

Energy Efficient Starter Homes

Client: Private Client

Client Sector: Affordable Housing

Project Type: Supply & Erect

Description: 5 One bed starter homes

Location: Ollerton/Boughton, Notts



TEK Delivers Sustainable, Affordable, Energy Efficient Homes

➤ The Challenge...

- Achieving an affordable and energy efficient building solution for 1 bed starter homes in North Nottinghamshire
- Develop a modular building system capable of being repeated and rolled out at a fixed superstructure cost
- Improve the speed of build

➤ The Solutions...

Introduced the TEK Building System (Structural Insulated Panels) as a system that could deliver:

- Faster build times
- High thermal performance and energy efficiency
- Design flexibility
- A standardised modular design

Worked with the client to develop a solution that optimised the benefits of the TEK Building System

Designed and Engineered the superstructure and advised on the best foundation solution for the project (insulated beam and block)

Provided SAP Calculations for the pilot project

Supply and erection of the full TEK wall and roof solution maximising space utilisation with the room-in-the-roof option

➤ Key Achievement & Benefits...

- High specification affordable homes with excellent thermal performance
- Raised the bar in terms of quality standards that can be achieved for starter homes
- Full build of pilot scheme delivered in 18 weeks (future phase 15 weeks)
- Low energy bills

➤ Key Lessons...

Being involved early in design development process enabled us to develop the product and deliver real value for the client

Demonstrating that MMC can deliver affordable, good quality homes

Standardising and modularising optimised costs and design

To find out more about this case study:

CONTACT US

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