



Wake Forest Baptist Health–Davie Medical Center Phase 1 (Medical Plaza One and Medical Plaza 2) Fact Sheet

Cost:

- \$89 million was spent on Phase 1 construction of Wake Forest Baptist Health – Davie Medical Center in Bermuda Run. The project comprises construction of Medical Plaza One and Medical Plaza Two and includes land, construction, furniture and equipment. Phase 2 construction of a 50-bed inpatient unit at the Davie Medical Center – Bermuda Run campus is expected to bring the total estimated cost of the overall project to approximately \$120 million.

Size:

- The Davie Medical Center – Bermuda Run campus is located on an 88-acre site at the intersection of Interstate 40 and State Highway 801. Approximately 40 acres are designated for commercial development and named River Hill Commons.
- Medical Plaza One is 60,000 square feet (SF) on four floors (with approximately 15,000 SF of unoccupied/unfinished space at this time).
- Medical Plaza Two is 101,000 SF on three floors (two floors are above ground).

Plaza Two services:

- The Emergency Department and Observation Unit have 23 exam rooms, including four for behavioral health patients and, at approximately 20,000 SF, is sized to accommodate up to 30,000 annual visits.
- There are two operating rooms. The typical surgeries will include orthopaedic, hand, foot and ankle procedures and eye surgery.
- The laser procedure room houses the FEMTO eye laser which provides precise and minimally invasive treatment of cataracts. The laser is one of a few of its kind in North Carolina and the only one in Davie County.
- Cardiac ultrasound will be available. This is the first time stress tests and transesophageal echocardiograms have been offered in Davie County.
- Noninvasive cardiovascular services will include electrocardiography (EKG) and surface echocardiology.

- Noninvasive neurology services will include electroencephalography (EEG - assists in diagnosis of various seizure disorders) and electromyography (EMG - helps in diagnosis of neuromuscular disorders by measuring electrical activity of nerves and/or muscles).
- There will be a range of imaging options including X-ray (uses wireless X-ray detectors), fluoroscopy, mammography (the first digital mammography system in the county) ultrasound, a CT (scanner has a feature called “dose modulation” that automatically reduces radiation based upon the tissue density of the body) and mobile MRI.
- Three Perioperative Assessment exam rooms.
- Two Sleep Center rooms.
- Pre- and post-operative facilities.
- Two minor procedure rooms (for noninvasive procedures).

Plaza One services:

- 43 exam rooms.
- Two treatment rooms.
- Cardiac rehabilitation facility.
- Orthopaedic rehabilitation facility.
- Pharmacy.

Other features:

- Approximately 40 acres of to-be-developed commercial property (River Hill Commons).
- A .9 mile walking/jogging path and bike lane (along River Hill Commons Circle).
- A lighted 1/10-mile walking path between Medical Plaza One and Medical Plaza Two.

Labor:

- An estimated 200 employees will work at Davie Medical Center – Bermuda Run when it opens on Monday, Oct. 14.
- 1,547 construction workers were involved in Phase 1 of Davie Medical Center – Bermuda Run.
- Many of the furnishings were produced by North Carolina furniture manufacturers.

Community input:

- Thirty-seven local and North Carolina artists* provided artwork for Davie Medical Center – Bermuda Run. The pieces, which range from paintings to sculpture, were selected by a community advisory group and designed to reflect the essence of Davie County.

- The community advisory group also suggested multiple seating areas that are located throughout the medical center, especially near patient registration check-in and check-out, so they are more comfortable for patients.
- The community advisory group also contributed to the campus' way-finding signage to make finding a location easier.

Green features:

- While the site is not registered for LEED evaluation, many design elements and selections follow sustainable principles. The building is designed for quality thermal efficiency and comfort, and includes daylight and view access for the public spaces.
- Most of the furnishings are by manufacturers who adhere to sustainable practices of reduced environmental impact and many contain recycled content.
- The building design integration with the natural site environment protected an existing stream area and organized the buildings around it to provide a natural landscape.
- Walking trails, ponds and landscaping further enhance the building and site as a beautiful environment for patients, visitors and the community.
- Environmentally selective interior and exterior materials were chosen, including regionally-produced masonry, climate and environment sensitive landscaping, bio-based materials, and a focus on finishes with recycled content and low volatile organic content when possible.
- Light emitting diode (LED) lighting technology is used throughout the building
- There are dimmers for individual lights in each room and systems, for the exterior lighting, corridors, public spaces and lobby, are in place.
- Premium efficiency motors are installed.
- Variable air volume air distribution HVAC systems allow the HVAC system to modulate airflow based on exterior and occupant loads. Adjusting the airflow based on load allows less motor energy and chilled water or heating hot water is used in off-peak periods.
- Variable flow technology has also been applied to the water systems through the use of variable speed drives.
- Sensor faucets, low-flow water closets and low-flow shower head assemblies are installed to reduce overall water usage.

