‘SECURED BY DESIGN’ STATEMENT

Vocational Learning Centre

at

Manor School and Sports College

for

East Northamptonshire Partnership

prepared by

Peter Haddon and Partners Architects

June 2008
Manor School and Sports College Site is located on the east side of Raunds and covers a total area of 6.2 hectares. The site fronts onto Mountbatten Way and is primarily bounded by residential housing to the north and west with Saint Peter’s Junior School and clay works to the east and relatively open aspects to the remainder. The building campus area is located at the north-west end of the site and covers an area of 1.3 hectares.

Vehicle and pedestrian access to the site is from Mountbatten Way. Additional staff parking and service vehicle access is also available from Park Street.

Current security measures comprise:

- Palisade security fence and gates to full perimeter of the building campus.
- CCTV camera coverage to majority of all external areas including full perimeter of site entrance and building surround together with inside main buildings.
- Lighting to external areas controlled as appropriate via a combination of time switches and solar controls.
- Intruder alarm system.

All existing security systems will be extended to include the proposed new building and associated external surround and approaches. The building is within the existing secure fenced area.

Construction site security will be required by the Main Contractor to include:

- Erection of security fence with controlled access to Contractor’s designated site area.
- Principal Contractor to ensure that only authorised personnel and subcontractors are employed and gain access.
- Representative of the Principal Contractor to be permanently on site during working hours.
- All materials to be secured and where possible enclosed within Contractor’s site area.

In developing the design for the new facility, the following principles were used:

- The building was required to be openly accessible from the existing building campus with no obvious defensive measures such as gates, fences, warning notices, etc. Security protection is therefore provided within the building envelope and security fence to site.
- The building has a simple rectangular plan form thus avoiding recesses and places of concealment.
- Path approach to the building is visible from the Reception Office. Any planting will be restricted to low level varieties. The path approach and building perimeter will be illuminated with automatic switching.
- External doors are kept to a minimum. Access is gained through a single entrance of power operated sliding doors with automatic sensors and security access control. This outer control is also linked to the secure Reception Office with separate switching to the inner Reception doors thus creating a secure waiting area visible from the Reception Office. All external doors will be alarmed within the building intruder alarm system.
- Internal doors to rooms containing high value equipment, typically kitchen and computer suite will have controlled entry via electronic keypad security system.
- The building is single storey with a 3.5m high façade of panels with flush joints. The flat roof projects some 2.0m beyond the wall face with circular column support at mid depth of overhang creating a covered walkway to the building perimeter. This combination creates an inherently un-climbable profile to the full perimeter of the building.
- The roof will be similarly robust, constructed of profiled metal composite panels. Rooflights will be high security specification of welded metal frame construction with polycarbonate glazing incorporating ‘lock bolt’ security opening for ventilation.
- Windows will be specified to ‘enhanced security’ standards to BS 7950. Windows are positioned at various levels within the single storey. Opening casements are limited to standard height and high level windows and will be fitted with security restrictors. Low level glazing will be laminated.