

Structural Investigation - Case Study

Arthur Stanley House, London

Appointed by a Consultant Engineer to structurally investigate an eight storey, reinforced concrete framed building.

The building was to be partly refurbished for the relocation of the Microbiology and Virology Departments of the University College London.



The aim of the investigation was to produce factual structural information on the building to determine the form of construction, element sizes, strength of the concrete and highlight any structural anomalies which may cause concern for the proposed refurbishment.

Areas investigated included the sub-basement, basement, ground floor, fifth and seventh floors and the roof.

Investigations included destructive and non destructive methods, including wet diamond coring, schmidt hammer rebound testing, cover meter survey and pull-off tests.

Destructive areas of testing were structurally re-instated.

'As-built' drawings were not available for the building and so a full set of AutoCAD drawings were produced for the Design Team to utilise in their design of the building.

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