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ASDA Supermarkets have undertaken a review of their stock and are rolling out a national programme to increase the security of all their stores which have suffered significant security breaches and losses over the last 15 months. This document seeks to establish the need for increased security in relation to ASDA Supermarkets in respect of upgrading the existing security shutters on all stores. The report sets out the existing problem, detailed regarding the existing and proposed security shutters, benefits of the new shutters and the detailed specification.

OVERVIEW

Security Breaches

ASDA Supermarkets are strategically sited in areas to provide fast moving consumer goods convenience services to local area communities within catchment of the store location. It has been identified by ASDA that criminal gangs are targeting this profile of the store, due to the security vulnerability, during out of hours trading periods.

Over the last 15 months ASDA have suffered 94 unauthorised entries outside normal trading hours in their supermarket estate, at an average loss of per incident, of:

- £10,000.00 average stock losses
- £25,000.00 property damage costs

Accumulative cost/losses equating to circa £3,290,000.00 during this period.

It has been identified by ASDA that the target of these burglaries has predominantly been aimed towards the cigarette kiosks as these are high value, easily sold on goods. As a result of these burglaries Asda have spent £6.3million to increase and enhance security in these stores. These works include additional CCTV, panic alarms, Smartwater DNA Spray, security fogging devices and other measures to make these stores and our customers and colleagues more secure.

As part of the £6.3million ASDA have identified the below as key initiatives:

1. All stores are now linked directly to Asda House for 24 hour off site monitoring purposes. Though we have effectively identified threats to security as a result of this, the police are yet to attend site quickly enough to apprehend offenders as they are only on site in most instances for less than 3 minutes.
2. As a result of the end outcome of point one, we have identified that we need to slow the attackers down to allow the police more time to get to the site to arrest the offenders. In order to do this we are adopting two distinct initiatives.
 - a. To upgrade the existing specification of the cigarette kiosks on site, making it more difficult and time consuming for the criminals to access the stock.
 - b. To upgrade existing roller shutters to high security shutters; making it more difficult and time consuming for the offenders to gain access to the store.

Without the above initiatives; it is felt we will continue to suffer similar frequent attacks across the ASDA Supermarket estate and we cannot provide the police adequate time to attend to apprehend

the criminals. This in turn is not a sole benefit for ASDA as it is felt apprehending the criminals will reduce crime in the local vicinity as a direct result of measures implemented within this project.

SECURITY SHUTTER SPECIFICATION

Existing Shutter Summary

The existing/typical security shutters are formed from single skin galvanised steel plate, of a concaved design with a perforated mid-section and powder coated finish. This construction of shutter can be penetrated within 30 seconds using a mobile cutting device, effectively rendering the purpose of the shutter redundant.

Proposed New Shutter Summary

The proposed new security shutter are formed from twin skin aluminium lath with a steel reinforced anti-cut bar fitted within the mid-section of the lath. Due to the construction format of the protective curtain these cannot include a perforated section. This form of protective sheaf takes approximately 20-25 minutes to penetrate using the same method as above.

Benefits of Proposed New Security Shutter

1. Improved aesthetics of new powder coated shutter.
2. Increased out of hours security to the store
3. Automated shutter controls preventing manual operation and reducing health and safety risk to operators.
4. Entrance shutters and shutters covering fire escape can be linked to fire alarm system so doors can be opened automatically in the event of a fire allow emergency service access. Also staff will be able to secure themselves in the building [only in high risk areas] to carry out essential services.

Proposed New Security Shutter Specification

The shutter curtain and guides shall be manufactured using extruded aluminium section to specification **European Union Standard EN755-2 6060 T6**. The extruded aluminium section specified shall have a tensile strength of **230 Newtons per sq metre**.

Shutter curtains shall be specified as being twin wall lath complete with integral solid steel anti cut rod (8mm diameter) every alternate lath. Lath wall thickness to be a minimum of 1.35mm and 66.25mm connection joints, tolerances to BS 1474. The curtain will be finished off with a purpose made 73.3mm deep aluminium bottom rail section. Bottom rail section to incorporate a reinforcing leg ready to accept retro fit espagnollette locks. The shutters will have the last lath (50.25mm aluminium top lath section) pinned tangential to the barrel when in the closed position secured by M6 bolts and riveted nuts.

All shutters supplied shall be held within a single piece 90mm deep aluminium guide section, 4 mm ruling section, 8 mm back plate section. The design of the guides shall allow for the inclusion of sacrificial nylon runners or brush strips to ensure minimum metal to metal contact during operation.

Guides will be attached to the structure via a steel fixing angle. Angle specification BS 4848: Part 4 1986

Security shutters shall be made **lift resistant** to the criminal employment of typically levers, jacks and winches by installing internally mounted, electronically interlocked, bullet locks. All bullets to be suited, supplier to keep a record of key number and barrel details for future repair/replacement.

Bullet locks fitted to each Security Roller Shutter installed (exception main entrance / final exit).

The head plate shall be fixed to the fabric of the building using suitable fixings. The head plate shall be manufactured from mild steel to specification **BS EN 10025 S275JR (1993)**. These fixings shall be determined by the nature and fabric of the building being fixed to.

AESTHETICS & ENVIRONMENTAL IMPACT

Many of the ASDA Supermarket stores are not situated in areas of passing footfall traffic so the impact of any change in appearance is mainly to the advantage of visiting patrons.

ASDA Supermarket store are in most cases trading 364 days per year [closed Christmas day] offering access to FMCG service to local store users. The typical hours of trading, are:

Monday to Saturday	07:00 to 23:00
Sunday	10:00 to 16:00

During these trading periods the security shutters are not in use and therefore the store appearance and local aesthetics are not affected. When the store is not providing trading service the shutter will be descended to protect the stores most vulnerable aspects. The proposed new shutter are colour matched to the existing shutters so the only visible difference is that the lath [curtain] is flush as appose to concave and the shutter curtain does not have a perforated mid-section. Please note that as the security shutters are only descended during none trading hours and the store[s] terminate all illumination when not trading, the loss of none perforated lath section does not disadvantage the immediate surrounding areas.

Typical Before



Typical After

