

Highland Housing Fair - Plot 14

RICHARD
MURPHY
ARCHITECTS



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Our house design, originally won through competition, is one of over 50 house designs which formed part of the Scotland's Housing Expo located on the outskirts of Inverness.

The Expo, the first event of its kind in Scotland, was open to the public through the month of August 2010. The aim of the fair was to provide a development that featured innovative and highly energy conscious houses where good design and sustainable features were commonplace in every home and offered perhaps a model for future housing design and development.

Our design, built with Tullochs, is an "upside down" house, with the main living space of the house based on the first floor in order to make the most of natural light. A roof light running along the ridge provides a large amount of natural light during the day for a relatively small amount of glazing.

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of material being used the day, for a relatively small amount of glazing.

The house was described by the expo as a healthy, breathing home, centred on a dynamic living space. The house is timber framed and uses local larch timber cladding with the primary innovative energy feature being the use of a dynamic breathing permeable insulated roof drawing fresh air directly through the insulation and in the process heating and cooling the air passively.

The house featured also an air exhaust pump, working much like an air source heat pump but instead of taking air from outside this one works internally taking air from toilets, utilities and kitchens. This system heats up water before entering a boiler which tops up the heat if required.

The 4 bedroom house has a predicted annual energy performance / running cost of £279 and Energy Usage (heating only) of 27 KWH/m2.

Now that the fair has finished, all houses are being sold by the Highland Housing Alliance.

Other Details

Architects	Richard Murphy, Matt Bremner, Adam Burgess, Guy Scott, Piotr Kmieczyk, Dominik George
Engineers	Halcrow
Construction Cost	£300,000
Client	Highland Housing Alliance

Press

August 2010	Highland Housing Fling	B D Magazine
July 2010	Cala Homes Take Part In Housing Project	Keystone Issue 43
April 2010	Scotland's Housing Expo Homes Previewed	B D Online

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