

Division 28 – ElectronET1 u2u ST51 1ty a1 u2und 1(8tronET1 u2u ST51 1ty a1 u20u6i)1 1ty a@107Div0 0 0174 .65997 ref Tm0 g5-.000

s and facilities; and to provide protection from

ted and/or controlled areas of the University by

or controlled areas.

l working hours to campus facilities.

ergency Management Shelters in Place and Secure in

- ix. Show in plan any areas that have been identified by the building user as high value areas and places where students sit and hang out.
 - x. Identify other campus buildings that are paired or associated with the facility under design by the nature of their function. Map out pedestrian traffic between such buildings to understand if and when students and faculty will be going between buildings and how this might impact after hour's card access and accessible paths.
 - xi. Identify access points that are key management issues versus a means of intrusion detection.
 - xii. Discuss with the building users any issues associated with privacy and faculty student interactions that might prompt additional EAC or security measures.
 - d. During the preliminary design phase the A/E will hold a follow up meeting with representatives from Public Safety, ITS and building users to review in detail the security measures in place for the building.
- C28.4 Access Control** (Computer controlled, with interface to other facility management systems)
- a. All exterior entrances shall be programmed to unlock and will have an electric latch, DPS, and a REX.
 - b. All Primary entrance doors shall have CAC. CAC shall consist of, at minimum, door positioning switches, electric latch control, request to exit device and a card reader. If more than one door is installed at a single entrance, only one door will require card access control. The remaining door(s) shall be required to have electric latch, request to exit device and door positioning switches.
 - c. CAC will be provided at the exterior door when doors in sequence exist such as vestibules, except at Residence Halls where the interior door at vestibules will be the CAC door.
 - d. All accessible entry doors shall receive auto operators and will also be equipped with card access control. Actuators shall not be set to operate both doors in parallel. Provide a second actuator device inside the vestibule to actuate the second door in the series. The auto operator system shall be tied in with the EAC to prevent the auto operator from engaging when the door is locked. Consider how a wheelchair bound individual will access the devices and be clear of the door swings. Vestibule depths should be at a minimum of 8' between doors to accommodate the larger motorized wheelchairs.
 - e. Provide at least two (2) after-hours access locations. Review and confirm with the building users the designated after-hours access locations at the conclusion of schematic design. Provide CAC, electric latch, DPS, REX and card reader at these locations.
 - f. All exterior emergency egress "exit only" doors will remain locked at all times and be equipped with DPS and horn. Exterior exit only doors will not have any hardware on the exterior except a cylinder. The intent is to discourage use of these doors for entry into the building. In Residence Halls, provide CAC at exterior egress only doors, access will be restricted to faculty and staff only.
 - g. All other exterior "exit only" doors will remain locked at all times and be equipped with DPS, Horn and REX. These doors will not have any hardware on the exterior except a cylinder.
 - h. When possible mechanical and electrical rooms shall not be accessed directly from the exterior.
 - i. Data/Communications/IT rooms shall not have any other access doors or roof hatches leading to or from the room.
 - j. Fire pump rooms and Fire System Control Rooms shall be accessed directly from the exterior without EAC.
 - k. All Communication rooms shall be equipped with CAC with Function 70 capabilities.
 - l. No offline locks.
 - m. No push button combination locksets or similar types on exterior doors.

- n. No magnetic locks.
- o. All electronic locks shall fail secure.
- p. All doors with electronic access shall have free egress at ALL times.
- q. No dogging options on exterior doors.
- r. For research facilities security measures should receive special consideration. Chemical, biological and radiological areas will be designed to federal research facility requirements.
- s. In Residence Halls, CAC will be installed at each entrance. CAC is required between public area of the building and residential areas. Elevators that provide access from the public lobby to residential floors shall have CAC as will doors leading from public lobbies to residential spaces on the same floor. The use of CAC at student room entry doors should be evaluated early in the project for budget feasibility.
- t. Classroom, Lecture Halls and other teaching spaces shall be equipped with CAC. In teaching spaces under 50 occupants provide a locking device that meets ANSI F110 Intruder/Classroom locking function xim2c-9.7(.. (s).2, c6.. (s).21nsecure2t41.6 TCAC Tc[(F)-3.xtsac)-7.7(levc)-)14.3(i)1.9(1)-9.76.8(lkture(y;n)1.4t4.

e.

C28.7 Planning for the Future

- a. Buildings are designed to exist for 40 plus years. As such it is important to anticipate changes and provide the cost effective infrastructure where possible for the future.