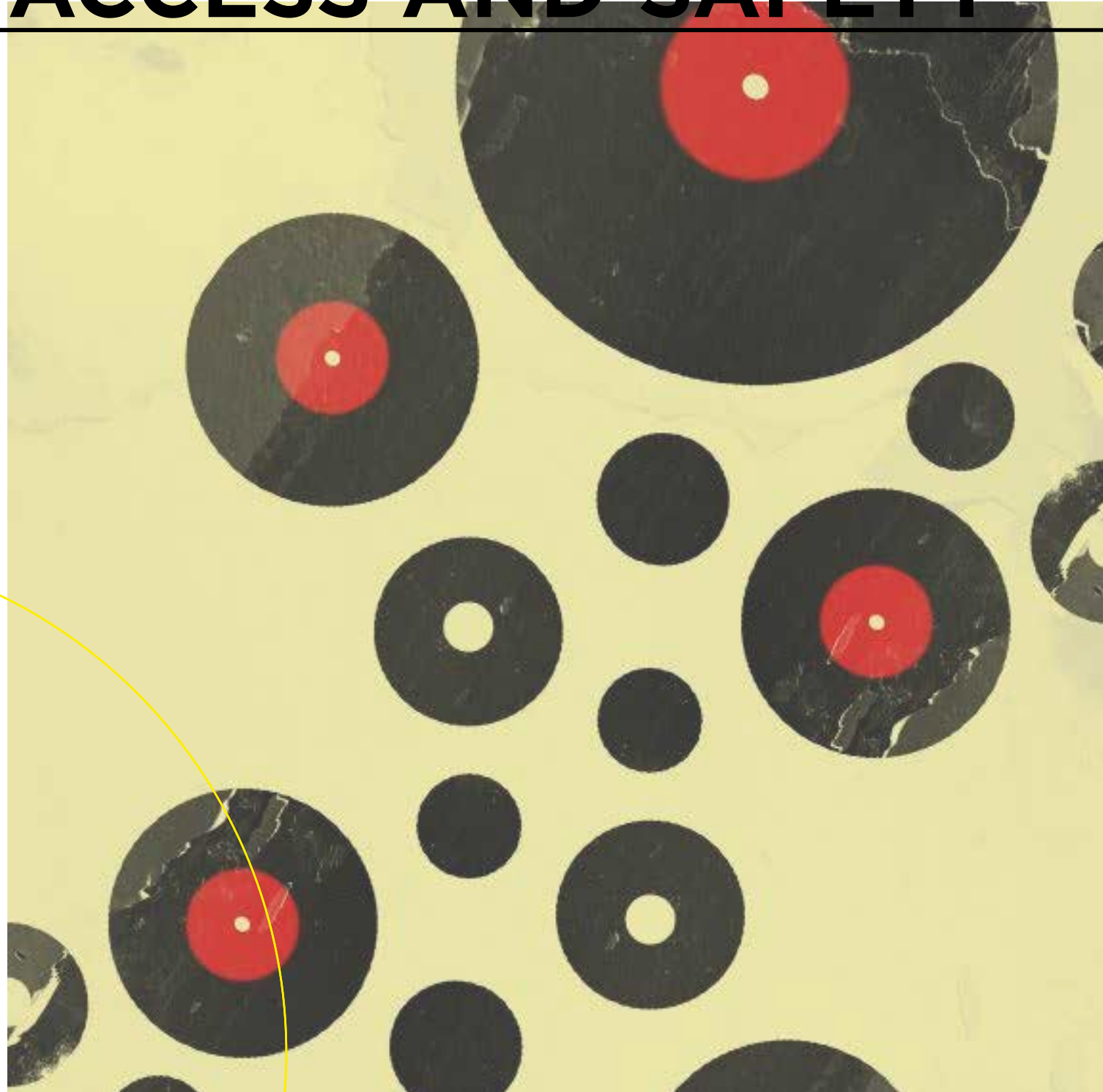


07 ACCESS AND SAFETY



Site access is with the pedestrian in mind - shared surface spaces allow vehicle access, with the onus on both the driver to be vigilant of their surroundings. The level access of a shared surface also allows easier movement for those with special access requirements such as wheelchairs and ambulant disabled.

