

selfbuild

Whatever the style or size, your timber frame home is tailor-made to suit your own individual needs and requirements.



Putting timber in the frame

Express your individuality by designing your new home without compromising on style or features. Choose the size, shape and number of rooms, kitchen and bathroom layouts, details such as architraves, the position of doors and windows, even the exterior finish is up to you.



Frame UK

Frame UK is a specialist manufacturer and supplier of "Open" and "Fully Insulated" Timber Frame Structural Panels, Roof Cassettes, Roof Trusses, Feature Trusses, Glulam Portal Structures, Frame Web floor Joist system to mention a few. Our extensive product range enables our clients to source the complete package from a single company.

Background

Established in 1974, Frame UK have built an enviable reputation in the design, manufacture and construction of environmentally friendly and thermally efficient quality timber frame buildings and associated products with specifications and packages tailored to meet requirements and budgets.

An increase in demand for timber frame buildings has resulted in Frame UK investing over £4 million into a 95,000 sq ft fully automated factory on a 4.5 acre site. With two fully automated production lines and a third line commissioned, Frame UK will have created one of the largest timber frame manufacturing plants in the UK.

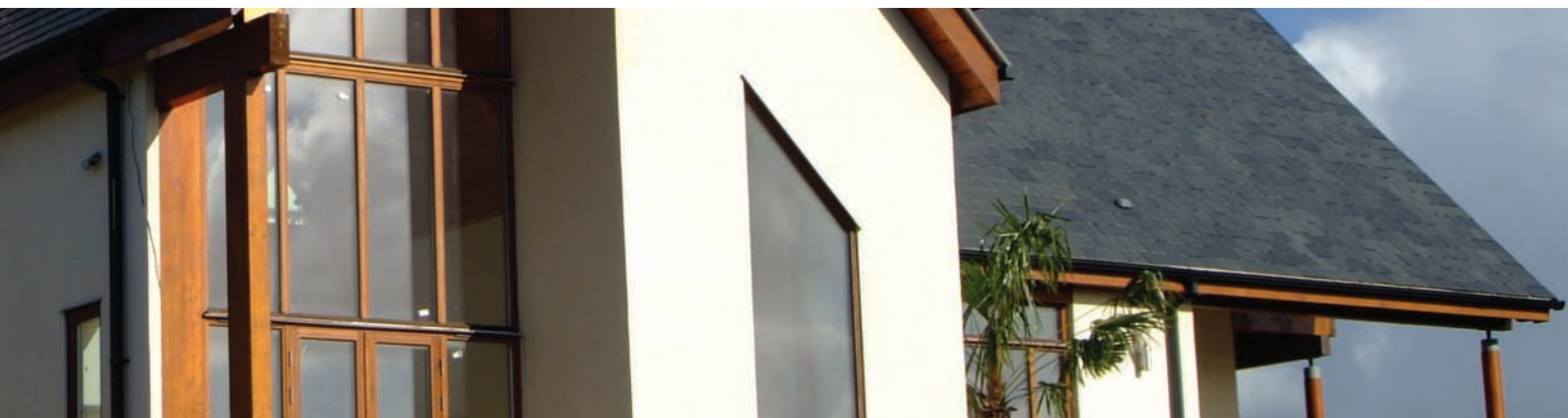
Quality

The Quality Assurance within the timber frame industry in the UK is administered by TRADA (Timber Research & Development Agency). Frame UK operates the "Q Mark Plus" system which is independently audited by TRADA, which incorporates both full ISO 9000:2000 certifications. The TRADA "Q Mark" provides the timber frame industry with a quality assurance scheme with inbuilt design, product and site erection conformity checking unrivalled by any other building method.

"Q Mark Plus" is an advanced quality assurance scheme that represents the 'gold standard' for the industry and is the level to which only a few manufacturers have aspired to.

Environment

Frame UK has long adopted the Chain of Custody systems and is accredited by both internationally recognised bodies PEFC and FSC. The procedures are integrated into our own management system providing our clients with clear evidence of certified timber products.



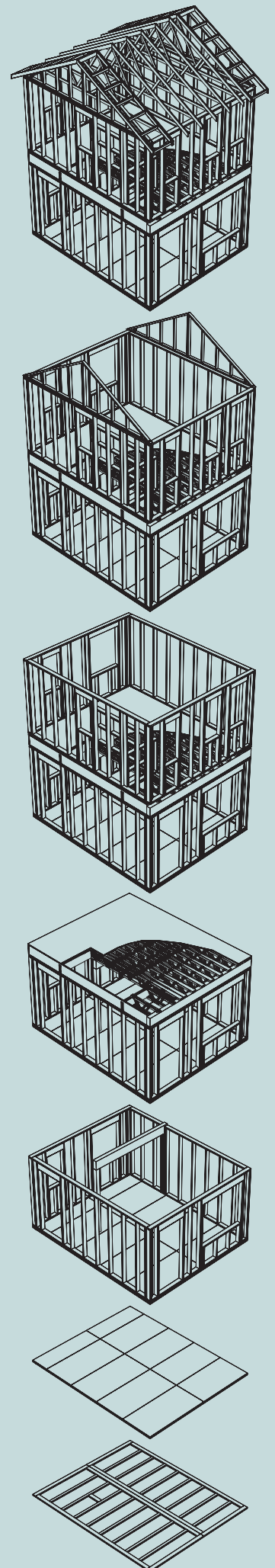
We produce detailed construction drawings with strict quality control procedures, enabling us to oversee every stage - from initial design to the manufacture and site erection of the project. Our design flexibility comes from using today's most advanced technology in machinery and computer software.

