

- 01.00.00** **CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN**
- 01.01.00** **DOORS**
- Functional Area:** During this unit of instruction the student will obtain a basic understanding and overview of the general structure of various types of doors and their applications. The student will learn the basic terminology associated with all types of doors. The student will also learn the various ways to secure the doors and hardware to increase the security of the door assembly.
- 01.01.01** **Learning Objective(s):** The student will be able to articulate the three primary desired characteristics of any exterior door.”
- 01.01.02** **Learning Objective(s):** The student will be able to state the minimum thickness for exterior doors.
- 01.01.03** **Learning Objective(s):** The student will be able to articulate that doors are the second most common point of unauthorized entry.
- 01.01.04** **Learning Objective(s):** The student will be able to recognize that most buildings have a minimum of six sides.
- 01.01.05** **Learning Objective(s):** The student will be able to state the minimum size of an exterior opening above which should be considered a security concern.
- 01.01.06** **Learning Objective(s):** The student will be able to state the minimum distance from the ground that any exterior opening below which should be considered a security concern.
- 01.01.07** **Learning Objective(s):** The student will be able to list at least five ways that doors are normally defeated.
- 01.01.08** **Learning Objective(s):** The student will be able to state several things that a burglar might look for in terms of weak doors.
- 01.01.09** **Learning Objective(s):** The student will be able to list the basic statistics, by percentage, of methods of illegal door entry.
- 01.01.10** **Learning Objective(s):** The student will be able to list the basic terminology and components of all doors.
- 01.01.11** **Learning Objective(s):** The student will be able to list the most common types of exterior doors.
- 01.01.12** **Learning Objective(s):** The student will be able to describe the difference between hollow core and solid core exterior doors.
- 01.01.13** **Learning Objective(s):** The student will be able to list the basic characteristics of solid wooden doors.
- 01.01.14** **Learning Objective(s):** The student will be able to list the basic characteristics of metal doors.
- 01.01.15** **Learning Objective(s):** The student will be able to list some of the advantages and disadvantages of metal doors over solid core wooden doors.
- 01.01.16** **Learning Objective(s):** The student will be able to list the basic characteristics of aluminum doors.
- 01.01.17** **Learning Objective(s):** The student will be able to list some of the advantages and disadvantages of aluminum doors compared to other types of exterior doors.
- 01.01.18** **Learning Objective(s):** The student will be able to list the basic characteristics of fiberglass doors.
- 01.01.19** **Learning Objective(s):** The student will be able to list some the advantages and disadvantages of fiberglass doors compared to other types of exterior doors.

- 01.01.20** **Learning Objective(s):** The student will be able to describe the characteristics of French doors.
- 01.01.21** **Learning Objective(s):** The student will be able to recognize a cremone bolt and list its characteristics and the basic usage in French doors.
- 01.01.22** **Learning Objective(s):** The student will be able to list the advantages and disadvantages of glass exterior doors compared to other types of exterior doors.
- 01.01.23** **Learning Objective(s):** The student will be able to identify the major disadvantages of sliding glass patio doors.
- 01.01.24** **Learning Objective(s):** The student will be able to list three ways the additionally secure sliding glass patio doors.
- 01.01.25** **Learning Objective(s):** The student will be able to articulate the importance of properly installing a glass patio door.
- 01.01.26** **Learning Objective(s):** The student will be able to list the common components and basic terminology of glass patio doors.
- 01.01.27** **Learning Objective(s):** The student will be able to recognize a "Charley Bar" and describe the method of installation to properly secure a glass patio door.
- 01.01.28** **Learning Objective(s):** The student will be able to recognize a keyed auxiliary patio door lock and describe the proper method of installation.
- 01.01.29** **Learning Objective(s):** The student will be able to recognize a door security pin and describe the proper method of installation.
- 01.01.30** **Learning Objective(s):** The student will be able to recognize a variety of security pins for doors and windows, including the use of a simple screw or nail.
- 01.01.31** **Learning Objective(s):** The student will be able to describe several security issues regarding garage doors.
- 01.01.32** **Learning Objective(s):** The student will be able to describe several security issues regarding electric garage door openers.
- 01.01.33** **Learning Objective(s):** The student will be able to articulate the need to change the security code of an electric garage door opener after installation.
- 01.01.34** **Learning Objective(s):** The student will be able to articulate the need to disconnect electric power to garage door openers when owners are gone for extended periods.
- 01.01.35** **Learning Objective(s):** The student will be able to articulate the need to install and use manual mechanical locks to additionally secure a garage door when owners are gone for an extended period.
- 01.01.36** **Learning Objective(s):** The student will be able to distinguish the common characteristics and primary differences between wooden and metal garage doors.
- 01.01.37** **Learning Objective(s):** The student will be able to recognize the characteristics and differences between single, double and triple sheet metal garage doors.
- 01.01.38** **Learning Objective(s):** The student will be able to articulate the importance of eliminating windows from garage doors.
- 01.01.39** **Learning Objective(s):** The student will be able to articulate the fact that secondary garage doors should be handled exactly the same as any other exterior door.
- 01.02.0** **HINGE PINS, LATCHES and STRIKES**

