

SECTION 27 51 13 – PAGING SYSTEM

PART 1 GENERAL

1.1 DESCRIPTION

- A. The contractor shall furnish and install a public address system as specified herein and indicated on the drawings.

1.2 QUALITY ASSURANCE

- A. All equipment shall be listed by the Underwriters' Laboratories or other state approved testing agency.
- B. All material and equipment shall be the latest standard products of a manufacturer regularly engaged in the manufacture of the products.
- C. Equipment submitted for approval to bid shall be represented by a firm with a local service organization, factory trained and certified.

1.3 SUBMITTAL AND RECORD DOCUMENTATION

- A. In addition to the items outlined in Section 27 01 00, include the following:
 - 1. Shop drawings shall include complete wiring and schematic diagrams for equipment furnished, equipment layout and other details.
 - 2. Product data for system components: Include dimensioned plans and elevations showing minimum clearances and installed features and devices.
 - 3. Include performance field test reports with operation and maintenance manuals.

PART 2 PRODUCTS

2.1 SPEAKER

- A. The loudspeaker shall be furnished and installed as indicated on the plans. The loudspeaker shall be eight inch, seamless cone type with an additional cone mounted in the apex of the large cone to extend the high frequency response.

- B. Approved Manufacturers: Valcom V-1020C

2.2 PAGING CONTROLLER

- A. Integrated six zone paging control unit

- B. Approved Manufacturer: Valcom V-2006AHF

2.3 STATEMENT

- A. Contractor shall also supply all components not specifically mentioned above for a fully functioning code-worthy system. Components shall be from same manufacturer as manufacturer of major components specified above or approved.

- B. Approved Manufacturer: As listed on plans

PART 3 EXECUTION

3.1 INSTALLATION

- A. The contractor shall install the entire system per the supplier or manufacturer's instructions.

- B. The contractor shall include in the basic bid all installation charges rendered by the supplier.

- C. All wiring shall be installed in a conduit raceway system complying with Section 270530 of this specification.

- D. Securely mount speakers to the structure with at least two fasteners to prevent turning.

3.2 TESTING

- A. The contractor shall notify the owner 30 days before the performance and acceptance tests are to be conducted. A factory trained representative of the manufacturer shall supervise the final testing of the system and it shall be subject to the approval and acceptance of the Owner.

- B. Prior to final observation, test, clean and calibrate the entire system.

- C. The contractor shall furnish all instruments and personnel required for the tests. Tests shall be conducted for the following:

1. Verify that the system is free from shorts or open circuits.
2. Verify that all microphones, amplifiers, mixers, feedback eliminators, speakers, etc. are functioning as specified.
3. Reconduct to verify correction of any defect found in the initial testing.

3.3 GUARANTEE

- A. The contractor shall guarantee all equipment and wiring free from inherent mechanical or electrical defects for one year from date of Owner acceptance.

3.4 INSTRUCTIONS

- A. After the system is complete and all tests are made, the system manufacturer's representative shall instruct the Owner's operating personnel as to the system operation and minor servicing. This period of instruction is not less than 4 hours.
- B. The operating personnel shall be shown the location of each item of equipment installed including mixer/amplifier, speakers, microphone jacks, etc.

END OF SECTION 27 51 13