

NC State University Design and Construction Guidelines

Division 00 Planning & Design – Security

1.0 Purpose

- A. The following guideline addresses security concerns and requirements for university buildings, facilities, and grounds. Security management may include card access, closed circuit television, 2-way communication, intrusion/duress.

2.0 General Requirements

- A. Design Concerns
 1. Actual security installation is provided by NC State; building infrastructure to support security systems is provided within the project.
 2. Provide clear border definition of controlled spaces to clearly identify public, private, and semi-private spaces. Design shall accommodate compartmentalization of public and private spaces so that layers of security are created which can be secured and maintained independently.
 3. Site development and building design must maximize natural surveillance and minimize concealment opportunities. Fencing, loading docks, service areas, landscaping, and site furnishings are particular areas of concern. Security measures must also be considered in conjunction with the university Physical Master Plan.
 4. Buildings must have a lobby that could accommodate a security checkpoint. Lobby areas should have a clear line of sight to elevators, lobby restrooms, stair access, and primary building entry .
 5. Interior elevators and stairwells must be securable .
 6. The quantity and location of openings penetrating a security perimeter (fence, building envelope, secure lab or office suite) must be minimized. Increased security may be required at these points .
 7. The primary building entry must be readily identifiable from roads, parking, and pedestrian pathways .
- B. Facility Security Level
 1. The Facility Security Level is an index that associates minimum security counter measures with facility or area types. It is used in conjunction with the security measures spreadsheet. It is currently in development.