

PINNACLE HEALTH HARRISBURG HOSPITAL

A 28-month control job has been completed at Pinnacle Health Harrisburg Hospital, a 425 bed acute care hospital in Harrisburg, Pennsylvania. McClure Company, a wholly owned subsidiary of PPL Corporation, successfully participated in the \$57 million, 24-phase construction and renovation project at Harrisburg Hospital.

The project, completed in March 2001, included the construction of a six-story, 45,000 square-foot hospital tower, four cardiac cath labs, two EP labs, a neonatal intensive care unit, five cardiac operating rooms, renovation of twelve existing ORs, 230,000 sq.ft. of hospital space, expansion of the emergency department, and a parking garage. The HVAC system included a chilled water system, steam to hot water heating system, low temperature ducted HVAC, electrical system upgrade from 120V to 480/277V, three emergency generators and a fire protection system.



All automatic temperature control (ATC) equipment is manufactured by AAM, this includes new work, as well as conversion of the existing pneumatic to AAM. The Main Hospital control system is composed of 750 unitary controllers (100 main units and 650 terminal units, i.e., fan powered VAV boxes, constant volume boxes, and individual room reheats). These consist of DX1™, GX1™, MC1™, TC1™, TX1™, and IX1™ Unitary Controllers networked electronically and optically to three SAGEMAX area controllers. Two PCs and a laptop run Auto-Pilot to provide on-site and off-site operator interface.

The system expands with 250 unitary controllers in the remote South-gate office building—a water source heat pump facility utilizing the HX1 controller and a fourth SAGEMAX. Five family medicine centers around the county complete the system with packaged rooftop units controlled by MC1s and interfaced to Auto-Pilot at the Main Hospital through five SF1s.

During demolition, construction, commissioning, and inspection, sterile conditions and techniques were maintained throughout the hospital. All daily hospital operations, including emergency department and operating room activities continued to run smoothly due to well-planned construction phasing by Barclay-White-Skanska, Construction Manager; Schunkewitz & Murray, Architects; and R.M.F. Engineering. One thousand AAM unitary controllers, four SAGEMAXs, five SF1s and Auto-Pilot—a system on which Pinnacle Health System can depend.

