Designing Out Crime Officer
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West Yorkshire Police
Kirklees District

To: Nick Hirst Kirklees Council Planning Services Civic Centre 1, High Street, Huddersfield, HD1 2NF	Ref: 2020/93994 Date: 1st February 2021

Site Location: Globe Mills, Bridge Street, Slaithwaite, Huddersfield, HD7 5JN
Application: Variation of Condition 27 on previous 2015/90646 application

Dear Nick

Thank you for your request for consultation for the above outline application. Having read the available information, overall, West Yorkshire Police supports the principle of this application in its current form, subject to the below advice being incorporated into the design plans.

Layout of site summary and concerns

Referring to site plan drawing number 333.04.(SK)005 Rev B. dated 12/08/2013.

Footbridge

The footbridge should be designed so that the space below is not attractive for people to gather and cause anti-social behaviour.

Appropriate lighting to BS5489-1:2020 standard must be installed to allow for good night time visibility on the bridge to deter loitering.

Car Parking on site

Details are required from the applicant giving the boundary treatments, lighting and security measures proposed for the car park.

Main Mill Building Security

Details are required from the applicant about the security standards for the main doors and windows at ground floor and accessible levels of the building, including the entrance from the footbridge.

A detailed external lighting plan for the site is requested.

Details for cycle and motorcycle security points are requested from the applicant.

The below information is intended for the applicant to include in any amendments to the application in order to maximise the security of the development.

Boundary treatments

Security fencing must be installed around the site perimeter. Materials may include welded mesh and expanded metal available in numerous coloured coatings, which are sometimes used in conjunction with timber. Railings of various designs can be used to good effect and all fencing types 2.4m above ground level, can be fitted with hostile toppings to deter climbing. I would recommend the boundary treatments for the site be robust to a height of 2400mm with signage stating the use of hostile or defensive toppings to be placed around the exterior of the perimeter fencing at regular intervals.

Access must be restricted from public land by installing a lockable gate of the same material and same height as the fencing.

It is advised that the boundary fencing is defended with defensive planting to the outside of the fence.

A party or shared boundary should not compromise security and maintenance. It may be advisable to erect a separate security fence inside the party boundary, ensuring access for maintenance of both existing and new structures. It is important to take account of neighbours' amenity in the choice of structure, as they will be more likely to act as deterrents or witnesses in helping to maintain site security. This arrangement may create a new path around the boundary and measures may be required to obstruct this path at vulnerable points.

All steel used in manufacture should be galvanized to BS EN ISO 1461:2009 and/or stainless steel with a service life in excess of 25 years.

When the building is closed and unoccupied, it must be possible to lock all entrance gates onto the site. During partial occupation, whether by employee, cleaners or security staff, perimeter gates should be operable by appropriate means of secure access control.

It is essential that all fencing and boundary treatments be designed so that the external face is flat with no footholds for climbing. This applies to any gates used on the site as well.

Gates

The design, height and construction of any gates within a perimeter fencing system should match that of the adjoining fence and not compromise the overall security of the boundary.

Access must be restricted to the perimeter defensible space from public land by installing a lockable gate of the same material and same height as the fencing. It is advised that the gate construction is such that no footholds or cross members are accessible from the outside of the gate, especially around the locking mechanism to prevent climbing.

External lighting

All street lighting for both adopted highways and footpaths, private estate roads and footpaths and car parks must comply with BS5489-1:2020 standard. Where conflict with other statutory provisions occurs, such as developments within conservation areas, requirements should be discussed with the local authority lighting engineer.

Landscaping, tree planting and lighting schemes shall not be in conflict with each other.

The recommended Overall Uniformity of light for a development is expected to achieve a rating of 0.4Uo and should never fall below 0.25Uo. *The evenness of light distribution is almost always more important than the levels of illumination being achieved by the system (the levels are determined by BS 5489-1:2020) The British Standards Institute have issued an advisory note stating that they recommend that Uo be at least 0.25 or*

25%. A 0.4 Uo value is the ideal standard for a lighting system, but where technical reasons prevent this we will still require the very best levels possible and under no circumstances may the rating fall below 0.25Uo.

The Colour Rendering qualities of lamps used in an SBD development should achieve a minimum of at least 60Ra (60%) on the Colour Rendering Index

It is advised that LED lighting standards are installed to produce downward lighting. This lighting should give a uniform spread of light around the site and not have any large areas of shade or shadow.

The site should provide external lighting such as low energy photoelectric cell or dusk until dawn lighting above all access doors of the building. Any fittings and wiring should be vandal resistant and located within inaccessible positions to deter any criminal attack.

