



Basement in London

Value: £30m

Architect: SHH

New build private residential scheme incorporating a two storey basement on a constrained site. Rob has developed a structural scheme and construction sequence for the basement works which allows safe excavation of the basement whilst limiting ground movements to ensure surrounding properties are unaffected. The basement scheme has also been designed to incorporate a degree of safeguarding to allow flexibility in the superstructure which, due to the phasing of the project, is still under development.

Heathrow East Terminal 2A – Tunnel Analysis (Arup)

Project manager for the ground movement analysis assessing the LUL and baggage tunnels beneath the new Terminal T2A building at Heathrow airport. Rob also led and delivered a number of tunnel condition surveys in operational environments, This included 1.5km of the Piccadilly Line tunnels including accessing two pump shafts which required confined space training and the T1 to T4 baggage tunnel.

Canary Wharf Crossrail Station, London 2009-2011 (Arup)

Value: £500m

Architect: Adamson Associates

Analysis and design of the internal structure of this underground train station built in the dock at Canary Wharf. Rob developed a solution to incorporate temporary movement joints into the internal walls to allow early construction prior to completion of the construction induced sway of the station box which cut 10 weeks of the construction programme.

Rob Nield, Associate

CEng MEng (Hons) MIStructE

Rob graduated from the University of Manchester with a first class honours degree in Structural Engineering with Architecture and was the 2011 IStructE Young Structural Engineer of the Year Runner-Up. Upon graduation in 2005 he joined Ove Arup and Partners where he gained valuable experience in the design and construction of a variety of projects with leading architects both in the UK and abroad across the commercial, retail, education, rail and aviation sectors. Whilst at Arup Rob worked on projects including Kuwait International Airport Terminal II, Canary Wharf Crossrail Station, Heron Tower and also spent one year as Resident Engineer on site at One New Change.

Rob joined Webb Yates Engineers at the beginning of 2012. He is currently leading a team working on a number of schemes including a £9m residential façade retention scheme with a large basement excavation, a £30m residential scheme with 2 storey basement and the Sainsbury Bridge, a cable stayed footbridge for the garden of a private client.

Rob is highly competent with the analysis and design of all primary structural materials. He is able to produce efficient and economic solutions which fit the clients brief and the architectural aspirations. Rob is a Chartered Member of the Institution of Structural Engineers and has won a number of awards for excellence in structural analysis and design.