SISTERS OF MERCY HEALTH SYSTEM – DATA CENTER

PROJECT HIGHLIGHTS

ALL WORK COMPLETED INSIDE FULLY OPERATIONAL DATA CENTER, NO DOWN TIME

The existing data center was required to remain in service at full capacity for the entire duration of the upgrade project. This required working around above critical million-dollar equipment without interrupting or damaging the equipment. The existing glycol-cooled equipment was replaced with chilled water-cooled equipment. A new 330-ton air-cooled chiller was installed outside, and the chilled water main headers were fabricated and routed into the data center. Chilled water branch piping was pre-fabricated and routed into the data center. Chilled water branch piping was pre-fabricated and assembled in the Murphy Company piping fabrication facility, for installation in the field to minimize the need for welding and brazing inside the data center. The new chilled water system was started up and the chilled water loop circulated thru the branches in the data center. Final equipment connections were made in sequence with the demolition of the old equipment, and installation of the new chilled water equipment, enabling the switchover to occur without service interruption.

CLIENT
Sisters of Mercy Health System

BUILDING TYPE
Data Center

PROJECT SIZE

Total Project	5 million
Murphy Component	1.1 million

CONTRACT TYPE
Lump Sum

PROJECT DURATION
5 months

MURPHY TEAM

Project Manager	Al Shields
Lead Engineer	Mike Werdes
Piping Forman	Mike Schoen

MURPHY COMPANY SCOPE OF WORK
Engineering

PROJECT TEAM

Engineer	Murphy Co
Electrical	Sachs Electric
General Contractor	Lawlor

DETAILS
- Upgrade and capacity expansion of existing 7,000 sf data center
- Single story raised floor data center, operations command center, and print room
- 5 month project schedule beginning in December 2006 concluding May 2007
- Maximum Murphy crew size on the job was 10 craftsman