



Exhibiting at CIH South West - 2010 Housing Event in Torquay / Stand no. 27

focus on sustainability

0.1 Trewin's to unveil Code 6 house for the affordable housing sector.

Trewin Design Partnership have been developing an eco friendly prototype house to meet with the highest level of the Code for Sustainable Homes.

The aim of their prototype house is to develop a typical three bed house that is specifically designed for the affordable housing sector which deals with Code 6 'zero carbon' with affordability in mind. With their expertise of affordable housing they wanted to demonstrate that a Code 6 house was achievable using a layout that meets with current HCA standards and is suitable for a volume market.

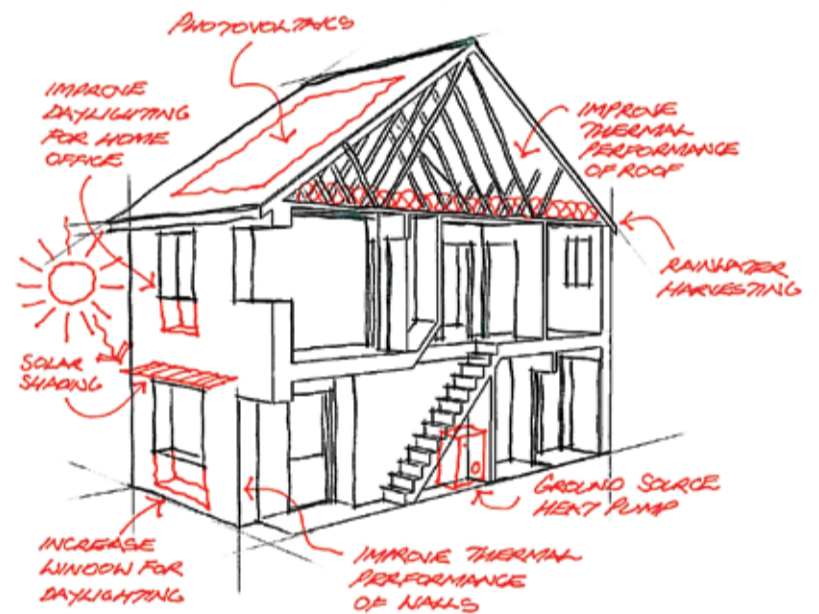
The research project has resulted in the construction of a large scale model of the prototype house which they intend to showcase at the CIH Torquay conference on 15th & 16th April 2010.

The prototype is designed to be semi-detached or as a mid terraced property which can be used in both urban and rural situations.

James Trewin, Partner at Trewin Design Partnership (TDP) believes it's important to tackle the complex issues that the future changes will bring by applying solutions that remain realistic and suitable to the affordable housing sector.

'Our prototype aims to accommodate all the demanding requirements of affordable housing and using our expertise we have provided a design that starts to address the practicalities of meeting housing needs, crucial in the south west'.

TDP are now looking to develop the concept house into a complete range of housetypes. If you require further information please contact James on 01409 253 013.



Concept ideas for Code 6 house

0.2 'Zero Carbon' / How new government targets will affect us

A recent statement issued by the Minister of State John Healey MP confirmed government ambitions for all new homes to be carbon zero by 2016.

The government's Code for Sustainable Homes provides architects and builders with guidance for achieving their positive energy goals.

The Code uses a 1 to 6 star rating system to measure sustainable performance of a new home and sets minimum standards for energy and water use at each level.

David Tithecott, Associate and CSH Assessor at TDP believes that whilst the government's zero-carbon initiative presents undoubted challenges, TDP's extensive experience in design and delivery of sustainable schemes complying with the Code can help them reach ambitious government targets.

"Many of our projects currently meet with Code Levels 3 & 4. All of our staff are sufficiently trained and have the necessary experience combined with the technical expertise in designing the Code." he said.

He admits that there are planning constraints to consider together with client specific requirements and budgets. Experience and feedback from clients, end-users, consultants, planners and contractors, allows the firm to advise on a variety of options and provide cost effective solutions for reaching government targets, without compromising their high architectural merit.

"A collaborative and sensitive approach to negotiations with those involved in the construction process is essential if we are to successfully balance sustainable goals with other development requirements", he said.

In addition to their carbon targets for new homes, the government will also announce later this year plans for all new non-domestic buildings to be carbon-zero by 2019, as part of their long-term plan to cut 80% of UK carbon emissions by 2050.

