

## CPTED Best Practices

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**Abstract:** Crime Prevention Through Environmental Design (CPTED) involves the use of approaches to increase the level of physical security since they limit criminal access and promote sociability. The key practice includes natural surveillance such as fencing, lighting, and landscaping of the area, territorial reinforcement including clear boundaries and space appearance including locked doors and other access control features and security systems and monitored entry. In addition to the above factors, another key attribute combines to enhance security and reduce chances of vulnerability, proper design and maintenance as well as community engagement.

**Keywords:** CPTED, surveillance, blind corners, vulnerability

### Introduction

CPTED entailed the formulation utility of key strategies in the right manner of the key aim of ensuring high level security of physical environment. It is involved in suggesting that the identified design regarding building as well as landscaping and even outdoor environment can either encourage or even discourage crime (Barth, 2020). It is associated with attempting to reduce crime as well as the fear of any crime via the reduction of criminal opportunity and developing positive social interactions among the identified users of space.

### Natural Surveillance

Criminals do not want to be noted in any way. To effectively defend the property, there is need to perceive any kind of illegal acts happening. Placing physical elements as well as individuals in the manner that enhances the capability to perceive what is happening discourages crime. The following are best practices for enhancing natural surveillance:

Designing Effective Fences is key to successful surveillance. Effective fences are vital in the maximization of natural surveillance from the street to the building and vice versa. It is vital in reducing opportunities for the intruders to hide (Barth, 2020).

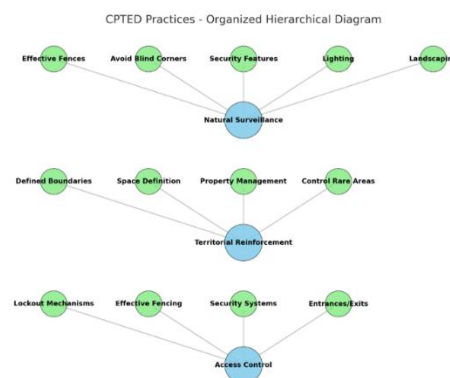
This means that people can see what others are doing. It also means that intruders keep off.

This is good in acting as a deterrence method for successful physical security.

### Avoidance of Blind Corners

Blind corners are not a rare sight. They happen to be in some places. This is the key reason why it is vital to identify these key blind corner areas.

Through identification of the blind corners, it is possible to avoid them. Alternative routes can be used to avoid the blind corners. The blind corners can be in pathways as well as stairwells and car parks (Fennelly & Crowe, 2014). A way of showcasing them for a quick illustration.



### **Installation of Security features**

Installation of security elements on buildings and physical environment is key to enhancing security. This can take place in different ways. There is the need for a professional to be hired to do it for enhanced success.

Security features can be useful in offering reinforcement of the natural surveillance. There is the need to consider the installation of security grilles as well as shutters and even doors. All these need to allow natural observation regarding the street.

### **Effective Lighting**

It is evident that most of the security issues happen on the dark areas. This makes lighting to be a key aspect in security. It helps in prevention of crime.

Effective lighting helps in scaring off criminals. It is vital to install effective lighting in the identified public places which do not produce glare or even dark shadows. This is the best lighting for security purposes (Crews, 2019).

### **Effective Landscaping**

Appropriate landscaping is key for successful natural surveillance. It offers security opportunity for the natural and even technical surveillance. It helps in the reduction of the attractiveness regarding the crime targets.

Effective landscaping means effective surveillance. This is key in the prevention of people from committing crimes. The landscaping need not to obstruct any kind of natural surveillance.

### **Territorial Reinforcement**

Territoriality is defined the desire of an individual to secure their territory. This is dependent on the investment of an individual. The following are some of the most effective practices for territorial reinforcement:

#### **Well Defined Boundaries**

Boundaries are territories that define where and where to not bypass. It is vital to have well defined boundaries. This helps keep people out of the unauthorized places (Fennelly & Crowe, 2014).

It is key to ensure there is distinct transitions between the identified public and the identified private regions. It helps to ensure that the private aspects are secured. This also helps to reinforce security for private aspects.

### **Definition of Spaces**

It is important to have comprehensive definition of spaces. This helps in making other people understand the difference between different types of spaces. This is a good way to avoid any unintended security issues.

Comprehensive definition of spaces is key in the expression of a sense of ownership. People will be afraid to meddle with what does not belong to them. It is also key in minimizing illegal use and entry.