The lighting plan should work in harmony with any CCTV system, which should cover the same locations as mentioned above.

Security measures

Wall construction

Due to the remoteness of some industrial and warehouse units and or reduced activity at night and over the Weekends, some buildings become prone to criminal attack through the wall, bypassing security doors and shutters. The walls should therefore be designed to withstand such attacks and materials resistant to manual attack or damage should be used to ensure the initial provision of security.

Where lightweight construction is being considered, for example the use of insulated sheet cladding, a reinforced lining such as welded steel mesh can enhance the security of the building fabric. Internal plasterboard walling to STS 202 Issue 7 BR1 Requirements for burglary resistance of construction products, should also be considered.

Roller shutters and grilles

Grilles and shutters can provide additional protection to both internal and external doors and windows. The minimum standard for such products, when required, is certificated to:

- LPS 1175: Issue 8:2019 Security Rating B10 or above
- STS 202: Issue 3, Burglary Rating 1

For roller shutters, the above minimum security ratings are generally sufficient where:

- a shutter is required to prevent minor criminal damage and glass breakage or
- the shutter is alarmed and the building is located within a secure development with access control and security patrols or
- the shutter or grille is intended to prevent access into a recess or
- the door or window to be protected is of a high security standard in its own right.

Security ratings higher than the minimum may be required and will be dictated by one or more of the following security considerations

- Type of crime risk
- Level of crime risk
- Location of the building
- Security level of the door or window being protected

External doorset apertures

It is important that the doorset aperture be protected. Due to the nature of some commercial building uses and locations, there is an expectation that the security will be required to meet the following minimum standards when the building is unoccupied:

- PAS 24:2016
- LPS 1175: Issue 8:2019 Security Rating B10 or above
- STS 201 or STS 202: Issue 3, BR2

Additional security may be gained by utilising additional protection such as a certified roller shutter or grille.

It is expected that all doorset products are fit for purpose and therefore certification to the following material specific standards is also required:

- BS 6510:2010 (Steel)
- BS 7412:2007 (PVCu)
- BS 644:2012 (Timber)
- BS 8529:2010 (Composite)
- BS 4873:2009 (Aluminium)

It is strongly recommended that any doors that include a euro cylinder lock be rated to standards; TS007 3 Star, STS 217 or Sold Secure Diamond Standards. These offer more resistance to this type of attack and will prevent crime. Consult the door supplier to make sure that the PAS24 rating is not affected if locks are upgraded.

Windows

The below are the recommended standards;

- BS PAS 24-2016
- STS 202 Issue 3:2011 BR 1
- STS 204 Issue 3:2012
- LPS 1175: Issue 8:2019 Security Rating B10 or above
- LPS 2081 Issue 1:2015 SR A

Ideally laminated glazing should be installed and certificated to BS EN 356 1A rating, so that if there are any attempts of entry the glass will remain intact.

Security glazing

All ground floor and easily accessible glazing must incorporate one pane of laminated glass to a minimum thickness of 6.4mm or glass successfully tested to BS EN 356:2000 *Glass in building. Security glazing - resistance to manual attack* to category P1A unless it is protected by a roller shutter or grille. With effect from 1st January 2014 the Secured by Design requirement for all laminated glass in commercial premises will be certification to BS EN 356 2000 rating P1A unless it is protected by a roller shutter or grille.

Occasionally, when large laminated glazed panels are used on south facing elevations, there have been incidents of glazing failure (cracking) due to thermal stress. Whilst the use of toughened glass would seem to be a simple solution to the problem of thermal stress, ordinary toughened glass offers no security resistance. It is therefore recommended that the inner pane of glass used in a double glazed unit is 'laminated toughened'. This combination of the two sheets of toughened glass and the interlayer offers both resistance to intrusion and thermal stress associated with large glazed areas. Specifiers are reminded that the minimum requirement for SBD is BS EN 356: 2000 category P1A.

When premises are assessed as being at significant risk to the effects of blast from a terrorist attack, blast resistant glazing or anti shatter film may be required to mitigate the risk of death or injury from the effects of flying glass. Separate information from a West Yorkshire Police Counter Terrorist Security Advisor will give further information on this matter.

Car parking

Provision should be for secure parking within the site perimeter in view of the building and be covered by CCTV. Rear parking court areas that are hidden from view are unacceptable. They are known to become

associated with nuisance and anti-social behaviour as well as increasing the opportunity for car crime and rear access burglary.

Cycle Parking / Storage

Secure provision is required for any separate cycle storage in line with '*Secured by Design'* guidance.

