

## SECTION 28 41 13- PUBLIC ADDRESS SYSTEMS

### PART 1 - GENERAL

#### 1.1 GENERAL

- A. The electrical subcontractor shall furnish and install a complete local & main public address system(s) with all necessary apparatus and equipment required to insure on completion a system of broadcast quality in excellent working order as specified herein.
- B. It is the responsibility of the electrical subcontractor to supply a working over-all system. The system and equipment shall be as designed and distributed by: Signet Electronic Systems Inc, HCC Group, Norwell, Mass (781) 871-5888, Fax (781) 871-4757
- C. Any additional equipment needed in order to meet the requirements stated herein, even if not mentioned specifically herein or on the drawings, shall be supplied by the electrical subcontractor without claim for additional payment.
- D. The electrical subcontractor shall note that the requirement of the specified equipment manufacturer establishes intent for standardization on the part of the owner. Also this system involves in its scope balancing and interfacing with the hospital's existing public address loudspeakers.
- E. All materials and equipment shall be new and shall conform to applicable provisions of the American National Standards Institute.
- F. Certain items of equipment are specified by manufacturer's type numbers, to indicate the quality of and functional performance required of the system and its components.
- G. The successful bidder shall submit to the architect written proof that an authorized factory franchised dealer shall furnish the products specified and supervise their installation. This shall be in the form of a letter from the manufacturers concerned stating that the dealer is a fully accredited outlet for their products and is authorized to administer their warranty policies. Letter shall accompany submittals.
- H. Shop drawings shall contain block diagrams indicating the proposed connections of all equipment to be furnished, drawings of loudspeaker mounting arrangements, control facilities, equipment racks and cuts on all equipment to be furnished. These drawings must be approved by the architect before the installation.
- I. Supply all racks, furniture, conduit, and wire, required for the installation and needed to provide a completed usable sound system to the extent that such items are not specifically included elsewhere in the building specifications.

- J. Take such precautions as are necessary to prevent and guard against electro-magnetic and electro-static hum; to supply adequate ventilation; to install the equipment so as to provide reasonable safety for the operator.
- K. The system shall be capable of and include all components as required to provide paging from either microphone or telephone system interface.
- L. It shall be the responsibility of the electrical subcontractor to cooperate with other trades in order to achieve well coordinated progress and satisfactory final results. They shall watch for conflicts with work of other subcontractors on the job and execute, without claim for extra payment, moderate moves or changes as are necessary to accommodate other equipment or preserve symmetry and pleasing appearance.

## PART 2 - EQUIPMENT

### 2.1 Description

- A. Provide all electronic material and labor for a complete Local public address system with Rauland Responder 4000 Nurses Call integration, electronic access from the hospital telephone system. Local paging access shall be through nurses call master station, and hospital telephone system.
- B. The local departmental power amplifier type shall be TOA A706; Provide (1) per floor which is fitted with loud-speakers, non medical common areas on floors shall be powered by a separate amplifier.
- C. Ceiling speakers shall be Rauland ACC1403 w/integral volume control, white round grille.
- D. Furnish with Rauland ACC1101 Back Box, and ACC1109 Tile Supports.

END OF SECTION