

SECTION 16760

INTERCOMMUNICATION EQUIPMENT

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish and install a complete intercommunication system between the nurses station, reception, front entry and supplies delivery door.
- B. This work includes a master stations, door stations, transformer, conduit and wiring as illustrated on the accompanying drawings and hereinafter specified.

1.02 REFERENCE DOCUMENTS

- A. The Special Provisions for electrical work are hereby made a part of this Section of the Work. Refer to Section 16010.

1.03 SUBMITTALS

- A. Submit complete manufacturer's specification data on the complete system and each type of material to be used.

PART 2 - PRODUCTS

2.01 MASTER STATION, NURSES STATION AND RECEPTION ROOM

- A. Aiphone Cat. No. LEF-3 master station wall mounted reception room and desk mounted at Nurse's station, 12-16 V.A.C. for private intercom consisting of hand instrument, voice and tone volume control.
- B. Curbell Electronics, Executone Model 3307-002G Nurse's call with light at nocturnal beds.

2.02 DOOR STATION

- A. Aiphone Cat. No. LE-D audio door station surface mounted with stainless steel cover at delivery door. Consists of 2-way communicator with call button. After master replies to the call of the door station, talk is hands-free. When master hangs up, door station resets automatically.
- B. Aiphone Cat. No. LE-DA audio door station flush mounted with stainless steel cover at front entry. Consists of 2-way communicator with call button. After master replies to the call of the door station, talk is hands-free. When master hangs up, door station resets automatically.

2.03 CONTROL POWER TRANSFORMER

- A. Aiphone Cat. No. PS-12 Power Transformer 120/12-16 V.A.C., 60 HZ.

2.04 COMMUNICATION CABLE

- A. Cable shall be multi-conductor cable with an overall shield, non-twisted, 18 AWG solid copper.
 - 1. Three conductor cable between LE-D, or LE-DA and LEF-3, equal to Aiphone Model # 82180325.
 - 2. Nine conductor cable between LEF-3 and LEF-3, equal to Aiphone Model # 82181025.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Wall mount master station at 34 inches above finished floor where shown on the plans. Mount base level and plumb with wall.
- B. Desk mounted master station per Architectural Details.
- C. Flush mount door unit in recessed outlet box at 52 inches above finished grade.
- D. Surface mount door unit to be mounted at 52 inches above finished grade.
- E. Install control transformer at panel board. Extend wire in metal conduit, concealed above the lay-in ceiling or down hollow cavity walls. Conduit run under slab to be scheduled 40 PVC conduits.

END OF SECTION