A close-up photograph of a person's hand, with the index finger pointing down towards a set of architectural blueprints. The blueprints show various lines, circles, and text, typical of a technical drawing.

# Criminal Prevention through Environmental Design

*Using design to discourage criminal acts and to encourage activity by legitimate users*

Presented by: Scott Raesler

A close-up photograph of a person's hand, with the index finger pointing towards the bottom left of the frame. The hand is resting on a document that appears to be a technical drawing or blueprint, with various lines and text visible. The background of the slide is a light blue gradient.

# Risk Management

Risk Management is a  
combination of  
*Criticality, Likelihood, Cost*

# Crime Triangle

In all cases, criminal activity is associated to three absolutes, namely:



A close-up photograph of a person's hand, with the index finger pointing down towards a set of architectural blueprints. The blueprints show various lines, circles, and text, including the word "ROUPE" and some numbers. The background is a solid light blue color.

# Mitigate the Opportunity

The one variable that can be influenced by the design and designation of a property is the ***opportunity*** to commit a crime.

# Security Principles

- Deter
- Detect
- Delay
- Respond

# Security Layers

- **Site perimeter**
- **Grounds**
- **Structure Perimeter**
- **Interior**
- **Designation of space**

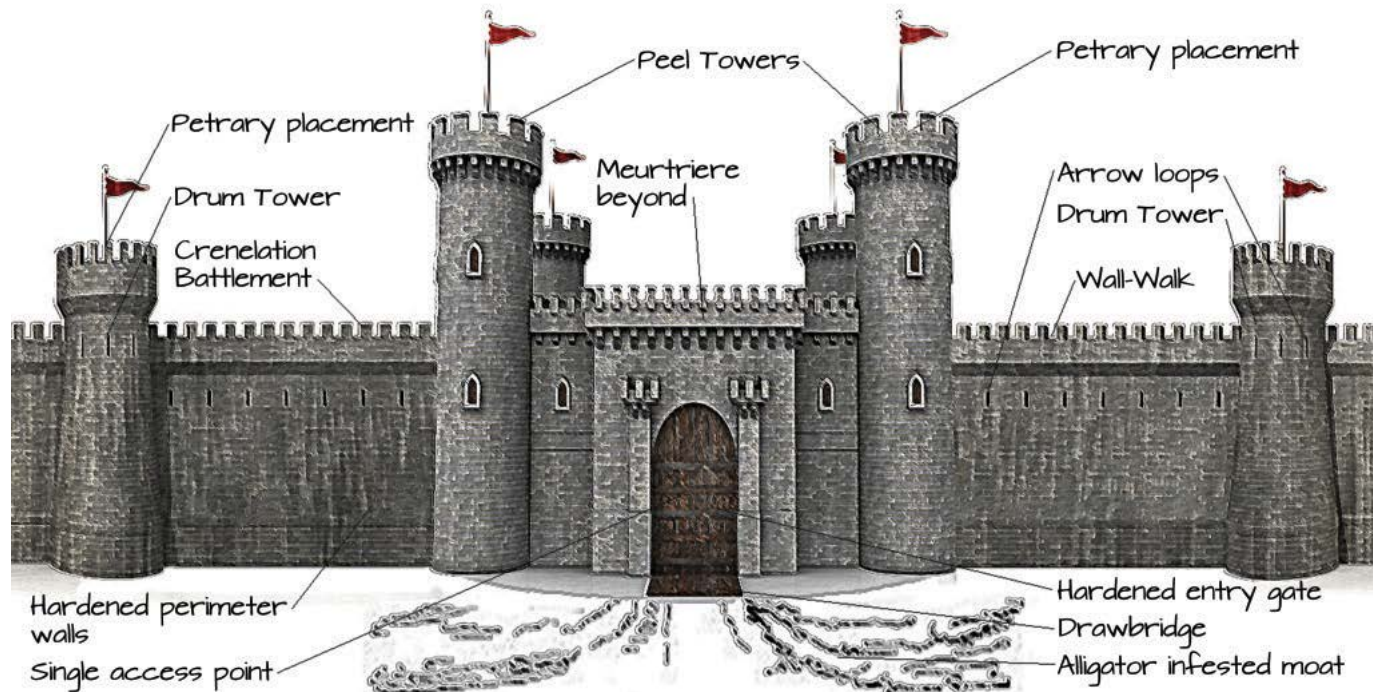
A hand is visible on the left side of the slide, pointing with the index finger towards the text. The hand is resting on a document that appears to be a blueprint or technical drawing, with some lines and text visible.

