

# ST. CLARE MEDICAL CENTER



## PROJECT HIGHLIGHTS

### ST. CLARE MEDICAL CENTER: A COMPLETE REPLACEMENT HOSPITAL FOR ST. JOSEPH'S IN KIRKWOOD

A complete replacement hospital for the existing St. Joseph's in Kirkwood. The facility will be named St. Clare Medical Center. The \$145 million replacement hospital is situated on a former golf course in Fenton, Missouri. The 140 acre site will house a new 420,000 sf medical facility including a 6 story bed tower, and a full service medical center. The project is being performed under the Lean Construction method which creates a partnership between the main contractors on the project, all working to maximize the cost savings between the lean partners to benefit the overall project costs for the owner, as well as

providing a completely coordinated building in the process. The Lean methods are also used to help the project meet the compressed schedule allowing efficient installations of the MEP/FP and the architectural installations reducing the overall crew sizes and providing better a facility for the owner in the outcome. The project team is utilizing the "Big Room" concept which uses one computer network for the main lead partners, where everyone uses one common 3D model to coordinate all the building systems with the structural frame and architectural finishes of the building, prior to actual construction in the field. This provides for interferences to be indentified and corrected in the 3D model before they become costly reworks in the field.

### CLIENT

Sisters of Mercy Health System

### BUILDING TYPE

Data Center

### PROJECT SIZE

Total Project 145 million  
Murphy Component 33 million

### CONTRACT TYPE

Design Assist/GMP

### PROJECT DURATION

18 months

### MURPHY TEAM

Sr. Project Manager Jim May  
Plumber Superintendent Ralph Franzen  
Piping Superintendent Stan Zoellner  
Sheetmetal Superintendent Gary Stevens

### MURPHY COMPANY SCOPE OF WORK

Design Assist, HVAC, Plumbing, Process Piping

### PROJECT TEAM

Engineer Murphy Co  
Electrical Guarantee  
General Contractor Alberici

### DETAILS

- Complete Replacement Hospital for St. Joseph's in Kirkwood
- Complete power plant, emergency room, imaging center, operating facility, birth center, patient tower and medical offices.
- 18 month project construction schedule beginning in June 2007 concluding December 2008
- Maximum Murphy crew size on the job is projected at 100 craftsman