



Structural – Barclays Bank, Canary Wharf



Project details:

1 Churchill Place, Barclays Bank, comprises 4 basement levels and 34 stories above ground level and has plan dimensions of approximately 75 x 65m. It is approximately 150,000 m² and rises to 161.5 m.

The BP1 tower was the first tall building in the UK, post 9/11, to be designed and constructed taking into account enhanced security and robustness in structural design issues.

Lightweight concrete was used primarily for weight reduction. The superstructure, apart from the cores, is steel framed with composite deck slabs that utilise lightweight concrete. Lytag[®] 4-12mm (now 4/14) lightweight aggregate was used in C50 structural concrete.

Project:

Barclays Bank, Canary Wharf

Date:

2003

Client:

Canary Wharf Contractors

Architect:

HOK International

Structural Engineer:

WSP Cantor Sienuk

Main Contractor:

PC Harrington

