

Northamptonshire Record Office



A minimum design life of 100 years was a requirement for the new Record Office and Emergency Control Centre. This necessitated careful consideration in the selection of materials and a very high standard of workmanship.

The archive documents require a stable environment, including a temperature of between 13°C and 18°C and a relative humidity of between 55% and 65%.

To achieve this level of specification, a heavyweight construction was used providing a high thermal mass. Concrete columns were used to support the ribbed concrete floors. The thermal mass of the structure minimises the effect of external temperature changes on the internal environment.

BCAL were entrusted with the structural design of this demanding and complex project.



Client :

Northamptonshire
County Council

Architects :

NCC and DCM
Partnership

Contractor :

Midland Oak Construction