### **Designing Effective Fences**

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### **Effective Property Safety Management**

When people realize that there is effectiveness in how one's property is kept, they tend to respect that. It is vital to ensure efficiency in property management. It helps in people respecting that given space.

Each time an individual thinks about territorial reinforcement, it is key to analyze the property appearance. Unkempt appearance can cause security issues. People may easily trespass such a property.

### **Control of the Rarely Used Spaces**

It is vital to ensure that there is adequate control of any parts regarding the property. It is evident that there are some parts of the property that may be seldom used. This can cause security issues.

Control of such areas means regular monitoring. Regular monitoring helps in ensuring that there are no loopholes for territorial security. It also prevents people from loitering.

### **Access Control**

Access control is used in denying or even in the restriction of any kind of access to the given crime target. It is vital in the increment of the perceived risks associated with the offender. The following are some of the best practices:

### **Lockout doors and windows**

This is the most basic security feature for enhanced access control. It is key in ensuring that the indoors premises are not easily accessible to the intruders. It is key in ensuring the fundamental security step.

It is vital to ensure that all doors as well as windows of the house as well as vehicle are locked. In some of the rare cases, it is also vital to lock doors as well as windows for the office. Helps in maintaining access control for all areas (Crews, 2019).

### **Effective fencing, hedges, and walls**

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### **Installation of security systems**

This is vital in the commercial sites. This helps in ensuring that only the authorized people access the premises. It is a common security feature and should not be underrated.

Everyone that needs to accomplish access control needs to ensure that there are the security systems. This can be in places such as the entry barriers as well as the security guards. The use of ID cards is also key to security success (Fennelly & Crowe, 2014).

### **Entrances and Exits**

Entrances and Exits play a key role in access control and security of the same. If they are not in the right manner, then it means that access control is also compromised. It is often ignored but it essential (Crews, 2019).

It is vital to understand the number of entrances and Exits that are in place. This helps in understanding the security systems of the same. It is vital in ensuring that security is maintained in the best way possible.

### **Maintenance**

#### **Regular Security Reinforcement**

This is key in ensuring all the security features are in the right place. It is vital in the reinforcement of all boundaries and spaces. This is key to territorial reinforcement.

The more dilapidated and ignored an area is, the more it is highly likely to attract unwanted activities. This means that maintenance is key and can be attained by regular security reinforcement. It enhances key impact on the area targeting by unwanted people and activities (Crews, 2019).

### **Effective hedges and walls**

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### **Development of Identity as well as Image**

It is vital to advance identity as well as image. It helps in acting as an extension of the identified concept regarding social cohesion as well as general Sense of security. This is key in ensuring that everyone takes a part in maintenance of the security (Crews, 2019).

It is an effective approach for ensuring the community takes part in maintenance of security for the physical environment. It can assist in improving the image of the population. It also helps in the security image projection to other people.

### **Comprehensive Spatial Definitions**

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### **Effective Designing phase**

Maintenance as well as management need to be put into consideration at the design phase. This ensures that the aspect is considered from the very start which is key for success in security achievement. It helps in ensuring everything is in the right place.

Also, the selection of the materials as well the finishes have an impact on the kind of maintenance

Regimes. This is regarding the sustainability time. This makes this aspect key for physical security maintenance (Barth, 2020).

## References

- [1] J. Armitage, "Crime prevention through environmental design," *Journal of Architecture and Planning Research*, vol. 27, no. 2, pp. 91–110, 2010.
- [2] J. Cozens, G. Saville, and D. Hillier, "Crime prevention through environmental design (CPTED): A review and modern bibliographic analysis," *Journal of Urban Design*, vol. 10, no. 1, pp. 38–49, 2005.
- [3] C. Crowe, *Crime Prevention Through Environmental Design: Applications of Architectural Design and Space Management Concepts*, 2nd ed. Boston: Butterworth-Heinemann, 2013.
- [4] G. Crews, *Handbook of Research on School Violence in American K-12 Education*, Hershey, PA: IGI Global, 2019.
- [5] L. Fennelly and T. Crowe, *Crime Prevention Through Environmental Design: Applications for Architects, Designers, and Law Enforcement*, Saint Louis: Elsevier Science, 2014.
- [6] D. Barth, *Parks and Recreation System Planning: A New Approach for Creating Sustainable, Resilient Communities*. Washington, D.C.: Island Press, 2020.
- [7] P. Ekblom, "Designing products against crime," *Crime Prevention Studies*, vol. 10, pp. 53–69, 1999.