Please contact David if you have a scheme that requires a Code for Sustainable Homes Assessment.

0.3 Launch of New Website

Trewin's have launched their new website with a fresh new look and many new features. The site allows clients to enter into their own protected area (with a unique password) to view and download their drawings at any time. The site can be found at:

www.trewin-design.co.uk

0.4 Sustainable Strategy / Forthcoming legislation changes to affect developers

In October 2010 Part L of the Building Regulations is going to change which will have a considerable impact on developers building new homes. The government has set the ambitious target of a 20% cut in carbon dioxide emissions. Changes to Part L of the Building Regulations are designed to help achieve this.

The changes will ensure tighter targets for CO₂ emissions. The new system requires the building to be designed as if it were built to 2002 standard's using a gas condensing boiler as a notional heat source, but with its carbon emissions reduced by 25%.

The key changes which come into force in October 2010 are:

Reduced CO₂ Emissions: The big change here is a 25% reduction in the maximum emissions from new buildings.

Quality of Construction: Three issues are dealt with here, namely thermal bridging, airtightness testing and commissioning. In particular, the rules for airtightness testing of dwellings have become stricter, e.g. the number of dwellings on a development that need to be tested will almost double.

Limiting the Effects of Solar Gain: Even if a dwelling has cooling installed, the calculation assessing the risk of overheating must still be carried out (but the cooling system is ignored). For non-dwellings, a completely new approach is proposed: the solar gains through glazing must be less than the solar gains through glazing for a reference building.

We are also seeing emerging policies from Local Planning Authorities who are introducing sustainable policies through their SPG's and draft LDF's. North Devon Council have already adopted an SPG that requires all new developments with 10 or more dwellings to achieve a minimum of Code 3 and for all major developments to have at least 15% of their expected energy provided by renewable technology on site. The implications for developers means that much more design work is required at an early stage and a Code Assessor will need to be appointed prior to the planning stage

0.5 Case Study / Code 5/6 houses, Plymouth



The scheme, by Devon and Cornwall Housing Association (DCHA), offers a great opportunity to improve an abandoned car park into better use for the wider community. As a community led project DCHA, in conjunction with Devonport Land Community Trust (DCLT), have high aspirations for the project which intends to incorporate high quality design, highly sustainable homes (Code 5/6), and to be Lifetime Homes and SBD compliant.

These innovative Code 5/6 houses utilize A+ rated materials, GSHP, PV's combined with a thermally efficient structure.



0.6 Case Study / 350 new homes in North Devon



Proposed dwellings / Pill Gardens, Braunton, Barnstaple

Plans have been approved for three sites in the Barnstaple area to demolish existing pre-cast reinforced concrete (PRC) properties and build 350 new homes.

The proposals involve demolishing 231 dwellings on estates in Barnstaple, known as Forches and Woodville plus a third site in Braunton and replace them with 350 eco-friendly homes that combined with new roads and well designed open spaces will transform the lives of local families.

The original homes were built after the Second World War to cope with a housing shortage and are riddled with structural faults and deficiencies.

NDH chief executive Martyn Gimber has said the plan would create new communities in some of the most deprived wards in Devon. Jobs, apprenticeships and self-build plots have all been mentioned as added bonuses with the scheme.

He said the scheme was "a once-in-a-generation opportunity to improve sub-standard homes in North Devon." In addition Trewin's have made the new homes as eco-friendly as possible, with solar panels and air source heating to meet Code 4.



Sarah Burnard & Liz Higgins

0.7 Trewin Staff News / Trewin Design

would like to congratulate Louise Dart on having successfully achieved her Advanced Apprenticeship in Business and Administration. Trewin Design has a good track record of providing training opportunities. Partner, David Savage said 'Louise's achievements have already brought great benefits to the practice and she plays an important role as part of our support team.'

Office Manager, Liz Higgins and Administrator Sarah Burnard, have both secured places for the 2010 Virgin London Marathon. Liz, who has worked at TDP for over 20 years, will be running on behalf of Asthma UK and Sarah, who has worked for the practice for 14 years, will be running on behalf of Multiple Sclerosis.

Any donations will be gratefully received to help them exceed their target. Please donate securely online at - www.uk.virginmoneygiving.com/team/tdpmarathongirls



Louise Dart with her award