

CRIME PREVENTION THROUGH ENVIROMENTAL DESIGN

C.P.T.E.D. (Pronounced sep-ted)



The CPTED premise

 "The proper <u>design</u> and effective <u>use</u> of the build environment can lead to a reduction in the fear and incidence of crime and an improvement in the quality of life."

National Crime Prevention Institute



CPTED

- CPTED is
 - A way of thinking about the relationship between criminal activity and property design.
 - A way of designing a property to be less attractive to criminals.
- People who use CPTED-designed areas perceive them as safe and would-be criminals see them as highly risky places to commit crimes.

Environmental design

Basic Principals of CPTED

- Territoriality
- Access Control
- NaturalSurveillance
- Activity Support
- Maintenance



Territoriality

- Refers to defining of space as public, semipublic, semi-private or private
- Clearly boundaries
- Is the expression of pride and ownership
- Prevents unauthorized use of space by unintended users



Access Control

 A method of guiding people to and from a space by effective use of entry & exit points to minimize uncontrolled movement





Natural Surveillance

- The ability of the intended property users to observe their surroundings
- Can be created by designing buildings, activity locations, and landscaping features that provide maximum visibility
- A concept based on the belief that criminals do not want to be observed committing crimes.



Activity Support

- Placing activity where the individuals become part of the "natural surveillance"
- When the activity can be enjoyed safely, crime is deterred
- A "risk" for the potential offender increases



Target Hardening

 Security measures to make entry or removal of property more difficult



Crime Prevention

- Managing Risks
 - Risk Spreading
 - Risk Sharing
 - Risk Limiting
- You can not eliminate all risk!



Risk vs Reward

- Is it worth the risk
- How much can I get
- Too risky?



Police Interview Burglars

- All in prison convicted of Residential Burglary
- What did we learn
 - Time of day for Home Burglary
 - How they choose a location
 - What they avoid
 - Preferred methods of entry



Time of Day

- After people leave for day and before they get home
- 6am to 6pm?
 - 8am to 11am
 - They assume everyone is at work by now and kids are not back from school yet



Choosing a Location

- Concealment
- Easy Access
- Escape
- Valuables in sight



The Big Three

- Although not every burglar listed these in the same order, these were always in their list
 - Dogs
 - Alarms
 - Nosey Neighbors (watchful eyes and Block Watch)



Entry Methods

- Open Window
 - One burglar interviewed said almost every house has one unsecured window
- Unlocked door
- Door Kick/Force
 - Fast but noisy



Home Security Checklist



Disclaimer:

 The following suggestions are made as a public service, for the purpose of reducing the likelihood of criminal activity with the understanding that there is no way to predict or prevent all crime risks.



Fire Escape Warning

- The fire department recommends crawling out of burning buildings
- Mount any device low so it can be reached while crawling!

 Life is more valuable than any possession



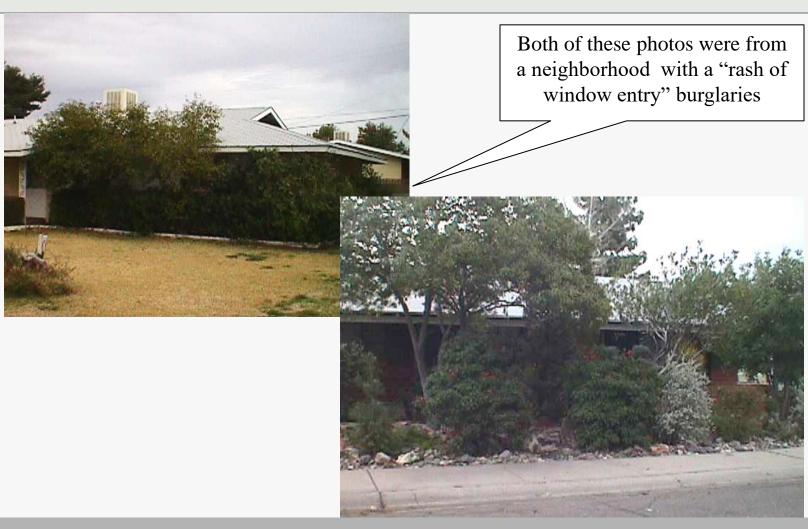
Security Survey

Take out the form





The address is easily visible and readable from a distance in a contrasting color from background? Illuminated after dark?



The front windows and doors are visible to neighbors and passers-by?



The landscaping is properly maintained to allow open sightlines and eliminate hiding places?

Landscaping Guidelines

- •Tree branches 6 –7 feet from the ground
 - Opens up view increasing natural surveillance
- Bushes kept shorter than 36"
 - —If near a window kept below windowsill level
 - Prevents concealment during entry







There are no areas of easy concealment



- ·Consider planting thorny plants under windows and around fences
 - ·Cactus
 - ·Roses
 - ·Bougainvillea
 - ·Pyracantha

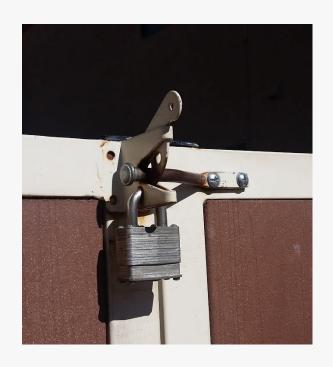


Crime Prevention Through Environmental design

Barrier plants are used in vulnerable places to prevent or limit access.

