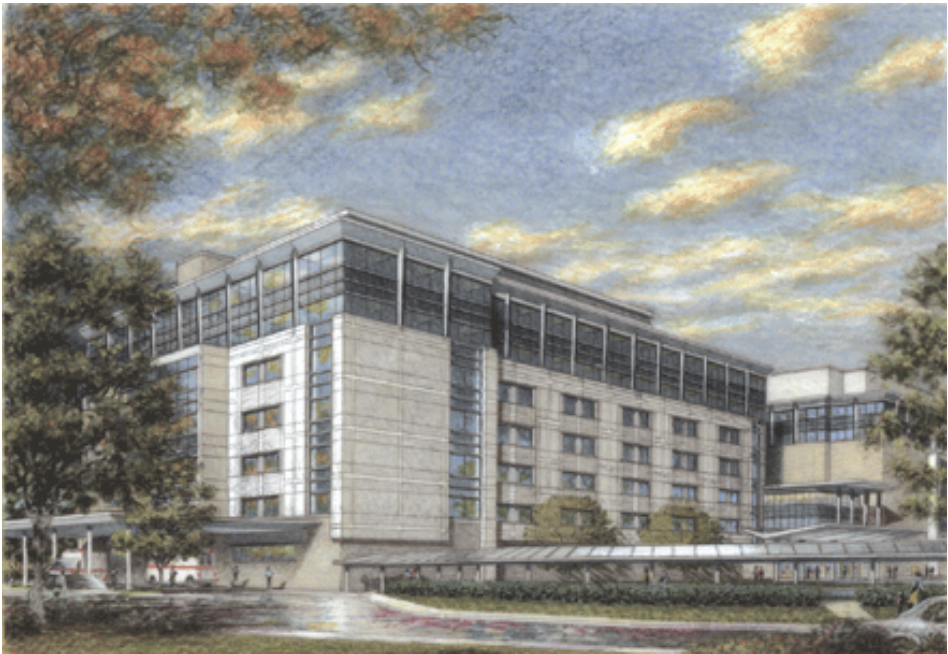


ST. JOHN'S MERCY MEDICAL CENTER – HEART HOSPITAL



PROJECT HIGHLIGHTS

INNOVATIVE USE OF PREFABRICATION

To alleviate a congested job site and expedite the construction process, Murphy Company made extensive use of its piping, plumbing, and sheetmetal fabrication facilities. Over 20,000 manhours of work were performed off site, often prior to or in conjunction with the actual construction of the building. The major piping for the mechanical rooms was prefabricated and assembled onto movable racks with wheels which doubled as the hangers for the pipe. After being delivered to the site, cranes were able to pick the racks, which were then wheeled into place and hung from steel plates that had been embedded into the concrete ceilings. The risers and rough in for over 350 plumbing fixtures were also fabricated off site and delivered to each floor on carts.

Much of the sheetmetal for the job was pre-assembled at a Warehouse

into preassembled sections. This reduced the use of the buck hoist to deliver the sheetmetal by over 50%.

PRE PLANNING AND COORDINATION

Beginning at the design development stage, Murphy worked closely as a team with the owner, owner's reps, engineers, architects, onsite construction team as well as the end users of the project, the doctors. We took advantage of early involvement to maximize several time and cost savings opportunities such as prefabrication and early coordination. Through the use of our innovative new 3D software capabilities, Murphy Company led the coordination of all trades. We assembled updates from project team members from other trades via ftp sites and compiled this information into the software program. This process allowed for a continuous flow of design and development on the project.

CLIENT

St. John's Mercy Medical Center

BUILDING TYPE

Heart Hospital

PROJECT SIZE

Total Project	\$100+ million
Murphy Component	\$18.7 million

CONTRACT TYPE

GMP

PROJECT DURATION

17 months

MURPHY TEAM

Sr. Project Manager	Jim May
Lead Engineer	Rodger Dorrah
Plumbing Foreman	Ralph Franzen
Piping Foreman	Stan Zoellner
Sheetmetal Foreman	Mitch Ebert

MURPHY COMPANY SCOPE OF WORK

Engineering
 Plumbing, HVAC & Med Gas
 Shell & Core
 Tenant Finish
 Coordination Drawings

PROJECT TEAM

Architects	Christner
Engineer	Murphy Co.
General Contractor	McCarthy

DETAILS

- State of the art, new 360,000 sf heart hospital
- The 8+ story building includes an emergency room, five operating rooms, 96 patient rooms, six Cath Labs, a kitchen, café, and three floors of doctors offices
- 17 month project schedule beginning in January 2004, concluding May 2006
- Maximum Murphy crew size on the job was at 90 craftsmen