



## Sustainable specialist self-build multi-generational home - 'Cornerways'

Design company name: **One50studio Limited**

Build company name: **Ken Biggs**

Project location: **Westerleigh, South Gloucestershire**

Project completion date: **2022**

Budget: **£1 million**

### Project brief

Cornerways is a self-build project created as a long-term solution for three families across three generations, enabling shared living and mutual care. A key part of the brief was to provide a supportive environment for one grandchild with Autistic Spectrum Disorder. The scheme delivers three new homes - two four-beds and one three-bed - arranged with a mix of private and shared outdoor spaces.

The rural site, outside the settlement boundary, presented a complex planning context that required two separate applications. The first secured permission to repurpose the existing Victorian nursery building; the second established the principle of a third new dwelling to the north. This process involved presenting a Case for Special Circumstances, ultimately acknowledged by the planners as a justified and sensitive response, falling under limited infill within the village.

One50studio led the project from planning through construction, coordinating the contractor and supporting the families throughout. Completed in November 2022, this project has informed our approach and desire to be proactive designers in all forms of specialist housing for young adults with neurodiversity and complex needs; and has led to our emerging commitment in this area of work with Bristol City Council.

### Sustainability features

- High-performing timber-frame construction targeting near-Passivhaus specification
- Air Source Heat Pump (ASHP) and south-facing PV solar panels reduce operational energy
- Repurposing of the Victorian nursery and reuse of materials lowered waste and embodied carbon
- Design decisions guided by Passivhaus methodology to ensure comfort and affordability

Find out more: [www.one50studio.com](http://www.one50studio.com)