# Objective

**Privacy from the inside out**  
**Security from the outside in**



# Is Fortressing the only solution?



**FORTRESSING OR CPTED?**



# Criminal Prevention Through Environmental Design (CPTED)


- Emerged out of research on the relationship between crime and place
- Deters crime through designing a physical environment that positively influences human behavior.
- Is an approach to problem solving that considers environmental conditions and the opportunities they offer for crime or other unintended and undesirable behaviors.

A close-up photograph of a person's hand, with the index finger pointing towards the list of benefits. The hand is resting on a set of architectural blueprints, which are visible in the lower-left corner of the slide.

# Potential CPTED benefits include:

- Productive use of space
- Improved function and/or profit
- Reduced exposure to fear, crime, loss and liability
- Partnerships and problem solving
- Improved quality of life, and
- Major cost savings.

# How to examine a site through a CPTED lens

- 
- A hand is visible on the left side of the slide, pointing with the index finger towards the list of questions. The hand is resting on a document that appears to be a site plan or map, with some lines and text visible underneath.
- What is the **problem** or task?
  - What is the **designation** of the existing/proposed site?
    - Park space/public green space
    - Mixed-use residential/commercial
    - Industrial
  - What are the spatial **borders** of the space?
  - What is the current **design** utilized by the space?

# Crime Prevention Through Environmental Design - Principles

Surveillance

Sight Lines

Lighting

Territoriality

Maintenance

Legitimate Activity Support

Movement Predictors

Landscaping

Target Hardening

Access Control



# Natural Surveillance



# Natural Surveillance





# Natural Surveillance

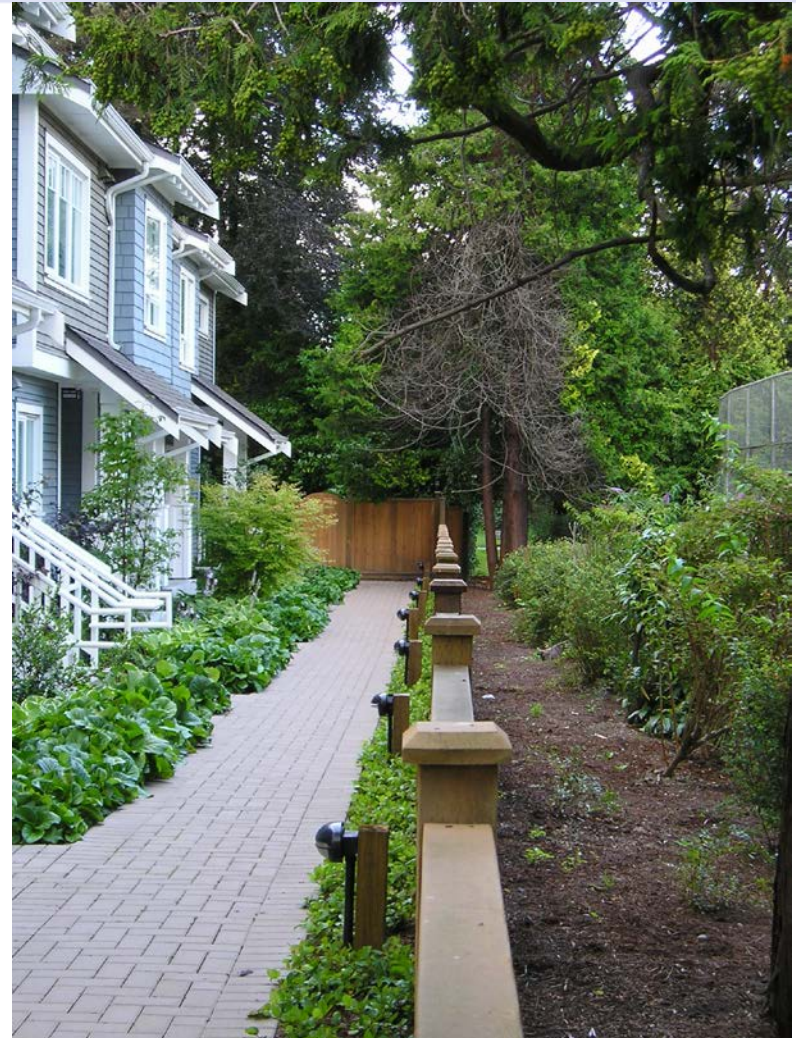


# Natural Surveillance



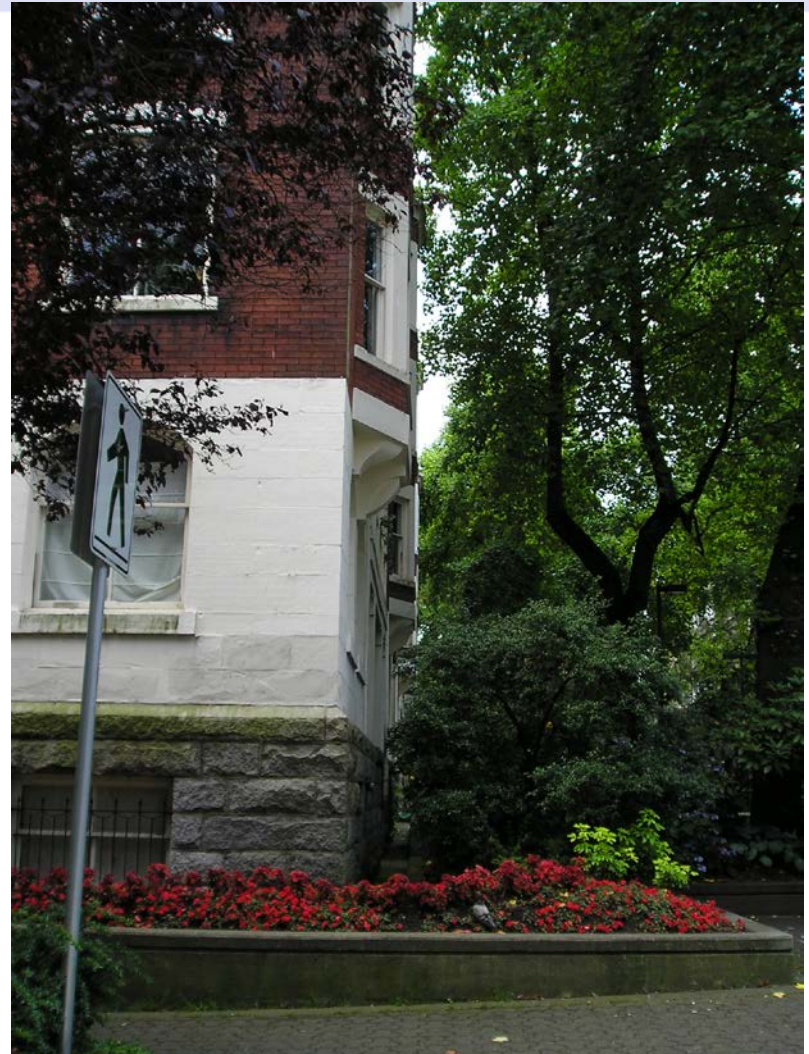


