



HYDRO MOBILE

ELEVATING  
EFFICIENCY

*Clarksville, Tennessee, USA  
Gateway Medical Centre  
2008*













**For immediate  
release...**

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### **When experience makes the difference**

In Clarksville, Tennessee, Gateway Health System is getting ready to move its medical materials, patients and staff to the new Gateway Medical Centre that will be completed in July of 2008.

The construction of this 510,000 square foot hospital started in June 2006, under the direction of BE&K Building Group, the General Contractor, and has been very challenging for many trades involved in the project. Among them, Shaw & Jones Masonry, a masonry contractor out of Brentwood, Tennessee, who took advantage when bidding this project of its fleet of 25 Hydro Mobile mast climbers and its 11-year experience with this access equipment to win the contract. Jerry Jones explains: "Some of the contractors that we bid against did not have mast climbers. This made it hard for them to align their prices with ours."

Shaw & Jones Masonry was contracted to lay bricks from the 2<sup>nd</sup> to the 5<sup>th</sup> floor of an 89 feet high façade; but with a one story lobby already in construction and the rest of the hospital built in recess, they had no ground clearance to set up their mast climbers.

"We know our Hydro Mobile platforms very well and we know there is always a solution to every challenge", says Jerry. "We came up with an unusual set-up with the base of the machines installed inside the first floor and the masts extended through the roof. Then we basically lifted the mast climbers with a 200 TN crane and installed them on the masts, above the first floor's roof."

Shaw & Jones Masonry had an average of 25 persons working on this project, with 10 masons laying brick on 90,000 square feet of facade. 12 Hydro Mobile mast climbers were used and with no access for other lifting equipment, two 4,000 lb capacity hoists were set on the platforms to load brick and other material.

Originally the schedule for bricklaying was 6 months, but Shaw & Jones Masonry plans to finish one month early. "Hydro Mobile's platforms are faster to set up than other access equipment and once they are in place, you can put brick pallets or any heavy loads anywhere on their 7' wide decks. What's more, our masons work from a lower area, lifting and laying brick always at an ergonomic height. They feel safer, they work faster and they get less tired", said Jerry Jones.



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Mike Kehrwald of Mid-South Equipment, a distributor of Hydro Mobile, offered his observation about Shaw & Jones Masonry: “They have been a long time client and own two types of Hydro Mobile mast climbers: M-series, supporting up to 20,000 lb of material, and P-series, perfect for smaller jobs that require high loading capacity. They even have first generation M-series that they bought in 1996 and that they still use on most of their jobsites.”

Hydro Mobile is a privately owned corporation. The company is mainly involved in the design, manufacturing and distribution of mast climbing work platforms for the construction industry. Hydro Mobile platforms are distributed throughout North America and Europe through a wide network of distributors that are recognized as key players in construction equipment sales and rental. With over 5000 platforms on the market, Hydro Mobile is unquestionably the leader of the industry.

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## Building Group

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# Gateway Medical Center Clarksville, TN



Gateway Medical Center is ranked number six "Top Construction Projects to be started in 2006 & 2007" according to the September 2006 issue of *Health Facilities Management Magazine*.

## Fact Sheet

### Site

- Total Site 60 acres
- Building footprint is 6.2 acres
- Excavation of 280,000 cubic yards of dirt
- Over 1 mile of storm piping
- Almost 2 miles of sewer and water piping
- 31,000 LF of concrete curb
- 780,000 SF of Asphalt

### Occupancy

- 270 Beds
- 12 Operating Rooms
- Fully Equipped Imaging Department
  - 2 Cath Labs
  - 5 X-Ray Rooms
  - 4 Nuclear Medicine
  - 2 MRI
  - 2 CT
  - 5 Ultra sound
  - 4 Mammo
  - 1 Specialty Procedures
- Emergency Department
  - 2 Trauma
  - 2 Cardiac Rooms
  - 38 Exam Rooms
- 250,000 man hours worked as of 3/15/07

### Structure

- 510,000 square feet
- Approximately 11,340 cu. yards of Concrete
- 145 tons of Concrete Reinforcing Rebar
- 3,100 tons of Structural Steel

### Exterior Materials

- 160,000 SF of EIFS
- 100,000 SF of Brick/Block
- 248,000 SF Sheathing
- 292,000 LF (55 miles) Exterior Metal
- 843,000 SF Insulation
- 1,315,000 lbs Metal (approx. for Int/Ext)
- 35,876 SF Exterior Glass
- 3 Flag Poles

### Mechanical / Electrical

- 6 Cooling Towers, 3 Chillers (825 ton)
- 1,400 Plumbing Fixtures
- 565,550 CFM of air from 22 AHU 's
- 1,400,000 lbs. of HVAC Sheet Metal
- 35 miles of Pipe
- Approximately 774,000 LF of electrical conduit
- Approx. 3,829,000 LF of electrical building wire
- 7,816 Receptacles
- 3,282 Switches
- 8,315 Light Fixtures
- 5,000 Sprinkler Heads
- 2 - 400 HP Boilers
- 3 - 12,000 gal Fuel Tanks

### Schedule

- Ground Breaking was June 29, 2006
- Steel Erection began on September 25, 2006
- Topping Out Ceremony was held on February 15, 2007
- Completion will be in July 2008

### Interior Materials

- 1,475,000 LF (279 miles) Interior Metal
- 3,945,000 lbs of Drywall (approx.)
- 2,100,000 SF of Interior Board
- 100-110 semi loads of gypsum products
- 1,506 Door Frames
- 1,658 Doors
- 594 Metal Lockers
- 5,608 ft. of Cubical Track
- 1,250 Corner Guards
- 5,800 LF of Handrail
- 16,150 LF of Crashrail
- 6,052 SF Interior Glass
- 89,500 SF of Hard Tile
- 110,400 SF of Sheet Vinyl
- 165,000 SF of VCT
- 11,700 SF of Luxury Vinyl Tile
- 34,850 SF of Rubber Flooring
- 91,900 SF of Carpet
- 30,000 SF of Sealed Concrete