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Physical Security Controls

When designing this lab I am starting from the bottom going up. First the 40'x40' computer lab will have a TATE® ConCore Raised Floor System. Second the walls for this lab should be constructed of reinforced concrete. The lab needs a strong door, so I picked a steel wood door from smartsecuritydoors.com. It has a nice wood finish but has steel reinforcement on the inside. We will install a Schlage NDE Wireless Lock With Rhodes Lever onto the steel wood door. This lock can be opened with proximity access cards, that can be programmed at any time to add or delete credentials so only to allow authorized users. All of the computers and monitors will be locked down using Guardian desktop cable locks. There also will be a 16 point high-definition security camera system. Cameras will be placed in all room corners, and the middle points from the corners; totaling 8 cameras in the lab. The other 8 cameras will be placed outside of the lab. For added protection a Nest Protect Smoke and Carbon Monoxide Alarm will be installed, along with fire sprinklers. As an added measure I would want insurance for natural disasters or acts of god (depending on the location I could want more or less coverage). I consider this a secure solution because it should do a good job of keeping people out that have not been granted access. It should also deter anyone from doing anything with mal-intent that does get access to the lab because they will have to use a card with their credentials to get in, and they will also be under video surveillance.

- Reinforced concrete walls - to prevent physical brute force from breaking into the lab.

- Steel Wood Door A6107 - to prevent physical brute force from breaking into the lab.
- http://www.smartsecuritydoors.com/proddetail.php?prod=steel_wood_door_A6107

- Schlage NDE Wireless Lock With Rhodes Lever w/ proximity access cards
- This door will be used to restrict access to individuals and their respective ID proximity cards.
- http://www.gokeyless.com/product/2587/2/schlage-nde-wireless-lock-with-rhodes-lever

- Guardian desktop cable lock - to keep someone from walking out with equipment.
- http://www.computersecurity.com/computer-lock/guardian-desktop-cable-lock.htm

- GW Security 16CH NVR Security Camera System
- This is to hold users accountable for actions they take in the lab.
- http://www.amazon.com/GW-Security-Connection-Weatherproof-Surveillance/dp/B00V3ZCZ2W/ref=sr_1_2?s=electronics&ie=UTF8&qid=1454640539&sr=1-2-spons&keywords=security+camera+system&psc=1

- TATE® ConCore Raised Floor System
- This is good in case a fire sets off the sprinklers, we do not want electricity + water touching.
- https://www.accessfloorsystems.com/index.php/products/raised-floor-panels-1/raised-floor-kits/concore-kit.html

- Nest Protect 2nd Gen Smoke + Carbon Monoxide Alarm - a safety measure for users in the lab.
- http://www.amazon.com/Nest-Protect-Carbon-Monoxide-Battery/dp/B00XV1RCRY/ref=sr_1_15?s=hi&ie=UTF8&qid=1454640655&sr=1-15&keywords=smoke+detector

- Fire sprinklers - in case a fire needs to be put out.