External containers specifically designed for the secure storage of 2 or 3 bicycles and certificated to,
LPS 1175: Issue 8:2019 Security Rating B10 or above
SR1/2 or Sold Secure SS314 Bronze are available.

These may be suitable for the use of members of staff. The securing of cycles left unattended must be considered within the design of any new commercial premises. The cycle stand must facilitate the locking of both wheels and the crossbar.

Minimum requirements for such equipment are:

- Galvanised steel bar construction (minimum thickness 3mm) filled with concrete.
- Minimum foundation depth of 300mm with welded 'anchor bar'.

If there are to be sheds or cycle storage, further details are required on the security and fabrication. If cycle storage is to be a wooden shed, there should not be any windows installed. The door hinges, including the hasp and staple should be coach-bolted through the shed structure. Any padlocks should look to be certified to Sold Secure Silver or LPS 1654 issue 1:2013 SR1.

The bicycle security anchor should look to be certified to Sold Secure Silver Standard or LPS 1175 issue 7.2 (2014) SR1 and securely fixed to the concrete foundation.

Motorcycle Parking

Ground anchors and/or metal support stands provide a primary point for securing motorcycles, around which other secondary measures can be added by the rider, such as disc locks, grip locks, bike covers to one of the following security standards:

- Sold Secure Gold;
- STS 501

Motorcycle parking bays can be made more secure by the installation of ground anchors, or robust metal support stands running at the side of adjacent paving. They provide a firm and immovable object to affix the rear wheel of a motorcycle. Ground anchors should be installed at the rear of motorcycle parking bays near to the kerb line and relatively flush to the road surface to prevent them being a trip hazard and meet one of the following security standards:

- Sold Secure Gold;
- STS 503

If metal support stands are provided, these should consist of galvanised steel bars (minimum thickness 3mm), with minimum foundation depths of 300mm with welded anchor bars.

Signage should be used to alert riders and advise them to use the ground anchors or support stands provided along with their own security hardware. All of the above issues could also be considered at dedicated parking facilities if a motorcycle bay is installed into an existing site.

CCTV

External warning signs should be installed all around the site stating that there is "MONITORED" CCTV recordings on site.

CCTV is not a universal solution to security problems. It can help deter vandalism or burglary and assist with the identification of offenders once a crime has been committed, but unless it is monitored continuously and appropriately recorded, CCTV will be of limited value in relation to the personal security of staff and visitors. That being said, the provision and effective use of CCTV fits well within the overall framework of security management and is most effective when it forms *part* of an overall security plan.

Developers of new commercial premises and managers of existing premises that are considering the use of CCTV must be very clear about the objectives they wish to meet and establish a policy for its use and operation before it is installed. It is important to seek independent advice before approaching an installer and to develop a comprehensive operational requirement for the system, which can be supplied to installers during the tendering process. An operational requirement will be used for the design, performance specification and functionality of the CCTV system. In effect, it is a statement of problems, not solutions and will highlight the areas that must be observed by the system and the times and description of activities giving cause for concern. A useful reference to help achieve this goal is the *CCTV Operational Requirements Manual 2009 ISBN 978-1-84726-902-7 Published April 2009 by the Home Office Scientific Development Branch*

The CCTV system must have a recording capability, using a format that is acceptable to the local police. The recorded images must be of evidential quality if intended for prosecution. Normally this would require a full 'body shot' image of a suspect. It is recommended that fixed cameras are deployed at specific locations for the purpose of obtaining such identification shots. An operational requirement must take account of this fact and decisions made as to what locations around the building are suitable for obtaining this detail of image. The recording of vehicle licence plates may also be practical and useful.

Whilst the location of cameras is a site specific matter it would be normal practice to observe the main entrance to the premises and the reception area. In high crime areas CCTV cameras may need protection within a vandal resistant housing. CCTV coverage is advised of any current areas of the site that are known by the staff to be problematic for criminal offences. Early discussions with an independent expert and potential installers can resolve a number of matters including:

- Monitoring and recording requirements
- Activation in association with the intruder alarm
- Requirements for observation and facial recognition/identification
- Areas to be monitored and field of view
- Activities to be monitored
- The use of recorded images
- Maintenance of equipment and the management of recording
- Subsequent ongoing training of operatives

CCTV systems must be installed to BS EN 62676-4:2015 Video surveillance systems for use in security applications.

The design of a CCTV system should be co-ordinated with the existing or planned lighting system for the buildings and the external grounds, to ensure that the quality of the lighting is sufficient to support the CCTV.

