



Structural – 5 Aldermanbury Square, London



Project details:

5 Aldermanbury Square is an eighteen-storey replacement for Royex House, which had occupied the site since 1962. Eric Parry's scheme uses 34-metre deep, rectangular floor plates. The plates are designed to cater for open or cellular office accommodation equally. Deep plan space has been minimised to provide maximum flexibility and efficiency in planning fit-out arrangements. A steel frame with composite lightweight concrete floor slabs is founded on conventional bored piles with a reinforced concrete basement structure and retaining walls.

In an attempt to reduce the visual mass of the building, two recesses have been introduced, one in each of the North and South elevations. This gives the impression of two slab-like wings linked together. Around the perimeter, columns have been pushed out slightly beyond the building, giving an impression of depth to the elevation. The Eastern part of the site is incorporated into a new hard landscaping scheme for Aldermanbury Square, also by Parry.

Lytag[®] Lightweight aggregate concrete was used in the structure for weight reduction on the metal decking. In the external hard landscaping areas lightweight aggregate was used for weight reduction and hydraulic conductivity.

The scheme gained the 2008 BCO Award for National and Regional Commercial Workplace. The project was also shortlisted for the RIBA Sterling Prize 2009.

Project:
5 Aldermanbury Square,
London

Date:
2004 - 2007

Client:
Scottish Widows Plc

Architect:
Eric Parry Architects

Structural Engineer:
Ramboll Whitbybird

Main Contractor:
Bovis Lend Lease