Functional Area: During this unit of instruction, the student will learn the components of door components including hinges, hinge pins, and strikes. The student will additionally learn methods to strengthen all of these components to restrict access.

- 01.02.01** **Learning Objective(s):** The student will be able to articulate the importance of installing hinge pins within the interior of the building wherever possible.
- 01.02.02** **Learning Objective(s):** The student will be able to describe the additional security measures necessary when hinge pins are on the exterior of the building.
- 01.02.03** **Learning Objective(s):** The student will be able to list at least three different methods to secure exterior hinge pins.
- 01.02.04** **Learning Objective(s):** The student will be able to articulate several methods for "pinning" a door.
- 01.02.05** **Learning Objective(s):** The student will be able to explain that the door strike is historically the weakest part of any door.
- 01.02.06** **Learning Objective(s):** The student will be able to articulate the importance of removing the manufactures provided short screws and replacing them with long, hardened steel screws at all points around the door.
- 01.02.07** **Learning Objective(s):** The student will be able to describe a variety of methods for strengthening door strikes.
- 01.02.08** **Learning Objective(s):** The student will be able to articulate the difference between the ordinary basic door strike and several types of extended or higher security door strikes.
- 01.03.00** **DOGGIE DOORS, MAIL SLOTS AND PEEP HOLES**
- Functional Area:** During this unit of instruction, the student will learn about openings that are cut into doors, such as doggie doors and mail slots that weaken the structure and allow the possibility of unauthorized entry. The student will also learn the importance of installing peep holes of the appropriate style and height, along with methods to defeat them.
- 01.03.01** **Learning Objective(s):** The student will be able to articulate the importance of not installing other openings, such as doggie doors and mail slots, into exterior doors.
- 01.03.02** **Learning Objective(s):** The student will be able to describe the need to install peep holes in doors.
- 01.03.03** **Learning Objective(s):** The student will be able to describe the variety of peep holes available, along with recommending the most appropriate type for residential doors.
- 01.03.04** **Learning Objective(s):** The student will be able to describe what a reverse peep hole viewer does and how it is used.
- 01.03.05** **Learning Objective(s):** The student will be able to articulate a couple of ways to defend the use of reverse peep hole viewers.
- 01.04.0** **DOOR GUIDELINES**
- Functional Area:** The student will learn the basic recommendations and guidelines for the proper application of doors and locks for both residential and commercial applications. Additionally, the student will learn the importance of proper landscaping near doors, detailing what to include and what to avoid. The importance of the proper use of signs and lighting with regard to doors will also be studied.
- 01.04.01** **Learning Objective(s):** The student will be able to articulate the fact that doors are not the place to save on construction costs.
- 01.04.02** **Learning Objective(s):** The student will be able to articulate the need to install quality locks.
- 01.04.03** **Learning Objective(s):** The student will be able to describe the ideal direction for installation of exterior front doors.

