

**NEWS RELEASE**  
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**O'Donnell & Naccarato uses Building Information Modeling (BIM) technology to design the new University Medical Center at Princeton**

(PLAINSBORO, NJ) — The new University Medical Center at Princeton (UMCP) will not only be state-of-the-art in terms of medical capabilities when it opens its doors in 2011, but it will also be one of the growing number of projects that has been designed using leading-edge modeling technology.

The \$442 million project will replace the older facility located on Witherspoon Street in downtown Princeton. The new construction broke ground in October 2008 and will consist of approximately 636,000 SF of interior space, with 238 private patient rooms, state-of-the-art emergency services, operating suites and a comprehensive array of ambulatory services and laboratories. The design will incorporate robotics, advanced imaging, and other emerging technologies throughout the hospital.

In order to facilitate the design of this state-of-the-art medical center, joint venture architects Hellmuth, Obata & Kassabaum (HOK) and RMJM Hillier along with consulting structural engineers at O'Donnell & Naccarato documented the project design using BIM tools — [Revit Architecture](#) and [Revit Structure](#).

Building Information Modeling tools are the next generation of building design documenting technology that allows architects, engineers and other design professionals to construct a virtual structure in three dimensions. This allows architects, engineers, other professionals to troubleshoot projects digitally and resolve building component clashes, thus reducing constructability-related change orders.

O'Donnell & Naccarato is on the leading edge of the BIM revolution having begun using and participating in the refinement of the BIM application [Revit Structure](#) in 2006. Since that time the firm has designed more than 6 million SF of projects utilizing the software and is on track to be 'virtual modeling' 100 percent of its projects by January 1, 2009.

"BIM and the [Revit](#) programs are redefining how we deliver our projects," says Nick Cinalli, CEO, O'Donnell & Naccarato. "This software is well on its way to becoming the industry standard within the coming years, but it will be our standard in January."

The University Medical Center at Princeton will serve as the hub of a 160-acre health campus that will also include a medical office building, a fitness and wellness center, a health education center, a senior residential community, a skilled nursing facility, pediatric services and a 32-acre public park.

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***About O'Donnell & Naccarato*** For more than 50 years, O'Donnell & Naccarato has been recognized for its expertise in designing and managing projects of all sizes, types and levels of complexity. Based in Philadelphia, the consulting structural engineering, parking consulting and façade restoration consulting firm maintains offices in the Lehigh Valley (PA); Princeton, NJ; and Washington, DC, areas. For more information, visit [www.o-n.com](http://www.o-n.com).

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