



Healthcare MEP



Alamance Regional Medical Center, Burlington, NC

We performed site/civil engineering and designed the mechanical, electrical, plumbing, medical gas, and fire protection systems for a major facility expansion at Alamance Regional Medical Center. By phasing the project, all existing systems and services remained in operation throughout construction. These ultraviolet lights located inside a fan array air-handling unit help prevent mold growth.



Our mechanical, electrical, and plumbing engineers include many of the most experienced and respected industry experts.

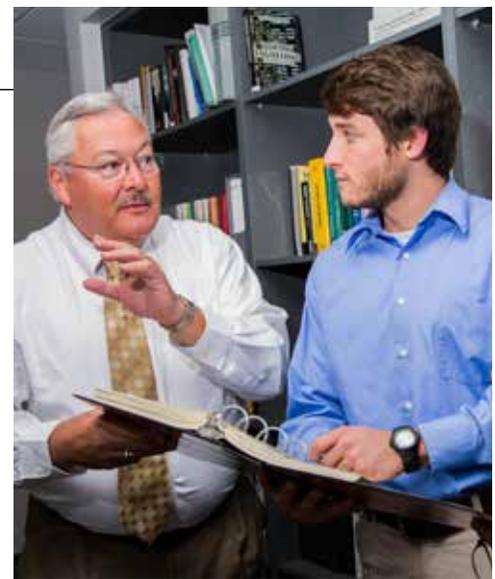
With national leaders active in the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE), the American Society for Healthcare Engineering (ASHE), and the National Fire Protection Association (NFPA), we bring state-of-the-art expertise in healthcare engineering.

Our experience goes beyond hospital design. With hands-on experience in field observations, system assessments, and troubleshooting, we help minimize operation and maintenance costs while achieving performance objectives, improving reliability, and optimizing energy costs.

HVAC



When we design hospitals, we are very concerned about temperature and humidity. Sick individuals can't afford one more physical disruption. Some patients—burn victims and small babies especially—need rooms that are warm and moist, while surgeons wearing gowns, masks, and aprons for hours need cooler temperatures. As experienced HVAC engineers, we understand hospital meteorology and make it work for your hospital on a room-by-room basis.



“The success of this project... could not have occurred without [Dewberry's] commitment as a client champion.”

Thomas Cavender, Vice President, Facilities & Construction
WakeMed Health & Hospitals

We work closely with healthcare administrators, medical engineering staff, and patients to create healing environments that support high-performing and efficient systems.

“Our project was fast-tracked. Dewberry kept up with the pace and was able to turn around all submittals quickly.... They pride themselves in keeping things simple and reliable more than squeezing out every BTU at the expense of maintenance.”

Bill Payne, Executive Director of Facilities
Cone Health System

Novant Health Inc., Charlotte, NC

To meet the increasing scrutiny of accreditation agencies, we are helping healthcare building owners demonstrate smoke control system compliance and effectiveness. With our knowledge of past and present building codes, we guided Novant Health Inc. through system testing, documentation, and protocols.

Cape Fear Valley Medical Center, Fayetteville, NC

Due to coastal proximity, hurricanes pose substantial power-outage risks to the Cape Fear Valley Medical Center—ranging from hours to days. We developed a plan to upgrade the center's aging emergency power system and deliver nearly four times the amount of emergency power than before using only two-and-a-half times the fuel.



Our Services

- Arc flash & breaker coordination
- Building automation & MEP systems troubleshooting
- Building & systems performance modeling
- Central plants
- Computerized drawing management system
- Energy audits & commissioning
- Fire protection & alarm systems
- Fire safety assessment & design
- Master planning, facility assessments, & budgeting
- Medical gas & vacuum system design
- New construction, renovation, & addition design
- Pressurization
- Temperature & humidity studies
- Voice & data system design

Representative Clients

- Cancer Treatment Centers of America
- Cape Fear Valley Health System
- Carolina East Health Care System
- Cone Health System
- Duke University Health System
- FirstHealth of the Carolinas, Inc.
- Fort Belvoir Community Hospital
- INOVA Health System
- New Hanover Health System
- Novant Health
- University of North Carolina Health System
- U.S. Department of Veterans Affairs
- WakeMed Health & Hospitals

Committed Professionals
Thought Leaders
Client Advocates



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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.

