

UNIVERSITY OF WASHINGTON MEDICAL CENTER

Seattle, Washington

Project Description:

The principle construction project consisted of the addition of a major patient bed wing along with the general renovation of many existing departments of University Hospital. This led to the opportunity to modernize the Hospital's voice communications (telephone and specialty intercoms) systems and critical equipment alarms, which were found to be lacking operational performance and reliability.

ACSI's Responsibilities:

ACSI was engaged by the University of Washington to design a new Private Automatic Exchange (PABX), security and critical equipment alarm systems for the recently added portions of the Hospital. This project represents the University's first withdrawal from a 15,000 line CENTREX installation. The new system requirements included 1,400 lines and a very complex set of operational and reliability requirements to support more than 40 departments and 22 clinics. ACSI's three-phase Scope of Work included departmental interviews, traffic studies, management consulting, system concept development, design/RFP, and construction /cutover supervision.

Under this engagement, ACSI also designed a custom facility security and critical equipment alarm monitoring system. Based on state-of-the-art technology, this system monitors both entrance/egress and internal facility security, as well as reports on the status of numerous critical building systems and equipment items. Because of the 7-24-365 operational requirement, ACSI sequenced the fabrications, assembly installation and technology so as not to interrupt a single health care activity.

Systems Designed by ACSI

- ❖ Voice and data cabling system
- ❖ Voice and data routing switches
- ❖ Critical equipment status and alarm system
- ❖ Hands-free intercom system
- ❖ Nurse call and intercom system
- ❖ Security system
- ❖ Automatic call distribution sub-system
- ❖ Central answering point consoles
- ❖ Automated directory system