CCTV systems may have to be registered with the Information Commissioner's Office (ICO) and be compliant with guidelines in respect to Data Protection and Human Rights legislation. Further information is available at this website: www.ico.gov.uk

For guidance on the use of CCTV images as legal evidence see also BS 7958: 2009 *Closed circuit television (CCTV). Management and operation. Code of practice*. This document provides guidance and recommendations for the operation and management of CCTV within a controlled environment where data that may be offered as evidence is received, stored, reviewed or analysed. It assists owners of CCTV systems to follow best practices in gaining reliable information that may be used as evidence.

Remotely monitored detector activated CCTV systems must be installed in accordance with BS 8418: 2015 *Installation and remote monitoring of detector operated CCTV systems - Code of practice*

Intruder alarms

System designers may wish to specify component products certificated to the following standards:
Suitable standards are to BS EN 50131 or PD6662 (wired alarm system) or BS 6799 (wire free alarm system).

Security fogging devices can be incorporated within the intruder alarm system to disorientate the intruder when the alarm system is activated. They must conform to BS EN 50131-8:2009 Security Device Fog Systems.

Secured by Design

https://www.securedbydesign.com/images/downloads/SBD_Commercial_2015_V2.pdf

Applicants are encouraged to apply for *Secured by Design* accreditation for all new dwelling developments in order to achieve a recognised award for security standards. Please see the web link below for further information.

https://www.securedbydesign.com/services/sbd-awards

West Yorkshire Police encourages applicants to seek to build / refurbish a development incorporating the guidelines of ***Crime Prevention Through Environmental Design*** **(CPTED)** [1&2], together with ***Secured by Design*** **(SBD)**, a crime prevention initiative operated by the Police Service and supported by the Home Office.

The purpose of SBD is to guide and encourage those engaged in the specification, design and build industry into adopting crime prevention measures. Academic research by Huddersfield University has proven[3] that building to SBD standards, reduces the opportunity for crime and the fear of crime as well as creating safer, more secure and sustainable environments.

Established in 1989, *Secured by Design* is the title for a group of national police projects focusing on the design and security for new and refurbished homes, commercial premises and car parks as well as the acknowledgement of quality security products and crime prevention projects. It supports the principles of 'designing out crime' through physical security and processes.

Secured by Design works with the industry and test houses to create high-level security standards responding to trends in crime, and has given input on a number of key standards.

[1] Armitage R. (2013) *Crime Prevention through Housing Design: Policy and Practice*. Palgrave Macmillan: Crime Prevention and Security Management Book Series.

[2] Armitage, R. and Monchuk, L. (2018) What is CPTED? Reconnecting Theory with Application in the Words of Users and abusers. *Policing: A Journal of Policy and Practice*.

[3] Armitage, R, and Monchuk, L (2011) Sustaining the Crime Reduction Impact of Secured by Design: 1999 to 2009. *Security Journal*, 24 (4), p. 320-343.

Policy Guidance

The *National Planning Policy Framework (February 2019)*

Section 8. Promoting healthy and safe communities

91. Planning policies and decisions should aim to achieve healthy, inclusive and safe places which:

b) are safe and accessible, so that *crime and disorder, and the fear of crime*, do not undermine the quality of life or community cohesion – for example through the use of clear and legible pedestrian routes, and high quality public space, which encourage the active and continual use of public areas;

Section 12. Achieving well-designed places

127. Planning policies and decisions should ensure that developments:

f) create places that are safe, inclusive and accessible and which promote health and well-being, with a high standard of amenity for existing and future users; and where *crime and disorder, and the fear of crime*, do not undermine the quality of life or community cohesion and resilience.

Policy PLP24 of the Kirklees Local Plan 2019 supports the above statement and mentions that new developments should incorporate crime prevention measures to achieve:

Section (e). – "*the risk of crime is minimised by enhanced security, and the promotion of well – defined routes, overlooked streets and places, high levels of activity and well –designed security features*";

This report is submitted in the interests of crime prevention, and addresses our collective responsibilities under **Section 17 of the Crime and Disorder Act, 1998.**

Summary

Whilst there is no objection in principle to the application, West Yorkshire Police feel that the above recommendations would be beneficial to the security and safety of the site users. Therefore, it is advised that the points raised in this document should be implemented and any re-submitted plans from the applicant to be assessed by a Designing Out Crime Officer prior to a final planning decision.

Yours sincerely
Richard Thornton
Designing Out Crime Officer

Telephone Police Non-Emergency – 101
Kirklees Planning Office – 01484 221000

WEST YORKSHIRE POLICE

Secured by Design
Official Police Security Initiative

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