

# BUILDING for the FUTURE



Courtesy of Ballinger/PixelCrat

## New UNIVERSITY OF MARYLAND MEDICAL CENTER TOWER will enhance TRAUMA, CRITICAL CARE and EMERGENCY SERVICES

A groundbreaking ceremony on May 13, 2010, marked the start of construction of the University of Maryland Medical Center's \$160 million, nine-floor building. The new facility will significantly expand the renowned R Adams Cowley Shock Trauma Center, boost the capacity of the medical center's adult and pediatric emergency departments and provide additional beds for surgical intensive care patients.

### GROWING DEMAND FOR TRAUMA CARE

"Our Shock Trauma Center currently serves nearly 8,000 patients annually in a 20-year-old building originally designed for 3,500 patients. This new building will greatly enhance our capacity to treat patients who need the highest level of trauma, emergency and surgical critical care," says Jeffrey A. Rivest, president and chief executive officer of the University of Maryland Medical Center.

"We know that there will be

increasing demand for trauma and other emergency services, as well as surgical and critical care, in the coming years," Rivest says. For example, the medical center estimates that it will handle nearly 80,000 emergency department visits a year by 2016, compared with nearly 64,000 visits in 2008.

The new building is scheduled to be completed in 2013. Renovation of adjacent floors in the existing Shock Trauma Center could continue into early 2014.



### PROJECT WILL GENERATE JOBS

Whiting-Turner, a Baltimore-based firm, is the construction manager for the project. "We expect the project to generate about 300 construction jobs and have a significant impact on the local economy," says Leonard Taylor, Jr., vice president of facilities. The medical center's goal is to have 25 percent of the work performed by minority contractors.

By the time the building is completed, the medical center plans to add 250 employees to its work force to staff the expanded areas. Currently, the medical center has more than 6,800 employees.

### PATIENT-FOCUSED DESIGN

The entrance to the building will be on Lombard Street, just west of the connection to the Weinberg Building. There will be a reception desk and waiting area on the first floor for family members and visitors of Shock Trauma patients. People coming to the medical center's expanded adult and pediatric emergency departments will use a separate entrance located in the Weinberg Building.

Karen E. Doyle, MBA, MS, RN, vice president of the Shock Trauma Center, notes that nurses and other staff members were involved in planning the new building, looking at work-flow issues, as well as patient safety and comfort. "First and foremost, we wanted the new space to be patient- and family-centered in addition to making sure it would be user-friendly for our staff," Doyle says.

### NATIONAL TRAINING CENTER

"The new building also will house a newly created National Trauma and Emergency Medicine Training Center," says Thomas M. Scalea, MD, physician-in-chief of the Shock Trauma Center and the Francis X. Kelly professor of trauma surgery and head of the Program in Trauma at the University of Maryland School of Medicine. "It will be a technologically advanced simulation facility to enhance the skills of both civilian and military health care professionals."

The training center will have four simulation rooms and be located on the new building's first floor. Since 2001, US Air Force surgeons, nurses and technicians have been coming to Shock Trauma for training through the Center for Sustainment of Trauma and Readiness Skills (C-STARS) program.



### ENVIRONMENTALLY RESPONSIBLE FEATURES

The building was designed by Ballinger, a Philadelphia, PA-based architectural firm, in an "environmentally sustainable" way. It is expected to meet criteria for LEED (Leadership in Energy and Environmental Design) certification from the US Green Building Council as a "green" building. LEED certification means that a building is constructed to be environmentally responsible by reducing energy consumption and cutting waste, both during construction and when the building is in use.