New technology:

- Real-time Location System (RTLS) is a GPS for indoors. The system is being phased in to full deployment and will eventually be worn by all staff and patients. The device is the size of a credit card and has three buttons on it.
 - Staff can press for:
 - Duress.

- Assist.
 - Open – to be programmed for a department specific need such as housekeeping.
- Similar badges will eventually be used by patients as they enter/check in to:
 - Improve overall patient experience.
 - Reduce patient wait time.
 - Maximize the time providers spend with a patient (limits time a patient waits without health care being provided in the exam room).
- Same system tracks 220 categories of equipment including:
 - Wheelchairs.
 - Stretchers.
 - Beds.
 - IV pumps.
- Same system monitors refrigerator and freezer temperatures:
 - Saves staff time because monitoring is automated.
 - Ensures the safety and quality of the stored items and saves money because temperatures are adjusted and corrected the moment there's an issue.

Design and construction team:

- INTERIOR DESIGN - CJMW Architecture, Winston-Salem
- OWNER REP - Summit Healthcare Group, LLC, Winston-Salem/Mooresville
- ARCHITECT - HKS, Inc., Richmond, Va.
- MEP ENGINEERS - Leach Wallace Associates, Inc., York, Pa.
- CIVIL ENGINEERS - Stimmel Associates, PA, Winston-Salem
- GENERAL CONTRACTOR - Rodgers Builders, Inc., Pat Rodgers, President CEO, Charlotte; Andy Cyr, Onsite Construction Operations, Bermuda Run; Sandy Aycock, Senior Superintendent, Bermuda Run
- FURNITURE DESIGN - Workplace Strategies, Inc., Winston-Salem
- ARCHITECT - West & Stem Architects, PLLC, Winston-Salem

Local subcontractors and vendors:

- | | |
|--|--|
| • AAR Roofing, Kernersville | • Express Cleaning Service, High Point |
| • Blakley Landscaping, Mocksville | • Labor Source, High Point |
| • Bonitz Flooring, Greensboro | • Precision Walls, Greensboro |
| • Colter Electric, Winston-Salem | • S&L Painting, Winston-Salem |
| • Contract Business Solutions, Winston-Salem | • Starr Electric, Greensboro |
| • EAS, Greensboro | • Team Roofing, Winston-Salem |

- Watson Electrical, Winston-Salem
- Watson Wood Works, Winston-Salem
- Yadkin Valley Paving
- Johnson Controls, Greensboro
- Williams Construction, Davie County
- Ferguson Enterprises, Greensboro
- Foothills Irrigation, Advance
- Simplex Grinnell, High Point
- Roofing Supply Company of Greensboro
- Bloomday Granite, Winston-Salem
- Six of the companies involved in the Phase 1 construction are minority or female-owned. They are Rodgers Builders, Piedmont Stucco, Firestop Carolinas, Watson Electrical, S&L Painting and Express Cleaning Service.

Construction facts:

- Moved 312,000 cubic yards of dirt.
- Installed almost four miles of utility piping below the 88-acre site.
- Placed approximately 6,400 cubic yards of concrete.
- Used approximately 4,000 pieces of structural steel, totaling nearly 2 million pounds.
- Installed 55 miles of electrical conduit.
- Laid about 100,000 brick masonry units.
- Installed more than 4,000 light fixtures.
- Hung 14,000 sheets of drywall.
- Put in approximately 140,000 pounds of ductwork.

*Local and North Carolina artists whose work is displayed at Davie Medical Center – Bermuda Run:

- | | | |
|--------------------|------------------------|---------------------|
| • Carolyn Blaylock | • Alexis Lavine | • Fran Speight |
| • Ralph Calhoun | • Barbara Mann | • Rich Stevenson |
| • Julian Charles | • Dominic May | • Brian Sykes |
| • Judy Crane | • Daniel McClendon | • Terry Thirion |
| • Melissa Day | • David McWilliams | • Margaret Harrison |
| • Helen Ethers | • Franklyn Millman | • Marsha Thrift |
| • Carl Galie | • Steve Rice | • Marshall Tyler |
| • Ralph Henzler | • Bill Robertson | • Benita VanWinkle |
| • Alix Hitchcock | • Fowler Ruffin | • Wendy Whitson |
| • Virginia Ingram | • Caroline Sanders | • Mona Wu |
| • Del James | • Anne Kessler Shields | • Lita Gatlin |
| • Leslie Karpinski | • Libby Smart | |
| • David Kessler | • Pat Spainhour | |