- 01.04.04** **Learning Objective(s):** The student will be able to articulate the basic requirement for the basic type of exterior doors.
- 01.04.05** **Learning Objective(s):** The student will be able to articulate the need to designate a single public entrance for commercial entrances.
- 01.04.06** **Learning Objective(s):** The student will be able to discuss the need to remove door mats and other objects that can be used to block doors open.
- 01.04.07** **Learning Objective(s):** The student will be able to recommend solutions for notification of when doors are propped open.
- 01.04.08** **Learning Objective(s):** The student will be able to identify methods by which door security can be defeated and recommend ways to overcome it.
- 01.04.09** **Learning Objective(s):** The student will be able to recommend rules to follow for installation of specific and recommended types of landscaping near doors.
- 01.04.10** **Learning Objective(s):** The student will be able to list the minimum height above which shrubs and bushes need to be trimmed.
- 01.04.11** **Learning Objective(s):** The student will be able to list the maximum height below which tree limbs should be trimmed.
- 01.04.12** **Learning Objective(s):** The student will be able to discuss the need for proper signage around buildings to guide users to the proper door.
- 01.04.13** **Learning Objective(s):** The student will be able to discuss the need for proper types of lighting for sidewalks directly users to the appropriate door, and the proper illumination around doors themselves.
- 01.05.0** **SKYLIGHTS AND OTHER OPENINGS**
- Functional Area:** The student will be able to recognize a variety of skylights and make appropriate recommendation for the appropriate type depending on the application. The student will also learn the importance of property security of roof hatches and methods to secure them. Student will learn to look for other possible avenues of entry such as vents, shafts, sewer drains, and similar items.
- 01.05.01** **Learning Objective(s):** The student will be able to discuss the advantages and disadvantages of the use of skylights.
- 01.05.02** **Learning Objective(s):** The student will be able to discuss the various types of permanently installed skylights and their appropriate applications.
- 01.05.03** **Learning Objective(s):** The student will be able to articulate the fact that skylights can be a good, undetected method of illegal entry into a building.
- 01.05.04** **Learning Objective(s):** The student will be able to recognize the difference between regular skylights, daylights, entrance canopies and glass atriums.
- 01.05.05** **Learning Objective(s):** The student will be able to articulate the need to remove accessories on the outside of buildings that would allow easy access to the roof and then access to the skylights as a method of illegal entry.
- 01.05.06** **Learning Objective(s):** The student will be able to discuss the importance of properly training workers not to leave ladders and other items unattended that would also allow roof access.
- 01.05.07** **Learning Objective(s):** The student will be able to recommend a variety of glass and polycarbonates that are available for skylight assemblies.
- 01.05.08** **Learning Objective(s):** The student will be able to discuss the need to keep roof hatches locked from the inside.
- 01.05.09** **Learning Objective(s):** The student will be able to discuss the need for frequent inspections of roof hatches.

- 01.05.10** **Learning Objective(s):** The student will be able to discuss the need to properly secure access to ladders that provide roof hatch access.
- 01.05.11** **Learning Objective(s):** The student will be able to articulate the need to properly mount window air conditioners so that illegal entry is more difficult.
- 01.05.12** **Learning Objective(s):** The student will be able to recommend a variety of options for providing additional security around window air conditioners.
- 01.05.13** **Learning Objective(s):** The student will be able to discuss the need to inspect sewer and similar drains in and near buildings for possible use in illegal entries.
- 01.05.14** **Learning Objective(s):** The student will be able to recommend a variety of options for securing storm grate drain covers to thwart illegal entry.
- 01.05.15** **Learning Objective(s):** The student will be able to discuss the need to protect the underside of buildings that are mounted on pier and beams.
- 01.05.16** **Learning Objective(s):** The student will be able to recommend a variety of solutions for securing the underside of pier and beam buildings to thwart illegal entry.
- 01.05.17** **Learning Objective(s):** The student will be able to articulate the fact that buildings on pier and beams give another area (floor) that needs to be addressed over buildings on slab foundations.
- 01.05.18** **Learning Objective(s):** The student will be able to discuss the need to properly secure exterior roof access ladders to prevent their use by unauthorized persons.
- 01.05.19** **Learning Objective(s):** The student will be able to recommend a variety of methods to apply to exterior roof access ladders that deters their use by unauthorized persons.

COMPLETE