

Division 28 | Electronic Safety and Security

Section includes various guidelines for electronic safety and security, access control and fire detection and alarm.

This design guideline is written to the designer of record (DOR). This guideline is written to document UA standards of work, assist the designers in ensuring UA standards are incorporated into the contract documents and provide a resource to facilitate the design process. It is the designer of record's responsibility to coordinate the criteria set forth in design guideline and in conjunction with the manufacturer requirements and use the most stringent standard.

Section 28 00 00 – Electronic Safety and Security

A. General

1. Buildings shall have communication systems installed where required by code (all buildings with elevators shall have communications systems).
2. Installations shall comply with IBC and with ADA requirements for accessible height, reach, and clear floor area.
3. Power and communications circuiting shall be routed entirely in conduit.
4. Systems shall be provided with emergency power through a generator, if present. If no generator is present, battery backup shall be provided in a readily accessible location.
5. Systems shall accommodate analog or VOIP telephone communications, as required.
6. Video camera coverage shall be provided at each call station.

B. Functional Requirements

1. All communications systems shall provide two-way visual and voice communication between each call station and a base station, as well as with the designated outside call center through telephone connectivity.
2. When activated, each call station shall be immediately connected to the outside telephone line through the base station.
3. One dedicated telephone line shall be connected to the base station. The system shall be programmed to dial UAPD at 348-5454. The Building name shall be programmed into caller ID for this line by UA-OIT.
4. Each time a call station is activated, it shall initially play a short, pre-recorded message indicating the specific location of the call station within the building. The call station microphone shall be disabled while this message is being played. This message should be kept as short as possible. As the building will be identified through caller ID, the message should indicate only the location within the building (example: "Northeast stairwell, 3rd floor"). A list of specific messages shall be submitted for approval.



C. Call Stations

1. Call stations shall be vandal resistant construction, flush mounted with brushed stainless steel face.
2. Call stations shall be provided with the following:
 - A. Push button for activation/communication.
 - B. Push button illumination or status LED(s) for visual call indication.
 - C. Integral speaker with perforated front cover for voice communication.
 - D. Auxiliary form "C" dry contact (2 amp, 24 volt) for camera activation.

D. Base Station

1. All Base Station components shall be contained in a flush mounted enclosure with brushed stainless steel hinged door, installed adjacent to the fire alarm annunciator panel.
2. The base station shall utilize a cord connected handset for on-site communication with call stations.

E. Instructional Signage

1. Instructions shall be posted at each call station indicating the use of the Area of Rescue Assistance under emergency conditions. These instructions shall include the following:
 - A. Directions to find other means of egress.
 - B. Persons able to use the exit stairway shall do so as soon as possible, unless they are assisting others.
 - C. Information on planned availability of assistance in the use of stairs or supervised operation of elevators and how to summon such assistance.
 - D. Directions for use of the emergency Communications System.

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