

### **BWP Architects Ltd:**

Established in 2003 and with studios in Surrey and North Yorkshire Award Winning BWP Architects have successfully undertaken and delivered on projects all across the country from Northumberland down to the south coast and as an RIBA Chartered Practice **BWP Architects** can handle all aspects of your project. The ability to design individual solutions for each client and for each scheme together with a firm understanding of construction detailing, contract administration and an ability to achieve planning permission where others have failed has attracted many of our clients. A consistently high quality of service ensures many recommendations and repeat work from both private clients and developers.

### **BWP Architects, Farnham:**

The Farnham studio is headed by architect Leigh Brooks MVO, RIBA.

Leigh Brooks completed his architectural training under the personal tutelage of eminent architectural historian Professor James Stevens Curl in 1995 after which he spent eight years working for a London practice as Project Architect and Senior Associate on numerous highly prestigious projects including the award winning works at Gonville & Caius College, Cambridge and the Brownsword Market Building in Poundbury. In January 2002 Leigh was awarded the Member of the Royal Victorian Order (MVO) by HM Queen Elizabeth II in the 2002 Jubilee Honours List for his work as Project Architect on the £25M Extension and Remodelling of the Queen's Gallery at Buckingham Palace.

As the director running the Farnham studio, Leigh's clients have included Sir Stephen & Lady Lamport, Sir Peter & Lady Wakefield's family, Tkei Homes Ltd, Gold Property Developments Ltd, Prism Homes Ltd, Solo Surrey Ltd, The Field Lane Foundation, Persimmon Homes Yorkshire, EConvery Developments as well as a large number of private clients designing bespoke homes.

In 2014 BWP Architects designs for a new contemporary home in Farnham for a private client won an award in the UK regional stage of the prestigious International Property Awards 2014-15 and was runner-up in the Peoples' Vote in Waverley Design Awards 2015 for the 'Best New Building.'





## Clients and Relevant Experience:

BWP Architects primary workload is the design and construction of residential properties from new build homes and modest remodelling projects for private clients to small scale projects of up to ten units for developer clients.

## Design Approach and Methodology:

BWP Architects do not have an “in-house” design – we believe instead that each client and each site is individual. Every project has bespoke designs tailored to the client’s needs, desires and budgets.

Drawing on a wealth of experience in both traditional and contemporary designs we are able to provide solutions that can take key elements

### 3D Modelling:

To assist clients in visualising their projects at the design stage we work with 3D computer models as we understand that these can offer much more information about the design than looking at flat plans or elevations. These models can be used to explore both massing

By working with computer aided design software (CAD) from the outset of the project we can produce highly accurate scaled sketch plans. These are invaluable when considering the initial options for a project. As the design process evolves it is possible to make modifications and multiple revisions quickly and efficiently to get to the best design for you.

### Geosynchronising, Shading and Sunlight:

Other significant benefits of 3D modelling allow the use of the latest software to place our model of your project on to its exact geographical location and show how the light will penetrate the interior at any specific time of day or date in the year. This can also take into account the surrounding trees, landscaping features and adjacent buildings to give you detailed images of the interior and exterior of your new building. This same system allows the prediction of external shadowing onto the site and to and from adjacent buildings. Other software we use will predict the Annual Probable sunlight Hours and Daylight Factors for individual windows to ensure that they meet the requirements of the BRE Guidelines on minimum daylight levels.





## Sustainability:

Sustainability in design is becoming ever more prominent in both the minds of our clients and the regulation makers at all levels from European down. However, these regulations are very complex and often require a far more comprehensive response than a token solar panel on the roof.

‘Insulate Right and Ventilate Tight’ is by far the best approach to creating a sustainable design. By reducing the energy demands of a new home at the outset reliance on expensive renewable technology can be reduced.

The air-tightness of a building is a key factor in amount of energy required to heat it. Building Regulations default to 10 air-changes per hour whereas Passivhaus standards require this to be below 0.6. Highly air-tight buildings are not the preserve of timber-frame or SIPs constructions however and careful detailing and specification can achieve excellent results with more ‘traditional’ build methods. Highly air-tight buildings bring with them other issues that need to be properly considered, such as fresh air! The use of whole house ventilation systems with heat recovery will ensure fresh air throughout the home and can also extract heat from the exhausted air.

We look at all aspects of sustainability from the outset of a project starting with the orientation down to the location of air-tightness seals. We can also advise you about where materials are sourced from; whether from a local source or transported greater distances with associated financial and environmental costs. Some materials are themselves recycled or bi-products of another industry such as pulverised fuel ash recycled from power stations for use in concrete mixes.

We can discuss with you the pros and cons of installing energy saving features such as solar thermal systems or ground source heat pumps but we will also ensure that you have considered the more basic measures; loft insulation, double and triple glazing, draft proofing etc which can make an enormous difference with relatively minimal outlay.

In the last few years we have been involved with some highly sustainable designs including a new Passivhaus for a private client, projects utilising ground source heat pumps, earth sheltered homes, schemes with large arrays of PV panels (one home included 72 PV panels) as well a recent scheme using Water Source Heat Pumps to heat a new home by a lake.

## Contact:

BWP Architects Ltd  
10, Borelli Yard  
Farnham  
Surrey  
GU9 7NU  
t: 01252 821114  
e: [studio1@bwparchitects.com](mailto:studio1@bwparchitects.com)  
w: [www.bwparchitects.com](http://www.bwparchitects.com)