07.1 EQUAL ACCESS

The shared surface of the masterplan allows easier access for people of all abilities. It is important that the project is made accessible to all with level thresholds, and free movement between floors via an elevator (size tbc). Throughout the whole project Part M compliance will be achieved with a close eye kept on the relevant British Standards and the Equalities Act 2010.

07.2 SECURE BY DESIGN PRINCIPLES

The design for the UTC has been developed where possible in accordance with 'Secure By Design' (2010) principles:

PUBLIC ENTRANCES TO THE SCHOOL SITE

The main entrance to the building has been designed to enhance natural surveillance of people entering the building.

Public entrances (both vehicular and pedestrian) to the school site have been kept to the minimum practicable, with the sighting of car parks and the drop-off points considered as a priority management issue for the school. All access points will be safe, secure and welcoming. Consideration has been given to the landscaping, type and height of planting and its future growth. Refer to '6.0 Integrating into the wider masterplan' and '2.0 Design Proposal' for more details.

BUILDING ENVELOPE PRINCIPLES

The following have been considered:

Materials that are vulnerable to climbing or forced entry have been avoided.

The building fabric has been designed to restrict access to windows and roofs by climbing.

The lower part of the external walls are of materials that are resistant to damage, vandalism and graffiti.

The choice of external materials and building layouts/design has reduced the possibility of severe damage due to arson.

ROOFS

The following has been considered as part of the roof design:

- Low or flat roofs have been used where they are appropriate. The roof design complies with the latest Health and Safety legislation and CDM regulations.
- The north lights above the atria have been designed for daylighting, ventilation and to be secure and inaccessible to intruders.
- Rainwater down pipes have been designed to be integrated within the envelop, to prevent them becoming a scaling aid onto the roof of the school buildings.

WINDOWS

The following has been considered as part of the glazing design:

- All ground floor and vulnerable windows, have been designed to prevent unwanted entry and minimise vandalism.
- Window sills have been designed so that they cannot be utilised as a climbing aid.
- Windows and glazing shall comply with Building Regulation N (Glazing), relevant Building Bulletin standards e.g. BB93 (Acoustic design).

EXTERNAL DOORS

The following has been considered as part of the perimeter door design:

- External perimeter doors have been designed to be secure and linked to the school intruder alarm warning facility.

- All external doors have been designed to have robust opening mechanisms for heavy use and have the ability to be securely left in the open position.
- All external doors have door posts with integral door stops and hold-open devices.
- External glazed doors shall be security glazed in accordance to recommendations of the Security Officer, insurers and the Building Regulations.

Recognising the multi-use nature of school building and the provision of facilities to the local community outside of school hours, the following have been considered as part of the internal layout design:

- The internal layouts enable the controlled access to parts of the school with the control of unauthorised access to vulnerable areas a priority.
- The internal layouts enable the controlled access to out of hours/ community use zone through a dedicated secondary entrance for security and building management purposes outside of core hours.
- Layouts are generally simple and have been designed to avoid hidden spaces and concentrations in circulation, especially in areas of high use at critical times of the day. The corridors and placement of staff offices have been sited to offer maximum passive supervision.

PERIMETER SECURITY

Secure line lies with the building outline and security fenced external seating area. Refer to '6.0 Integrating into the wider masterplan' and '2.0 Design Proposal' for more details.

SURVEILLANCE

All easily accessible areas of the UTC will have passive surveillance (i.e. be overlooked by windows from occupied rooms). Spaces that could provide concealment are not acceptable. Insecure areas will be fenced or secured and monitored in other ways, generally using cameras.

The design has considered the landscaping, choice of flora and its future growth to:

- Avoid hidden areas.
- Utilise planting as a security screen.

GENERAL SECURITY

The design of the school has followed 'Secured by Design' (<http://www.securedbydesign.com>) principles to achieve security for the site and buildings and to enable natural surveillance. This creates a sense of ownership and responsibility for every part of the development. Measures to create a safe and secure environment, which reduce the opportunity for crime and the fear of crime, have been incorporated throughout the school. These include:

- Security as an important consideration for individuals in the school and its interface with the public, fostering safety and promoting well-being.
- Traffic (both vehicular and pedestrian) on and off the site shall be easily monitored.
- Security solutions enable the management of day-to-day issues of site, student and visitor safety in a way which promotes openness and inclusion.

