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PHYSICAL SECURITY EQUIPMENT

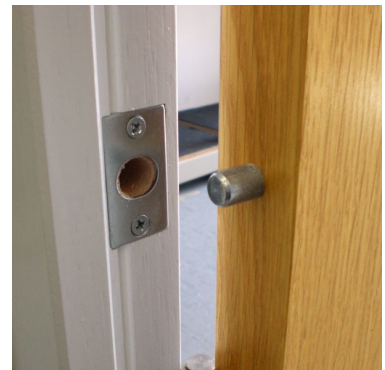
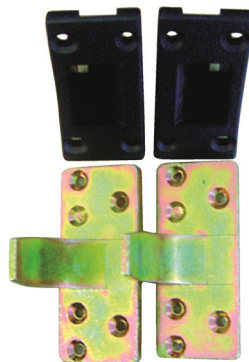
Here are some recommendations that are neighborhood-friendly yet provide enhanced physical security for your home and go beyond the recommendations typically found in most home defense guides.

Doors

Use solid core or metal doors on all exterior entrances including the connecting door from the garage (preferably doors and frames without windows or side-lights).



- If windows are nearby, reinforce them with wire-mesh, bars, or shatter resistant film.
- Doors can be reinforced with:
 - Hinge Protectors

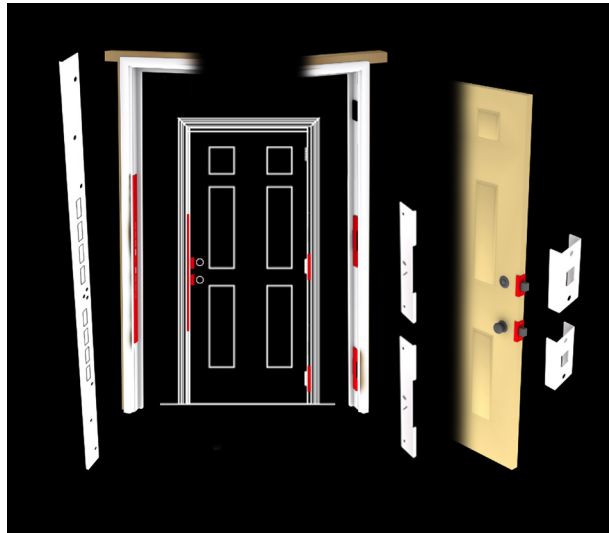
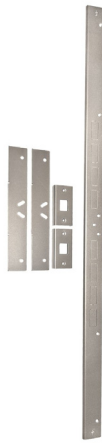


- Use of longer hinge and lock-plate screws, long enough to reach the studs beyond the door frame (3" minimum).

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- Door Armor anti-pry reinforcements for the door frame, hinges, and lock-plate.



- Use high security commercial locks such as Mul-T-Lock, Medeco, or Abloy. Most residential locks such as Kwikset or Schlage have limited key combinations and are easily picked, bumped, or forced.
 - If the door contains a window or there is a window nearby, use a double-keyed deadbolt to prevent an intruder from reaching through the broken window and simply unlocking the door.

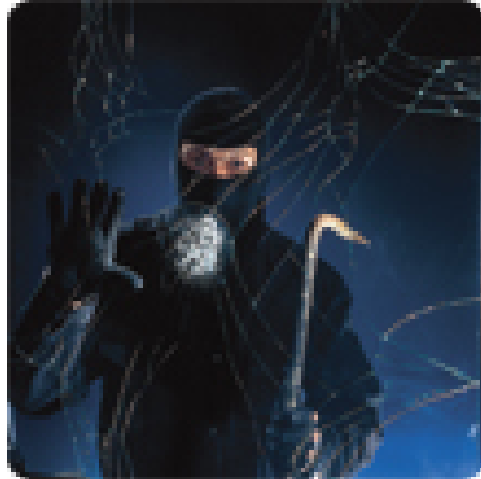


Windows

- Place bars or mesh over basement level windows.
- If bars or metal grates are out of the question a shatter resistant film can be applied to glass windows and doors.
 - 3M BlastGuard - The industry standard but difficult to purchase without a dealer for residential use.
 - Protective films by other manufacturers can be readily found online.

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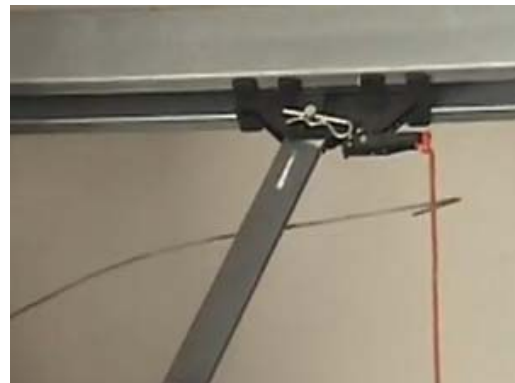
- A simple solution for securing/locking sliding windows is to cut a dowel to fit in the sliding track alongside the frame.

Garage Doors

- Use a double bar lock on roll-up garage doors. A padlock will also provide additional security if leaving for an extended period of time.



- If using an automatic garage door opener, disable the garage door release mechanism with a zip-tie to prevent an invader from remotely pulling it.



- Lock the garage door every time it is closed. Do not get lazy with the automatic door opener, they are easily hacked and cloned.

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Camera Systems

- Cameras are useful for remote monitoring of your house and their usefulness is enhanced when paired with an alarm system.
 - o Most dedicated security camera systems have DVR recording, the length of recording time is determined by the size of the DVR drive. They are often supplemented with remote access and streaming video through the internet although maximizing the capabilities of most systems can become complicated.



- o Nest or DropCam systems can be substituted for an installed security camera system and are effective, relatively secure, small, and portable (can be used anywhere a wi-fi signal is present such as hotel rooms when travelling). They do require a subscription service to take advantage of all their functionality however.



Alarm Systems

- There are many options for home alarm systems however the best systems typically do not utilize monitoring services and can be programmed to notify people or organizations of your choosing. Some characteristics to look for are:
 - o Remote notification and monitoring
 - o Cellular back-up communications
 - o Battery back-up (72 hours at least) - the most common method of defeating a home alarm system is to rip the alarm panel off of the wall and sever the phone and power

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lines before the system can broadcast the alarm (typically 60 seconds). With cellular and battery back-up the system can still broadcast even if power and communications are cut.

Escape Options

- Do not forget about possible egress routes and methods for escaping from your home should you need to. This includes methods for escaping from the upper levels of the structure.

