

(a) **Annunciators.** Annunciators shall be of the lamp type, so arranged and connected as to provide a visible signal for each zone or area from which a fire alarm signal originates. For the purpose of this Article in determining the number of annunciator signal lamps, a zone or area shall consist of approximately 10,000 square feet and there shall be not less than one annunciator lamp for each floor of a multi-story building. Where two or more buildings are covered by one local fire alarm system, an annunciator shall be installed in each building, together with a pilot signal lamp on each annunciator to indicate in which building the alarm originates. The annunciator location shall be adjacent to the main entrance to the building, or adjacent to the telephone switchboard, or as directed by the Fire Marshal.

(b) **Bells.** Bells shall be of an approved type and conform to the provisions of the Section designated as "Bells, Horns, or Gongs."

(c) **Number on a circuit.** Bells shall be connected in multiple with not more than twelve on a circuit.

83-45. Coded systems.

The code ringing type of local fire alarm system shall be such that all alarm circuits, striking station circuits, instruments, and apparatus, are constantly under electrical supervision so arranged that failure of any circuit of the system or failure of operating current will be automatically indicated by approved disarrangement signal devices giving a visual and audible signal.

(a) **Type.** Coded systems shall be of the approved closed circuit type, electrically supervised and equipped with an approved punch register.

(b) **Bells.** Bells shall conform to the provisions of the Section designated as "Bells, Horns, or Gongs."

(c) **Number on a circuit.** Alarm bells used with an electrically supervised code ringing system shall have not more than 14 bells on direct current, or 10 bells on alternating current, connected in series on a loop from the control panel. The circuits from the control panel shall be so arranged that no load on any branch circuit shall exceed 12 amperes.

(d) **Operation in buildings used for sleeping.** In buildings used for sleeping purposes, except hospitals, such a system shall be so arranged that after sounding not less than four rounds of the code, within a period of not over twenty seconds, thereafter, the bells will ring continuously until purposely silenced.

(e) **Control panel.** Each coded fire alarm system shall be equipped with a control panel expressly designed and approved for the operation and supervision of the system with which it is to be