

# WATERFORD WICK - HERTFORDSHIRE

## Net Zero Carbon Homes

Project: Waterford Wick, Hertfordshire

Company: Frame Build UK

Sector: Residential

Technology: Timber frame

Sustainable homes are the focal point across the industry, Waterford Wick a development of 8 low running cost, net-zero carbon homes fully demonstrates what can be achieved with forward planning.

Designed to showcase the benefits of low-cost living whilst in a high-end exclusive surrounding, Waterford Wick breaks the trend achieving a net zero carbon build with timber frame being the fabric first approach to achieve this goal.

FBUK were specifically chosen to deliver their high performance thermally efficient timber frame system. This system was designed, manufactured, and delivered from a purpose build facility in the heart of Yorkshire.

Utilising decades of experience in MMC, FBUK were able to deliver this innovative scheme to the clients exacting requirements, achieving higher thermal standards than what is required by current building regulations. FBUK ensured this by manufacturing a high-performance frame including insulation, membranes, sealants and additional battens all to achieve a BBA approved external wall u-value of 0.10 W/m<sup>2</sup>K guaranteeing the build performance for the client.

The system was manufactured off-site in a controlled environment with quality checks at each stage ensured that on site install was seamless. The precision cut millimetre perfect system was installed

in just 8 weeks for all 8 plots. This was achieved by building two adjacent plots at the same time reducing deliveries, quantity of cranes and labour required on site. All with a mindset of less carbon emissions and reducing impact on the local community.



