

Division 13 - Special Construction

Installation will be in accordance with Division 16000 - Revised October, 2004

13825 – SECURITY SYSTEMS –

TECHNICAL SPECIFICATIONS FOR THE EXISTING SECURITY SYSTEM ARE AVAILABLE IN THE LPS PROPERTY MANAGEMENT SERVICES DEPARTMENT.

In new Building and Addition construction projects, design and engineer security system(s) acceptably approved by LPS Property Management Services Department, before Construction Documents are finalized for bidding.

A – MOTION DETECTORS will be installed where designated by LPS Property Management Services Department, who also shall approve routing of conduit and wiring runs.

13860 - COMPUTER/COMMUNICATIONS SYSTEMS -

Communication systems will be defined for the purposes of this document as any voice, data, video, intercom and public address system. The term system will be defined as all of the components required for a fully functional communications system.

A – CONSTRUCTION REQUIREMENTS

01 – REMODELING AND NEW CONSTRUCTION PROJECTS.

A pre-construction meeting will be required with designated LPS I.T.S. personnel a minimum of 30 days before project commencement. The purpose of this meeting will be to review the project scope of work, identify potential effects on existing communication systems, and to appoint an LPS I.T.S. point of contact for the project. The LPS I.T.S. contact will work with project managers and building personnel to identify locations for new communication interfaces.

The designated LPS I.T.S. contact must be notified a minimum of ten working days prior to any demolition involving existing LPS facilities. LPS I.T.S. personnel will help identify potential disruptions to existing communications systems. Any communication system that needs to be disconnected due to new construction will be done under supervision of the LPS I.T.S. contact. Upon completion of any construction project requiring the disconnection of a communication system, reconnection of that communication system will also be done under supervision of the LPS I.T.S. contact.

The contractor will be solely responsible for replacing any communication system component(s) damaged as a result of that contractor's construction activities.

02 – COMMUNICATION INTERFACES

Communication interfaces will be defined for the purposes of this document as all of the components required to make a fully functional access point to a communications system.

A cable access system will be installed by the contractor for all communication interface access points. The cable access system will consist of a secured ¾" conduit located within a fixed partition extending from a minimum 4" above ceiling level to near floor level. A single or double gang electrical box will be installed on the lower end of the conduit. The height from finish floor elevation to the top of the electrical box will be a standard 16 or 48 inches, depending upon the application. (Note: Special applications may require the placement of the electrical box at non-standard heights.) The electrical box will be left open for cable termination, which will be accomplished by **LPS I.T.S.** personnel.

Electrical outlets will be installed by the contractor within a distance of 24" horizontally from all communication interface points used for data. The load requirements and number of outlets will depend on the application.

All horizontal conduit runs greater than 10'0" in length shall have pull-cords installed between access points, to facilitate cabling by **LPS I.T.S.**

Care shall be taken to ensure that all communication conduit and cable runs be kept separate from electrical power wiring and devices.

All work must conform to all applicable electrical, life safety and building codes and UL requirements.

All cable installation, termination, and testing will be performed by **LPS I.T.S.** personnel. Materials required will be funded out of the project construction cost budget.

B – DISTRIBUTION ROOMS

01 – ENVIRONMENTAL

The main distribution room and satellite distribution rooms shall be one-hour rated construction, with standard locksets on all doors. Air conditioning shall be such as will stabilize temperatures between 60 and 80 degrees Fahrenheit and humidity from 40 to 80 percent.

02 – ELECTRICAL REQUIREMENTS

Minimum requirement in each distribution room shall be two dedicated 120 volt, 20 amp circuits, each circuit to have a four-plex outlet.

03 – BACKBOARDS

Plywood backboards shall be mounted on the wall in each distribution room, sized as required for systems to be installed, but each shall be a minimum 3/4" x 4' x 4'. Backboards shall be painted to match walls.