



Description

- ◆ Replacement of the outdated 1950s guardroom with a new more comfortable modern £4m, 553m² secure entrance building and vehicle entrance
- ◆ Gatehouse building including reception, pass office, CCTV monitoring, interview and search room, crisis control room, custody space, secure exercise yard, armuory, staff rest room, and changing facilities
- ◆ Secure vehicular access with search lane, space for aircraft display, space for safe pedestrian movement zones, parking, secure barrier, blast zone planning and blockers
- ◆ Designed to Defence Estates Standards and Joint Service Publications
- ◆ Modification and diversion of existing site infrastructure to accommodate new entrance layout
- ◆ Designed to accommodate Military of Defence Security Standards applicable to a primary entrance to a major facility

Involvement

- ◆ Load estimates, infrastructure review and site diversions to accommodate the works
- ◆ Detailed design of building mechanical and electrical engineering services, including full production of detailed design information, thermal model, and energy calculations
- ◆ Develop detailed design, environmental approach and energy strategies to meet DREEAM requirements and providing evidence to achieve DREEAM accreditation
- ◆ Design incorporated secure systems to provide Communications and Information Systems (CIS) requirements compliant with the military network
- ◆ Undertook quality control inspections of mechanical and electrical installations during the progress of the works and validation of the facility
- ◆ Provided full commissioning monitoring and proposals for carrying out the commissioning and reviewed the results of the works commissioning

Benefits Delivered

- ◆ Detailed spatial co-ordination in a highly serviced building
- ◆ Delivery of the highly technical scheme to meet limited budget constraints through collaborative risk, value and opportunity workshops
- ◆ Identified a strategy to maintain the operation of the existing gatehouse whilst the replacement facility was being constructed and brought into service
- ◆ Provide comments on the submitted building engineering services tender return. Validated the legitimacy and value of contractor submitted variation costs
- ◆ Worked with the specialist security company to meet Communications and Information Systems (CIS) brief
- ◆ Development of external feature lighting to display area at front entrance
- ◆ Set-up and managed defects control and monitoring system to assist in eliminating defects to the end user