# Landscaping





# Landscaping - Poor





# Territoriality, Ownership and Hierarchy of Space



# Territoriality, Ownership and Hierarchy of Space





# Territoriality, Ownership and Hierarchy of Space



# Territoriality, Ownership and Hierarchy of Space





# Territoriality, Ownership and Hierarchy of Space

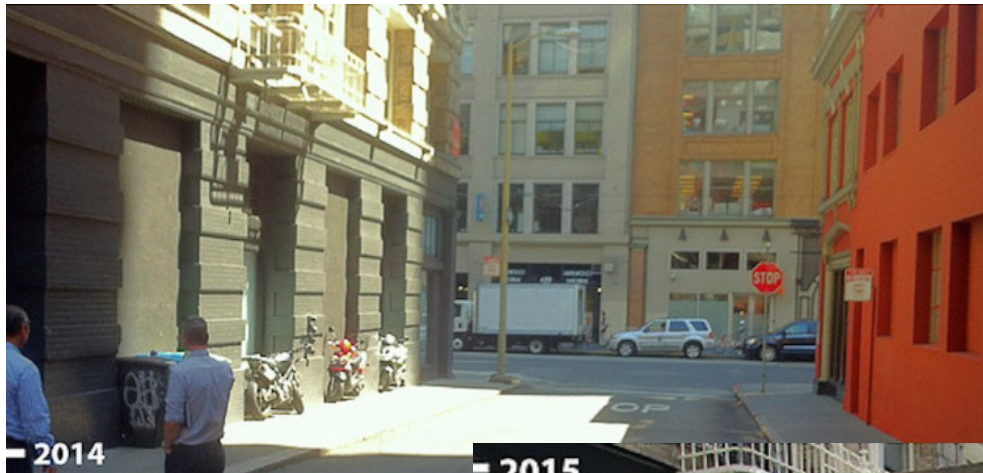


# Legitimate Activity Support





# Legitimate Activity Support

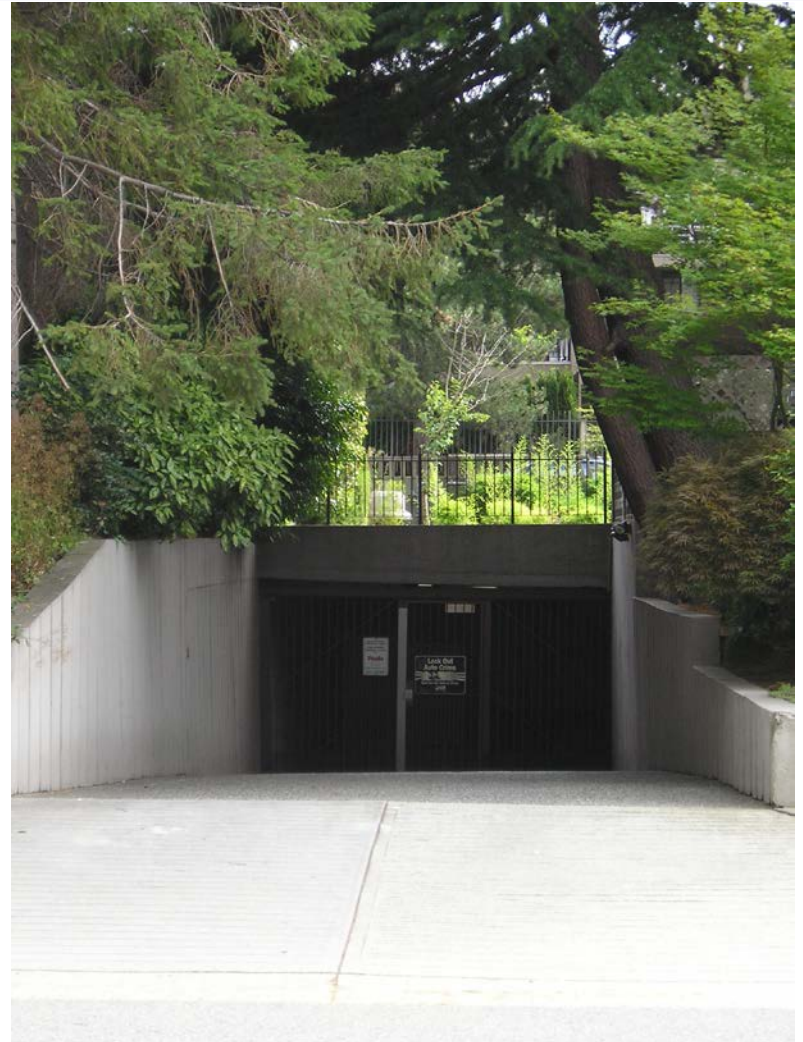


# Legitimate Activity Support





# Access Control





# Access Control



# Target Hardening





# Movement Predictors





# Lighting



# Criminal Prevention Through Environmental Design



Large windows promote casual supervision of sidewalk.

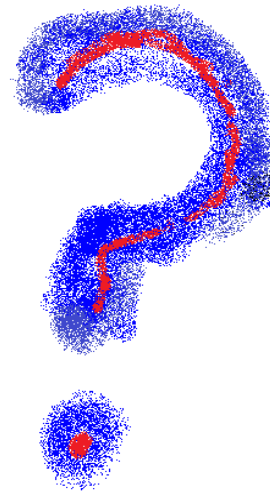
Porches and sidewalk encourage interaction between neighbors.

Paving and architectural treatments define public and private zones.

Good pedestrian-scaled lighting on street.

Low landscaping and fences define property lines without creating hiding places.





# QUESTIONS