The advantages of timber frame buildings

- Design flexibility.
- Speed of construction.
- Weatherproof in days.
- Cost saving.
- Precision construction using kiln dried and treated components.
- Highly insulated.
- Energy efficient.
- Environmentally friendly renewable sources.
- Low maintenance.
- Ease of project management.
- Acoustically excellent.
- Faster occupation.
- Easily extendible.
- No distinction between timber frame and masonry properties made by banks, building societies & insurance companies.



All steps, from transporting wood from the forest to the saw mill until it reaches our customers, gets audited and certified. All our timber is fully treated and for every tree harvested another 3 are planted, adding around 252 million cubic metres annually to the carbon sink.



Case study

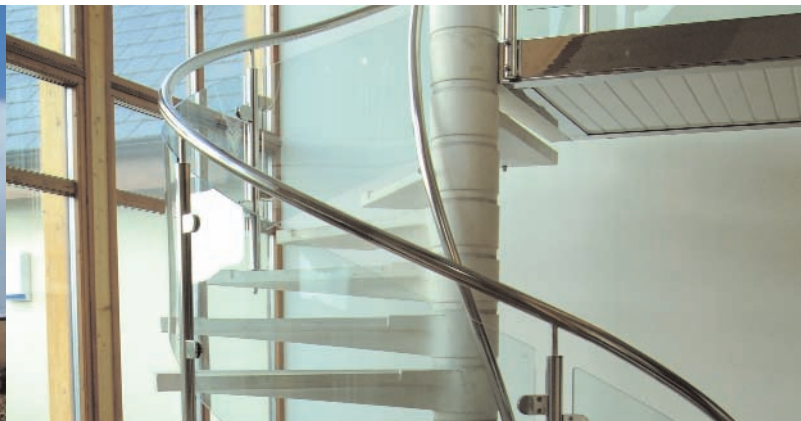
Bolingey, Perranporth, Cornwall



BUILT-IN QUALITY AWARD 2007- Best Single New House

Scheme Summary

Although this scheme was a private commission, Frame UK also used it as a research and development project into eco home building. When changes to 'Ecohomes' ratings, and the later introduction of the 'Code for Sustainable Homes' came into effect, Frame UK were not only able to design buildings to reach optimum thermal and acoustic performances, they actually had physical evidence in the form of this project.



Layout

The design and location of the house are key elements of this development. Its position has a magnificent view across the valley to the opposite ridge. However, it is sloping ground which had to be overcome at the architectural stage. The house, based on a Glulam portal frame design, has many steps and staggers and is supported on legs on one side.

Inside it was designed for modern living and convenience, with open plan and double height spaces, a quadruple garage with adjoining wetroom (for wet surfers and muddy mountain bikers) as well as four ensuite bedrooms.

Double, or even triple, height spaces were not a problem and nowhere is this more evident than the distinctive living area. Here, traditional rafters have been replaced with portal frames and structural 70mm vaulted boarding, so the light and views from the full-height windows are not impeded in any way. Oak is also much in evidence, being used for the floors, doors and skirting, which has been machined to match the interior doors.

There is a dramatic spiral staircase connecting three floors constructed in concrete, glass and steel.

Tucked away into a hallway walk-in closet is the electronic hub, housing a security system triggered by movement sensors. Live images, or earlier recordings from the CCTV

cameras can be watched, either in the house, or from anywhere in the world via the internet.

Rooflights in the bedrooms have rain sensors to avoid expansive oversights, while every room enjoys a wall-mounted plasma TV, which can be operated via a central control system (and is not as intrusive as might be thought). Another inobtrusive wall-mounted computer control operates the bespoke lights, which are also auto-sensitive.

Materials and Components

Materials were chosen to minimise the environmental impact; from sustainable sources & locally sourced where possible to cut transportation costs. The house was built using a specially designed 235mm timber frame panel construction.

Triple-glazed windows and high performance doors were used to enhance the thermal performance.

The external skin was through-colour render panels, keeping maintenance costs to a minimum.

The roof overhang was lined with European Larch which does not require any additional preservative or protection. Slate was used for the roof covering in keeping with local vernacular.



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