GENERAL OFFICE SECURITY

All stores containing valuable products have been designed for security.

General offices are lockable and secure.

All offices shall be lockable and part of the master key system adopted by the school.

Offices shall be located in areas of movement where they can be used for, and be protected by passive surveillance.

EXTERNAL LIGHTING

Refer to Landscaping and Site Proposals and Section 4.0 External Lighting for more details.

SITE LAYOUT

Refer to '6.0 Integrating into the wider masterplan' and '2.0 Design Proposal' for more details.

INTERNAL LAYOUT

There is to be one main entrance to the UTC for visitors, staff and students. It will be obvious and convey the sense of a coherent school and a major partner in the local community. The entrance will convey a sense of arrival and excitement. This reception shall provide a first point of contact for information and support. Overall the entrance has been designed to:

- Enable extensive use of fixed displays and interactive screens for pupils work and achievement and include advertising for current and upcoming events for the school, wider community and visitors to the site in a concise and easily discernible way.
- Minimise, as far as possible, draughts and heat loss caused by the constant opening of doors.
- Have all parts (i.e. the entrance area, and reception/waiting area) easily monitored by passive surveillance.
- Provide secure access from the reception into the school for visitors being escorted in to the building & use of security barriers.
- Include doors/ matted areas designed and installed in accordance with the Part M Building Regulations.

VEHICULAR ACCESS

Refer to '6.0 Integrating into the wider masterplan' and '2.0 Design Proposal' for more details.

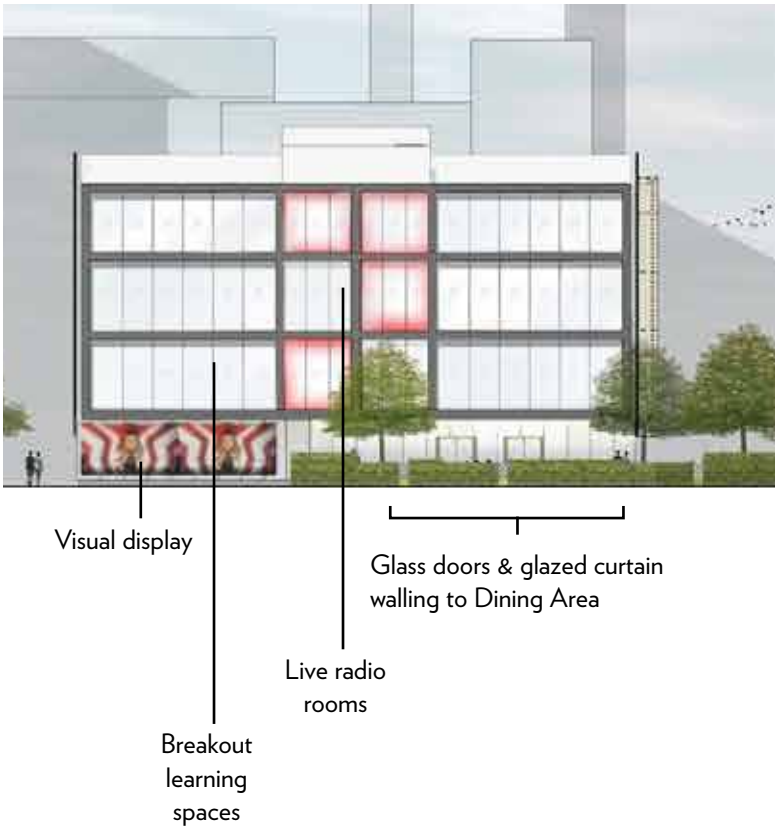
IRRIGATION

Refer to '6.0 Integrating into the wider masterplan' and '2.0 Design Proposal' for more details.

07.2 ACTIVE FAÇADES AND VISUAL PERMEABILITY

GF active areas visible from street level

Powerhouse Lane Elevation



Blyth Road Elevation (north)



The Groove Elevation (south)

