

Public Safety

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.

A. Blue Light Emergency Phones

1. Blue Phones are to be provided and installed by UA. Contractor to prepare area for installation. The new Ramtel Blue Phones have two LED modules on top. When a call is initiated, one of the modules flashes until the call is ended. Note: only the dispatcher can terminate a call.
2. Blue Phones are available in two voltages and Electrical Engineer shall clearly indicate voltage to be used. UAPD to determine location and quantity of Blue Phones. See details in the Design Guidelines Section IV Standard Drawings. Refer to Section V Photographs of typical Blue Phone Installation. UAPD to determine what accessories may be needed.
3. The blue phones shall meet the following specifications:
 - a. **Stainless Steel Columns** (Column includes a built-in LED High Powered Area, strobe light, and light over phone panel)
 - **Ramtel Model PLC-8:**
11" square with radius corners
Powder Coated in Safety Blue with White "Emergency" Lettering
Drill & Plug for future optional camera bracket.
 - "J" bolts and template (500-1179)
 - **Options:**
Camera Mount Bracket (800-1127)
Powder Coated in Safety Blue to match column
227V step down transformer installed in column
 - b. **One Button Phone Model**
 - RR733 (installed in column) Special Drilling Button on left
 - Custom Silk screened Phone Panels, 2 colors
 - **Phone Options:**
Surge Arrestor (800-1018)
 - **NOTE:** Back boxes are included with phones to protect electronics from moisture and condensation

B. Security Booths

1. The Designer shall verify with UA Project Manager and Director of Security Resources to determine the need, and location of the pre-engineered Security Booth. See Section IV for Standard Drawings for Designers information. Refer to Section V photographs of typical Security Booth installation.



C. Campus PA System and Fire Alarm

1. All buildings and projects shall be provided with a Campus PA System which shall be provided through the fire alarm system. Designer shall edit the specifications for new construction and contact the UA Office of Emergency Preparedness for detailed info.

D. Automated External Defibrillator (AED)

1. The Designer shall contact UA's Office of Environmental Health and Safety (EHS) for quantity requirements and locations of AED units.
2. Current AED unit required is the Cardiac Science Powerheart AED G3 Plus (manufacturer part number 1195077). The unit includes a carrying case with a small utility bag (scissors, shave kit, etc.) and no external power is required. [\[WEB LINK \]](#)
3. AED units are to be housed in wall cabinets for protection and placed in visible locations for rescuers. AED wall cabinets are to be fully recessed when possible, comply with all ADA requirements and come with an audible alarm.

** The Americans with Disabilities Act requires that the object not protrude more than 4 inches into foot traffic areas of open aisles and walkways unless the object's bottom edge is no higher than 27 inches from the ground.*

This link shows a fully recessed alarm cabinet: [\[WEB LINK \]](#)

Note: We do not want a unit with a red light on top or on the side of the cabinet like the surface mounts have.

E. Storm Shelter Areas

1. All new construction shall be reviewed by UA and the Office of Emergency Preparedness for appropriate areas to locate storm shelter suitable to accommodate the occupancy capacity of the building.
2. Preferred locations are areas isolated by interior walls (i.e. corridors, lecture halls, etc.) and isolated from possibility of wind and debris.

F. Lockable Handhole Covers

1. All handholes that contain wiring for the campus network should have lockable covers.
2. There may be other handholes on campus that are required to have lockable covers, in which case the designer shall consult with the UA project manager to verify if a lockable cover is needed.
3. All handholes that are required to be locked should use the LockDown, Inc. LockOut Security Device. [\[WEB LINK \]](#)

G. Security Lock Boxes

1. All new fraternity and sorority house on the UA campus are required to have a security lock box ("Knox Box") for reliable and secure fire department access to buildings.

H. Digital Signage

1. All new construction or major renovations shall include digital signage.
2. Signage shall be installed landscape and not portrait orientation.
3. "VISIX" Digital Signage Software is the current UA Standard.
4. These signs are also used as a secondary means of notification in case of emergency. If building has the capacity, it is ideal for signs to be on backup generator.
5. Every sign gets a minimum of one 15 amp power outlet and two network drops.
6. Two outlet boxes with one ¾" conduit from each box to an accessible ceiling area will be required.
7. Blocking shall be provided in walls to accommodate weight of signage.
8. Wood blocking is preferred.
9. Non-interactive signage is to be placed high enough to be visible above heads (92" center if space allows).
10. Interactive signage must be installed to meet current ADA Standards.
11. Touch screen units are deeper than allowable by code so a recessed application or other accommodations must be made.
12. Good visibility of signage is ideal, so keep this in mind while designing entries.
13. Designer shall contact UA's Audio Video Solutions department for location & quantity if signage.

I. Generators

1. If the building doesn't currently call for a generator, prewire to access portable generator. All residence halls need to require a generator. Coordinate with UA to determine what systems are to be served by emergency power. At a minimum, fire alarm systems and egress lighting shall be included. See UA's design guideline for Facility Electrical Power Generating and Storing Equipment for more detailed requirements.

J. UAPD Communication Repeater

1. Designer shall contact UA and UAPD Radio System Administer for implementation of a communication repeater in new construction and renovations.

K. Intrusion Detection Systems

1. Project will be evaluated for integration of an intrusion system by access control. If it is determined to implement an intrusion system, the Designer will incorporate conduit and power supply as needed. The intrusion system will be provided by the University of Alabama.

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