The Gate is Kept Locked

- Criminals like a clear escape
 - Fences slow them down
 - Prevents removal of heavy items
- We do not recommend placing glass, tar or carpet tack strips on top of fence
 - Police and fire often have to climb fences



No objects to climb fence

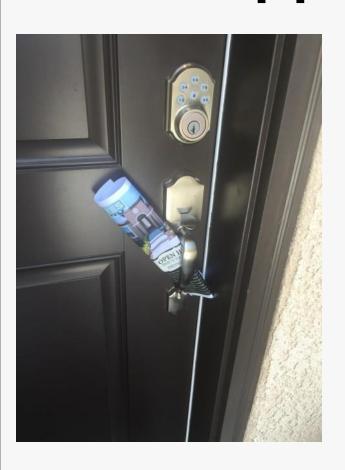








The House is maintained and appears occupied







Outdoor lighting at night even when not at home



- Porch and garage lights left on all day signal you are away
- Use photocells
- Near front door to illuminate visitors



Light directed down to avoid glare





All Doors Are Kept Locked

- At night
- Or when away
 - Even for just a few minutes



Spare keys are secured or with trusted friend

- Not
 - Under mat
 - In planter
 - In mailbox
- Lock box







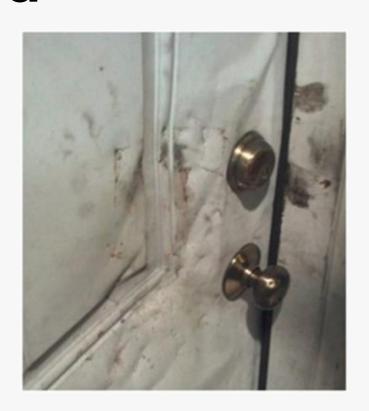
No objects are available to force entry into the house





Doors are Solid Wood or Metal Clad







Doors are Solid Wood or Metal Clad

Hollow Core

- Intended for interior use only
- Easy to force or kick open
- Older houses often have them as exterior doors



Door frames are in good repair and fit tight



Front door has a wide-angle Eye Viewer

- AKA peep holes
- Minimum of 180 degree





No mail slots or openings within 40 inches of the lock







Windows Within 40 Inches of Door Locks



Additional Measures

- Double cylinder lock
- Reinforced glass
 - Laminate
 - Security Film
- Other



Deadbolt What to look for

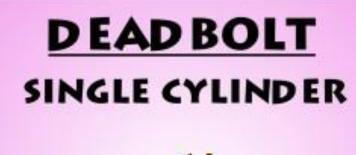
• 1 Inch throw on bolt

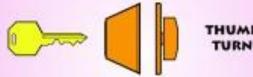
 "Anti Wrench Collar"



Deadbolt

Single vs. Double cylinder





Single Cylinder Deadbolt requires a key to be used from the outside and a thumb-turn from the inside to operate the bolt.

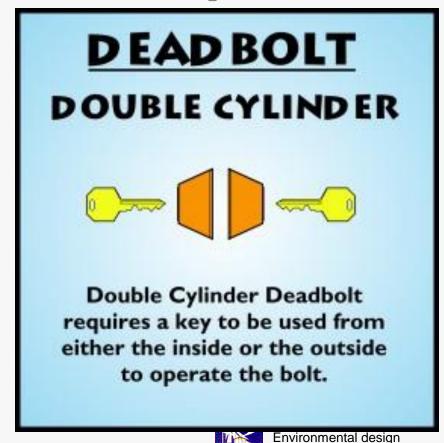
- Installed in most houses
- Need key for entry only



Deadbolt

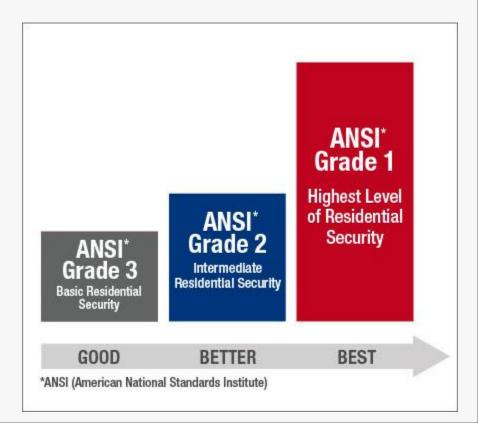
Single vs. Double cylinder

- Double cylinder often used when there is a window in or near the door
- Should leave key in door when people are home for emergency exit



