

Philip Henry, MEng CEng MICE

Key Data

Philip is integral to the Croft Structural Engineering Team. Phil is an Associate within the company and has been with the company since August 2005.

He fills a role of Structural Design Engineer responsible for project running, scheme design solutions, structural design and detailing. As a Chartered Engineer Phil provides a variety of roles:

- Technical design and advice
- Concept designs
- Overseeing of engineers working on projects within his charge.
- Surveys and advice to clients

Philip graduated from Heriot-Watt University in June 2001, with a Masters degree in Civil Engineering. Philip was accepted as a full Member of the Institute of Civil Engineers in November 2008, achieving Chartered Civil Engineer status.

Prior to working with Croft he was employed as a Graduate Engineer for TPS Consult from July 2001 – August 2005.

Relevant Experience

Foley Road (July 2011 - September 2013)

Philip was responsible for the structural design of this new housing project built to Passivhaus standards.

Christ the King SFC, Lewisham (January 2011 – August 2012)

Structural engineering design of a single storey roof extension and internal alterations on an administration area of the school building.

Princes Mews (January 2011 – June 2012)

Complete refurbishment of this domestic dwelling, including additional storey above and below existing mews house.

Forest Ridge (February 2007 – June 2009)

Refurbishment & renovation of a Georgian detached house in Chelsea. The project had particular difficulty forming new retaining walls while keeping the public road in use.

Rosscourt Mansions (March 2007 – June 2009)

Design of a lightweight steel frame structure to form a new storey on an existing 6-storey tower block on Buckingham Palace Road.

Palace of Westminster (April 2005 – July 2005)

3-dimensional design of a bridge and roof structure in stainless steel for the new visitor reception building.



Position:
Associate

Year of birth:
1978

Nationality:
British

Languages:
English

Professional Qualifications:

- ◆ Chartered Member ICE
- ◆ MEng Civil Engineering
- ◆ Security cleared to UK and NATO secret

News International Print Works (April 2005 – August 2005)

3D modelling, draughting and design of the 150m long, 26m high print hall for the plant at Knowsley, near Liverpool.

Coltishall RAF (February 2005)

Health and safety closure risk assessment on the Royal Air Force base.

Bicester Accommodation Centre (August 2003 – May 2005)

Involved in the structural design of the amenities centre, hearing centre and sports centre at the Bicester Accommodation project.

3D modelling and design of 2-storey sports centre with 30m x 15m Sports hall and gym facilities in structural steelwork with precast concrete flooring.

Oxford Radcliffe Hospital (June 2003 – July 2004)

3D modelling and design of 3-storey steel and precast concrete link structure, particularly susceptible to wind loads due to site constraints.

Woolwich Royal Military Academy (October – November 2002)

Health and safety closure risk assessment on the 200-year old buildings.

National Assembly for Wales (June – September 2002)

Philip was involved in the project management of the team completing the design audit on the new National Assembly building in Cardiff Bay, Wales. His work involved producing the Project Execution Plan and organising weekly audit reviews. He was also involved in producing the Risk Register and putting together the Preliminary Tender package.

University of Hertfordshire (July 2001 to September 2002)

Responsible for the structural design of the sports centre for the University's new De Havilland campus.

The building consisted of a 30m by 30m swimming pool, a 30m by 25m fitness hall, a 35m by 55m badminton hall, as well as a 75m by 20m refectory. The structural design included large span steel trusses covering the swimming pool and badminton hall, and beams, columns and cantilevers in steel.

The first floor, which included administration offices and viewing areas, was designed as precast slabs supported on steel beams. The ground floor was part suspended and part ground-bearing reinforced concrete slab. Philip was also responsible for change control and site requests for information and checking the structural steelwork shop drawings.

Phil was also involved in the design of the reinforced concrete foundation design and masonry wall design for the 3-storey accommodation buildings on the new campus.

Additional Responsibilities:

Manage Health & Safety for the office Premises