### GROWTH STRATEGY

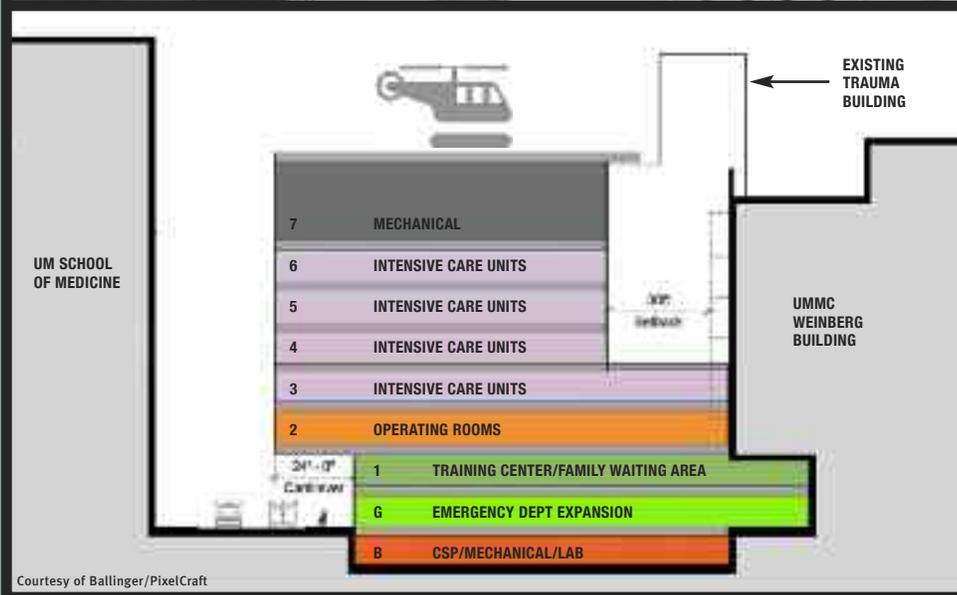
The new building is Phase IV of the University of Maryland Medical Center's strategic facilities expansion plan. The existing Shock Trauma Center opened in 1989, the Homer Gudelsky Building opened in 1994 and the Harry & Jeanette Weinberg Building opened in phases from 2003 to 2006.

## BUILDING for the FUTURE

The University of Maryland Medical Center's \$160 million building will significantly expand its world-class Shock Trauma Center and increase its capacity to care for patients who need the highest level of trauma, emergency and surgical critical care.

The 140,000-square-foot tower at the corner of Penn and Lombard streets will enlarge the Adult and Pediatric Emergency Departments and house 10 state-of-the-art operating rooms and 64 new and replacement critical care beds.

The nine-floor building will be connected to the existing R Adams Cowley Shock Trauma Center and the Weinberg Building, with the main entrance on Lombard Street.



The building is expected to be completed in 2013, although renovation of adjacent floors in the existing Shock Trauma Center could continue into early 2014.



For information about the fundraising campaign, visit [www.ummsfoundation.org](http://www.ummsfoundation.org) or call 410-328-5770.

### QUICK FACTS

- 140,000 square feet of new construction; 35,000 square feet of renovated space
- Nine stories, including basement and ground level
- Expanded Adult Emergency Department
- Expanded Pediatric Emergency Department
- 10 state-of-the-art operating rooms
- 14 additional PACU (Post-Anesthesia Care Unit) beds
- 64 private ICU (Intensive Care Unit) rooms on third, fourth, fifth and sixth floors
- Helipad on roof
- National Trauma and Emergency Medicine Training Center
- 300 construction jobs created
- 250 additional UMMC employees by 2013

### ENERGY CONSERVATION MEASURES

- Low-flow plumbing fixtures
- High-efficiency light fixtures
- Occupancy-sensor lighting controls
- Maximum use of heat recovery techniques to reduce energy consumption
- Capturing rainwater for cooling

### MAJOR FUNDING SOURCES

- \$50 million from the State of Maryland over five years
- \$2.4 million from the US Department of Defense for equipment in the operating rooms with more federal funding anticipated
- Major fundraising campaign to raise \$35 million led by Senator Francis X. Kelly. Cal Ripken, Jr., is the honorary chairman.