Greater Manchester Police
designforsecurity

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F.A.O. Peter Brown

25/03/2021

Dear Peter,

I refer to your request for a consultation for the above proposal. I have reviewed the development and drafted a short statement highlighting a series of recommendations intended to reduce the risk of criminals being attracted to the locality or the presence of the development being a factor in generating criminal activity.

Recommendations to Improve Security

The following points have been identified for further consideration..

Physical Security

Doors

- The existing doors should be replaced and must be compliant with and certified to BS PAS 24 (2016), or LPS 1175 SR2. It is crucial that the additional ironmongery on escape doors is permitted under the security certification of the door.
- New front, side and rear ground floor windows) should be installed certified to Secured by Design standards.

Intruder Alarm

- A monitored intruder alarm system should be installed, covering the all parts of the ground floor (where applicable), linked to contacts on all external doors and PIR detectors covering all rooms with windows, with a signal terminating at the security control room/patrol team.

Access Controls

- Access control systems should be operable by swipe card or fob, and not numeric key pads. All current access control should be upgraded to security rated access control.
- The following doors should operate on security rated access control:
    - All external doors leading to the inside of the building.
    - Internal doors which include, access to the individual offices and fire exits where applicable

- An audio-visual unit should be installed at the main entrance so that staff can converse with, and vet, visitors prior to allowing entry remotely from the reception/office.

Lighting

- External lighting must be provided to all external doors. Lighting should accord with BS 5489. Dusk 'til dawn lights, operated by photoelectric cell/daylight sensor, should be installed to all external doors and all building elevations.
- Fittings should produce 'white' light, as opposed to yellow/orange light. Metal halide (or bulbs with a comparable output) should be used, as these offer superior colour rendition over alternatives such as high and low pressure sodium bulbs.

CCTV

- A CCTV system should be used on this site. The system will require certain specifications and intelligent placement of cameras to compliment the design of the development. Designers should consider the following points when planning a CCTV strategy:
    - With regards to the retention of footage, the police prefer quality over quantity. The overall retention period should be dictated by what the system is designed to achieve, though it would be better to have good quality images over a 14-day period than poor ones over a 30-day period.
    - Procedures for recovery of recordings are recommended to be established (e.g. trained staff / the CCTV system instruction manual to be readily available). This is to ensure that the images

Acceptable Standard - this generally requires a resolution of 720x576 pixels at a real time frame rate of 25 frames per second. (N.B. Both the camera and DVR must be capable of this – if the camera will only send low resolution images then it does not matter how high the resolution of the recording unit is).

Identification – One of three levels of field of view. To identify an individual, the image must capture no less than 120% of the field of view (at least from the top of the individuals head to their knees). The remaining two levels of field of view are 'Overview' and 'Recognition', which whilst effective for observational purposes, are less likely to result in the identification of a person/offender.

- CCTV systems (and lighting that supports it) require regular cleaning and maintenance to remain effective.
- Where necessary cameras, and lighting, that are vulnerable to damage should be protected from attack, either by relocation to a higher level and using a bigger lens to achieve the view required, or through the fitting of a vandal resistant housing.
- The intelligent placement of cameras helps to provide clear facial identification of individuals. Suitable locations for cameras would be: all building elevations, with particular focus on entrance doors; perimeter gates; and the reception/entrance lobby.

Signage

If CCTV is implemented, its presence should be heavily advertised through the use of signage and posters. Making potential offenders aware of the security measures in place through the use of signage, will in itself act a visual deterrent.

Storage

Items of significant value or importance should be stored in security rated storage facilities. For example, a key safe should be installed to a minimum standard of LPS 1175 SR2 or above. Furthermore, a security cabinet should be installed to a minimum standard of LPS 1175 SR4 or above to house expensive electrical equipment.

Management & Maintenance

- The success of the development will be dependent upon the effective management and maintenance of the site. A security management plan should include measures to deal with the following:
    - Frequent inspection and prompt repair of security features (e.g. lighting CCTV, signage, barriers, locks, fencing and rails).
    - Access control, Supervision & Surveillance
    - Raising staff awareness of security protocols (e.g. as part of induction).

I hope this is helpful and if I can be of further assistance in relation to this matter, please do not hesitate to contact me.

Yours faithfully

Sean Bastow Bsc Hons
Assistant Design For Security Consultant

for and on behalf of Greater Manchester Police| Crime Prevention Team
design**for**security | prevent**and**secure

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