



improving living in scotland



HOMES FOR SCOTLAND

Student Architectural Competition

THE 2020 HOUSE



Background

All new homes will have to be constructed to nearly zero carbon standards by 2020 in line with European legislation¹. Since 2007, the home building industry has reduced emissions by around 75% compared to 1990 levels through progressive tightening of building standards (Section 6: Energy)². Further changes to building standards in October 2015 mean that the home building industry is one step closer to the challenge of delivering zero carbon housing solutions, at scale, across Scotland.

Competition Invite

With 2016 being the year of Architecture, Design and Innovation, Homes for Scotland invites submissions from students for innovative designs of a concept family house type, suitable to meet future zero carbon requirements set to be introduced in Scotland by 2020. Students are encouraged to think creatively, whilst ensuring their submissions are buildable, replicable at scale and meet future customer demands and expectations.

Competition Format

Entries will be judged by a panel of architecture and home building industry experts with the best entries from an open stage shortlisted and invited to present their concepts to the panel.

Front & Back Cover Image:
Azure Grand, Westercraigs, Robertson Homes

Image Above:
The Darrocjh, Woodilee Village, CALA Homes

1. Directive 2010/31/EU of the European Parliament and the Council of 19 May 2010 on the energy performance of buildings
2. Scottish Government Building Standards Division - Technical Handbooks & Supporting Guidance—Domestic 2015

The Brief

Students are asked to submit a concept for a nearly zero carbon, three bedroom, detached family home (around 100m²), designed to comply with 2015 Scottish Building Standards. Entries should demonstrate innovative approaches to design and use of materials and space whilst taking full consideration of the commercial aspects of development such as practicality of construction, how replicable the design is across a range of sites and locations and how it meets customer demands and expectations.

Submissions should include the following:

- Site plan, floor plan(s), sections and elevations
- 3D visualisation of the concept
- Outline specification and backstop u-values for wall types, floors, roofs and openings
- A selection of core details that demonstrate the principles of the 'fabric first' strategies employed within the building design
- Evidence to demonstrate the principles of appropriate heating and ventilation strategies
- A Design Statement (max 1000 words) outlining how the design meets the set criteria

Site Information

Entrants will be provided with the site details of BRE Innovation Park @Ravenscraig. House types should be designed specifically for one of the four vacant plots and consideration given to the merits of plot selection.



Image Above:
The Buchanan, St Andrews Brae
Miller Homes



Prizes

All finalists will be invited to attend the Homes for Scotland Annual Lunch & Awards at the EICC in Edinburgh on 20 May 2016—the premier event in the home building industry calendar attracting some 900 senior industry representatives last year, where the winner will be announced and finalists presented with their awards.

In addition to the above, finalists will also receive:

Winner - £1,000
Runners-up - £500

The finalists will also have their designs showcased at the BRE Innovation Park @Ravenscraig

Timetable

The programme timetable is:

<u>Submissions Deadline</u>	by 25 March 2016
<u>Judging Process</u>	between March & April 2016
<u>Shortlist Announced</u>	April 2016
<u>Student Presentations</u>	April/May 2016
<u>Winner Announced</u>	20 May 2016

Eligibility

The competition is open to all current students³ studying built environment-related undergraduate degrees in Scotland. Both individual and team entries are encouraged (to a maximum of three team members)⁴.

Registration

To participate in the competition entrants are asked to notify Homes for Scotland of their intention to submit a design by email to studentaward@homesforscotland.com prior to the closing date of **25 March 2016**. Registered participants will receive email updates and guidance that can support their submissions.

Questions

Any questions which students wish to ask concerning the design brief should be emailed to studentaward@homesforscotland.com. An explanatory note based on all the questions submitted (with appropriate answers) will be presented to all entrants on the webpage dedicated to the competition.

3. Students will be asked to provide evidence of study upon registration.
4. No member or employee of the promoting body nor the assessors nor any partner, associate or employee of them shall be eligible to compete or assist a competitor.



Image Above:
The Hexham, Helenslee View
Bett Homes



Submission Method

Entries should be emailed to studentaward@homesforscotland.com **by no later than 25 March 2016**. Links for file sharing sites such as WeTransfer or Dropbox will also be accepted.

Entries that arrive later than this time will be disqualified.

Submission Instructions

No physical models will be required. Students should submit their design proposals electronically in a PDF format, including a short typewritten Design Statement of a maximum 1000 words explaining how the design meets the set criteria. Entrants are encouraged to present CGI visualisations of their concept (these should be provided separately from the PDF) however, these should be of sufficient quality to enable promoters to present them on appropriate web and print media.

Copyright

The ownership of copyright in the work of all competitors will be in accordance with the Copyright and Patent Act 1988.

Disqualification

A design shall be excluded from the competition if:

- received after the latest time stated under Submission Method
- In the opinion of the judges it does not substantially meet the requirements of the brief
- An entrant improperly attempts to influence the decision of the judges
- Any of the mandatory requirements of the competition conditions and brief are disregarded

Further Information

Supplementary information can be found on the dedicated competition webpage
www.homesforscotland.com/events/annual-awards/student-award



Image Above:
The Hibiscus, Athletes' Village
City Legcay
CCG, Cruden Homes, Mactaggart & Mickel

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