

## **Designing Physical Security Controls**

### **Assignment Due Date: 2/4/16**

You have just been hired as a security consultant for Super Mega Corporation Company; congratulations! Your boss has notified you of their plans to build a new lab to assist their in-house application development team in pushing products out. The lab space will be in a 40' x 40' (forty feet by forty feet) room with 15' ceilings and will contain 20 enterprise-grade workstations. All other aspects of the room can be tweaked to accommodate your design for physical security controls.

For this assignment, you should use (at least some of) the physical access control elements we discussed in class, as well as any other physical security controls you have in mind. While your boss at SMCC has not given you a budget you must adhere to, you are expected to justify the cost of any hardware purchases you recommend.

An ideal design will strike a blend between ease of use for the end user and adequate protections for SMCC's assets. In order to help you determine what that blend should include, assume that the assets you are tasked with protecting should not be accessible by unauthorized individuals but that these assets aren't classified as "top secret" or contain major trade secrets (this would be a "limited" area with respect to the figure shown on Slide 25 of the Physical & Infrastructure Security lecture).

Record your responses using your preferred document editing software. When you're finished, convert the document into a PDF file and submit it via Blackboard for grading in the "Assignments" section.

Your design report should include:

- A general overview of the design
- A list of hardware to purchase (cameras, locks, etc.)
  - Find actual pieces of hardware and prices; include URLs
- A brief explanation of why the hardware is needed
  - One or two sentences per item on your list is fine
- Why you made the design choices you made
- Why your design should be considered a secure solution