a leading, market-facing firm with a proven history of providing professional services to a wide variety of public- and private-sector clients. We offer highly specialized subject matter expertise backed by the deep resources and stability of a national firm.

Our Services
- Arc flash, ground fault, and short circuit studies
- Building and lab airflow pressurization
- Building Information Modeling
- Commissioning, retro-commissioning, and monitor-based commissioning
- Construction administration
- Design-build turnkey services
- Facility and asset condition assessments
- Fire protection and fire alarm system design
- Fully occupied building and interior renovation
- Master planning, studies, and system analysis
- Mechanical, electrical, plumbing, structural (MEP) engineering system design

Our Specialties
- Biosafety level-3 labs (BSL-3)
- Esoteric testing, genomics and anatomic pathology labs
- Occupied space renovations (zero revenue impact)
- Fully automated testing labs
- Vivarium labs
- Clinical research labs
- High security projects
- Higher education research labs
- Central HVAC and emergency power plants
- Hospital and medical labs
- Mission critical TIER rated facilities

Committed Professionals
Thought Leaders
Client Advocates

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