

Elmsall Barn Conversion



Location:
Sinnington, North
Yorkshire



Architect:
Bramhall Blenkarn
Leonard



Civil Engineering

Structural
Engineering

Building Consultancy

Geotechnical and
Geoenvironmental
Engineering

Project Management

Specialist services

The project involved the conversion and extension of a derelict barn and yard space.

The barn has seen successive changes over time, and this proposal was a continuation of earlier approved schemes, which aimed to restore the original elements of the building through removal of later additions. The site also fell within a local Conservation Area.

Description of the Works

Alan Wood & Partners were commissioned to undertake a structural review of the main barn along with alterations to the floors/walls including the design of the supports to a cantilevering feature stone spiral stair and integral fire.

Engineering and Design Factors

We designed the portal frame extensions (including large bi-folding doors, celestial ceilings) along with their foundations. Alan Wood & Partners also undertook the design of the drainage and outdoor pool. A series of steel portal frames were designed for the main kitchen extension and external pool building / office complex. Alterations to the existing timber trusses within the main barn were undertaken in order to improve flexibility of the dwelling space.

The overall impression is a group of buildings, which would be typical of agricultural complexes through the region. The result is a striking new house widely admired across the county.

Core services

Civil Engineering / Structural Engineering