SECURITY SYSTEMS

Scope

Provide a security system when required by the Program Documents.

Provide a security system that connects to a Larse Class A remote transmitting unit in each building for notification at the Church Street Security Office. The system shall have proprietary Class B circuits.

Design Requirements

Locate sensors so that they are accessible for maintenance by the use of a ladder only. No lifts or scaffolding shall be required for maintenance.

Locate the security system control panel in a clean, dry, heated and ventilated closet or electrical room near a building entrance. Locate the panel in the same closet or room as the fire alarm system control panel or Larse panel if possible. The panel shall not be located in a building corridor, loading dock area or other high traffic area.

Equipment Requirements

The security system shall be resistant to damage from power system surges, spikes and voltage dips. The system shall be emergency battery backed.

The security system shall be field programmable. When a special device is required to perform field programming, 1 programmer shall be provided as part of the system unless the University already owns an appropriate programmer.

All wiring for the security system shall be in conduit or surface raceways. Use concealed conduit whenever possible and practical. When concealed conduit cannot be used in finished areas, provide surface raceways.

Route security system wiring in separate conduits or surface raceways from the other building wiring.

Installation Requirements

Instruct the Contractor to wire the sensors in each zone in numerical order beginning with the detector closest to the control panel, and progressing away from the control panel.

Instruct the Contractor to provide a typed list identifying all zones and sensors, including the sensor types and locations.

Instruct the Contractor to perform testing in accordance with Section 16950, and to provide the University Project Coordinator with test reports.