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Date:	06/12/2022

Physical Control Recommendations

1. Increase physical controls to access Company_A Building by:
 - a. Close Circuit TV on the outside of the building to monitoring the surroundings of the building as well as those entering and leaving the building.
 - b. Have an entrance for employees who will gain access to the building using a personal identity verification (PIV) card. On the employee entrance door there will be a PIV card reader that will give access to employees by reading the chip to determine if the employee has access or not to the main employee entrance. In addition, there will be PIV readers designated at areas where increase security is needed such as the data server room(s). Each employee's PIV card will give access to other areas of the building based upon their job responsibilities. Visitors will enter using the entrance designated for visitors/guest where a security guard will be present to check their identification which should be a valid picture id such as state identification card or a valid state driver's license. Also, visitors/guest will be required to sign in and sign out.
 - c. There will be man traps for high security areas using the PIV card to get through the first door and a door code lock to get through the second door.

Logical Control Recommendations

1. Encryption.
 - a. There needs to be an encryption especially with customer data and data servers **using** AES-256 encryption. AES-256 is the strongest advance encryption system (AES) to use due to the number of rounds. The more rounds, the more complex and difficult to cause a brute force attack.
2. Multi-factor authentication
 - a. Even though username and password are available. There needs to be multi-factor authentication to help in identifying the employee/person who they say they are using the following examples: token, personal identity verification (PIV) card, thumb print.

COMPANY_A Security Plan

Administrative Control Recommendations
<i>(Include the names of the attached policy documents)</i>