

SECTION 16600 - SPECIAL SYSTEMS

PART I - GENERAL

1.01 DESCRIPTION

- A. Division 1, General Requirements, and Section 16050, Basic Electrical Materials and Methods, shall be considered a part of these specifications.
- B. Furnish and install, complete with all related items, the preparation rough-in wiring and partial installation for the following special systems:
 - 1. Ethernet
 - 2. Satellite
 - 3. Burglar alarm
 - 4. Closed circuit television (CCTV)
 - 5. Telephone
 - 6. Sound
- C. All work shall be done under the supervision of an accredited installation company in the low voltage systems specified.
- D. This contractor shall furnish all labor, materials, tools, and the necessary appurtenances to install the special system.
- E. For plenum ceiling installations, all appropriate requirements for raceways and cable of the authority having jurisdiction shall be met.
- F. Install the aforementioned special systems consisting of conduits, boxes, wiring, and equipment.
- G. Except where a conduit only system is specified, the system shall be completely wired (in conduit except where otherwise shown or specified) and operating, any items required to achieve this shall be provided whether or not they are specifically mentioned herein. Wiring shall be in accordance with the manufacturer's recommendations and/or wiring diagrams approved by Walgreen Co.
- H. Wherever conduit is required or used, it shall be concealed and outlets shall be flush except as otherwise directed. "Conduit only" system(s) shall have nylon fish wire for future installation of wiring.
- I. Tests where required shall be made in cooperation with the representatives of Walgreen Co. as directed. The contractor shall provide all labor and materials required for such tests.
- J. All wiring within pieces of equipment shall be point-to-point with appropriate terminal connections for every wire and component termination.

PART II - PRODUCTS (NOT USED)

PART III - EXECUTION

3.01 ETHERNET SYSTEM INSTALLATION

- A. Ethernet cables are furnished and installed by Walgreen Co. Contractor. For precautions, wiring methods, procedures, and pertinent information refer to the drawings. "The comlink" is a specialty cable referenced within the Ethernet system plans and details.

3.02 SATELLITE ANTENNA SYSTEM INSTALLATION

- A. The satellite antenna system, including all cables, interfacilities link (IFL), and other related cables to be furnished by Walgreens Co. and installed by the electric contractor.
- B. Final connections to all equipment shall be the responsibility of Walgreen Co.
- C. A.C. power and cable rough-in provisions shall be the responsibility of this contractor.

3.03 BURGLAR ALARM SYSTEM INSTALLATION

- A. Furnish and install cables to the Walgreen-furnished burglar alarm system.
- B. Final connections of the equipment and devices shall be the responsibility of Walgreen Co.
- C. For specifications of cable, refer to the criteria drawings. Cables shall be furnished as a landlord responsibility.

3.04 COVERT CLOSED CIRCUIT TV (CCTV) SYSTEM INSTALLATION

- A. Walgreens Contractor to furnish and install cable and connectors. For specification of cable, refer to the criteria drawings.
- B. Walgreens Contractor shall provide all final connections under the direction of Walgreen Co.

3.05 TELEPHONE SYSTEM INSTALLATION

- A. The furnishing and installing of telephone equipment and instruments shall be the responsibility of Walgreen Co.
- B. All public phones shall be provided with conduit and wiring from telephone equipment location to the telephone outlet.
- C. Provide 200 watt outlet (fed from panel LP-CR) located at the telephone equipment location.
- D. Coordinate with the local telephone company on installation, details, schedule, etc.
- E. Provide the conduit from the telephone equipment location to the property line for the utility company's incoming service lines.
- F. Walgreens Contractor shall furnish and install all telephone wiring. Provide a three (3) pair telephone cable from the telephone equipment location to each telephone outlet. For specification of telephone cable, refer to the criteria drawings.

3.06 SOUND SYSTEM INSTALLATION

- A. Sound system (music and paging) equipment shall be furnished by Walgreens and installed by Walgreens contractor.
- B. Walgreens contractor shall furnish and install all sound system wiring. For specification of sound system wiring, refer to the criteria drawings.
- C. For designs involving plenum ceilings, conduit and back boxes are required.

END OF SECTION