

DTE case study

RAMSIDE ESTATE

Project

Ramside Estate

Location

Carrville, Durham

Client

McCarthy & Stone

Product

Attic Roof Trusses with Posi-Joist bottom chords

Value

£10.5K for 350m2 on plan

Ramside Estate is an exclusive development of six luxurious houses in the North East of England.

For this project, T.Fleming Homes Ltd specified attic trusses using Posi-Joist bottom chords, which was a first for DTE.

This method offers a number of benefits, including longer spans and the ability to install more insulation, aiding the overall construction's thermal performance. However, the advantage which was of most interest to the client was the ease of installing plumbing and electrical services.

Richard Simmonds, Technical Director of T.Fleming Homes, explains: "During discussions with one of our clients, they raised the problem of running services through the floor joists. The obvious solution was to use Posi-Joists, however the second floor really needed an attic style truss.

"We simply asked roof truss designer Paul Honeyman at DTE Buckhaven if he could design us an attic truss using a Posi-Joist as its bottom chord, and we were delighted that Paul managed to get a design to work. Our client is very happy that we have provided them with a solution to the problem of running services through all floors in their build."

The final roof structure comprised attic trusses with Posi-Joist bottom chords and raised tie trusses with cat-slide rafters. The DTE team produced all of the attic trusses for the project in under a day on the Buckhaven Birch table press.

Callum Henderson, DTE's Business Development Director added: "This attic truss system has been around for a few years now but interest is definitely growing, particularly in the luxury housing market. It's a cost effective solution, with many advantages, so I think this has the potential to be a very popular system."

