

CASE STUDY



Shropshire Street, Market Drayton

Located in Market Drayton, a popular North Shropshire town on the Staffordshire/Cheshire borders, this small development of three dormer bungalows offers flexible living accommodation and demonstrates the versatility of timber frame construction.

Comprising:

- Entrance hallway, dining room
- Lounge with fireplace and wood burner
- Breakfast kitchen and utility room
- Four-bedrooms, one with attached dressing room
- Two ensembles and family bathroom
- Double garage and generous garden
- Rainwater harvesting system



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With two bedrooms on the ground floor and two on the first floor within the roof void – the innovative design maximises the available space. The design aspiration was delivered by using Frame Technologies™ adaptable timber frame solutions.

The roof construction was paramount to create ample space to accommodate two ensuite bedrooms. By forming the roof from glulam timber purlins and loose rafters, ensured that every possible inch the roof space could be fully utilised. The external design belies the space within and each dormer bungalow sits neatly within a sizable plot, in keeping with the surrounding area.

The 140mm timber frame complete with Posi Joist floors permitted the seamless and efficient installation of services through the floor without the need to drill and notch.

Due to access restrictions and limited space onsite, the structural frame for each plot was delivered on a rigid lorry. 'Just in time deliveries' mitigated any onsite storage issues and ensured the frame was installed in prime condition.

The Posi Joist floors were delivered on the second day of the build and installed with 22mm chipboard flooring. By day four, the first floor panels were erected, ready for the roof installation start. Each plot was erected in seven to eight working days and ready for roof coverings to be installed.

Timber is a major part of the offsite construction methodology and achieves greater consistency and quality of design. Frame Technologies™ timber components are created in a factory controlled environment, giving vastly improved levels of project efficiency, with low levels of construction waste, together with faster, safer onsite working practices. Timber delivers an adaptable, cost-effective, structurally stable, aesthetically pleasing and precision engineered low carbon building.



"Through a flexible approach and a wealth of experience gained over two decades in the industry - the team at Frame Technologies™ can help at every stage of the design and construction journey."

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