

Last Update: July 1, 2009

A. Security:

1. At Purdue, we require all new buildings to be designed using the CPTED (Crime Prevention through Environmental Design) guidelines. At some point in the design review process, campus safety and security officers will participate in a design review and will ask for specific locations where you gave consideration to CPTED principles.
2. Even when these principles are followed, there are specific requirements and limitations that need to be kept in mind when designing projects at Purdue University. Descriptions of these specific items can be found in the following sections.

B. Women's Restroom Location:

1. We will look carefully at the locations you have chosen for women's restrooms. For example; restrooms should not be placed at the end of blind hallways or too near areas (i.e. telephone stations) where stalkers can monitor the entrance with apparent innocence.

C. Parking Lot Line of Sights:

1. Parking lots must be placed so as to have unobstructed viewing of the area around parked cars. Similarly, the lots must be in sight of public areas or windows.

D. Security Alarms:

1. A problem we have experienced is a lack of coordination in security alarm systems. Any new alarm must be chosen and designed carefully with respect to maintenance, interaction with existing systems, alarming location, etc. Work closely with the Project Manager when designing security alarms.

E. Roof Safety:

1. Provide OSHA approved fall protection per 29 CFR 1926.500 through 503 at all roofs that do not have parapets or guardrails of 42" height. This is to include OSHA code compliant anchorages on the roof designed to 5000 pounds minimum capacity per person. Anchorages and all other components are to be part of a comprehensively designed/engineered fall protection system(s). Indelibly mark the capacity of each anchorage on the anchorage. Hyperlink reference: http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10756
2. Provide fall protection (i.e. railings, toe-boards, etc.) at catwalks and other work platforms via the most appropriate combination of anchorage.
3. Provide appropriate fixed and protected means of access to all roofs. Fixed ladders greater than 20' must have fall protection device with post up dismount section to extend up through hatchways or roof edge to allow the climber to safely dismount by rotating from the ladder safety device onto the roof and to mount the ladder safety device safely while standing on the roof.
4. All items or equipment that must be located on the roof of a building must be positioned to be at least nine feet from the edge of the roof.

F. Walking Surfaces:

1. Provide slip resistant walking surfaces at building entrances. Walk-off mats may or may not satisfy this requirement.
2. Stair treads shall have slip resistant treatment.

G. Guard Rails:

1. All pedestrian guardrails in areas of public access shall have a vertical baluster arrangement spaced at 4"o.c. Guardrails arranged with all horizontal members creating a "ladder effect" will not be acceptable.

H. Elevators:

1. Elevators will be equipped with an Adams Switch for the fire service key.

I. Fire Hydrant Security Device:

1. All new hydrants must have a locking security device to prevent unauthorized use. These will be purchased as a project line item and supplied by Purdue.
2. Gate valves in fire protection systems are to be epoxy coated resilient seated.
3. Post indicator valves are preferred but in the event that the water service is under a parking lot or other similar obstruction then an exterior valve box with appropriate interior equipment is acceptable.