Quality Lock

- Choose a "Graded" or tested lock
 - UL
 - ANSI



Quality Lock

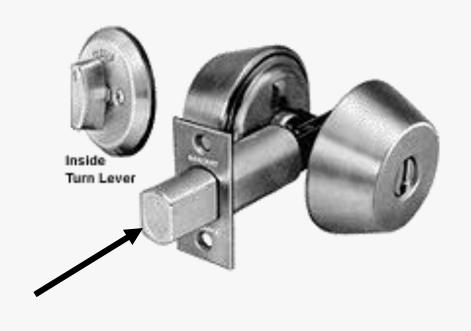






Properly Installed deadbolt lock

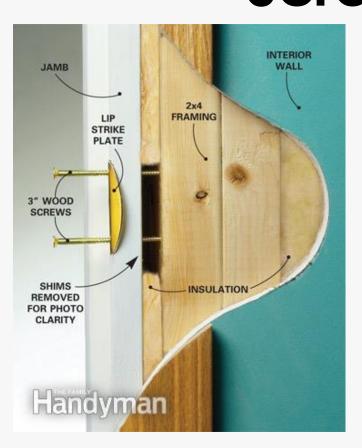
- Deadbolt
 - Good choice if
 - Installed properly
 - Quality lock is used
 - Bolt is dead (cannot be pushed in)



Re-Keyed Since Taking Possession



Strike Plates Have 2-3 inch Screws



 Screws need to go into the framework of the wall



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 Screws need to go into the framework of the wall



Bolt is Able to Fully Extend

- Bolt must "click"
- If not the bolt is not "dead"



Out Swinging Doors Have proper Hinges

- If the door opens out it has exposed hinges
- Harder to kick in
- Easy to remove hinge pins and remove whole door





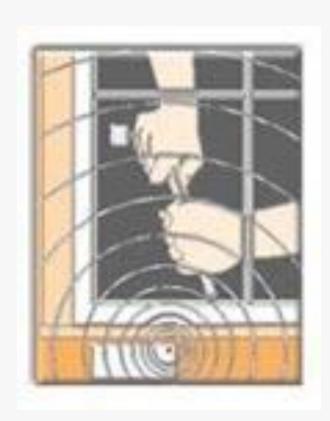


Exposed Hinges



Drive screw or nail into door leaving it exposed about 3/8" to fit into hole drilled in door jam

Windows



- Windows are left unlocked more often than are doors
- Many ways to secure windows depending on the type of window



The manufacture's lock works properly, and window has a secondary lock/latch in place



Sliding Windows

- Very common
- Many
 Secondary lock
 on the market
- Thumbscrew locks can be placed on the track





Door Between House and Garage

- Secured just like exterior door
- Not left unlock when away



Garage Door is Closed When Unattended



Open Carports



- Not used to store valuables
- Attic entrance from carport is locked

Backyard

- Tools ladders, bicycles, and equipment are locked up
- Shed

All gates are locked



Alley

- Consider
 adding address
 to your fence
- Helps PD and Fire Response
- 3851

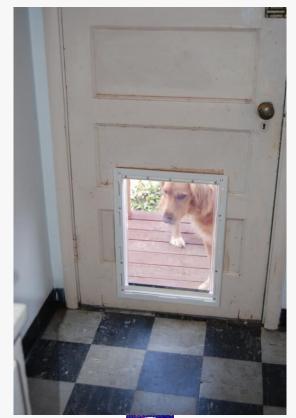
 No objects can be used to climb fence





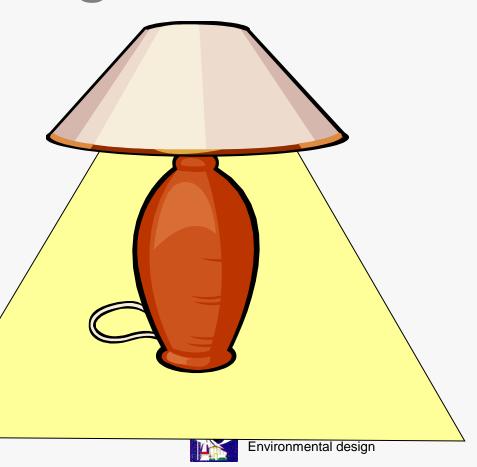
Pet Doors

 No large pet doors that allow access to the house



Timer or Photos Cells On Interior Lights

- Interior Lighting
 - Looks like someone is home
 - More comfortable to not enter a dark home
 - Use timers or photo sensors
 - Radios too



Inventory List

- Serial numbers / photos
 - Regularly updated
- Operation Identification
 - Engraving Drivers License on valuables
- New Technology
 - Micro dots
 - Barcodes



Hiding of Valuables

- Obvious places
 - Criminals have no boundaries
 - Dresser drawers



Alarm Systems

- Audible / Monitored
- Maintained and tested
- Proper operation
 - Everyone







Camera Systems

- Doorbell
- Direct to your phone
- Recorded on Cloud







Important Documents and High Value Items

- Secured in a good safe
 - Fire Safe vs Burglar Safe
 - Secured in place
- Safe deposit box





Don't Advertise Your Valuables

This photo was outside a business that was burglarized "everytime" they got new computers. How did the criminals know?







Neighborhood Watch Programs

- Block Watch
- Phoenix Neighborhood Patrol

- Do you know your neighbors
 - Across street
 - Both side
 - behind



ANY QUESTIONS?

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