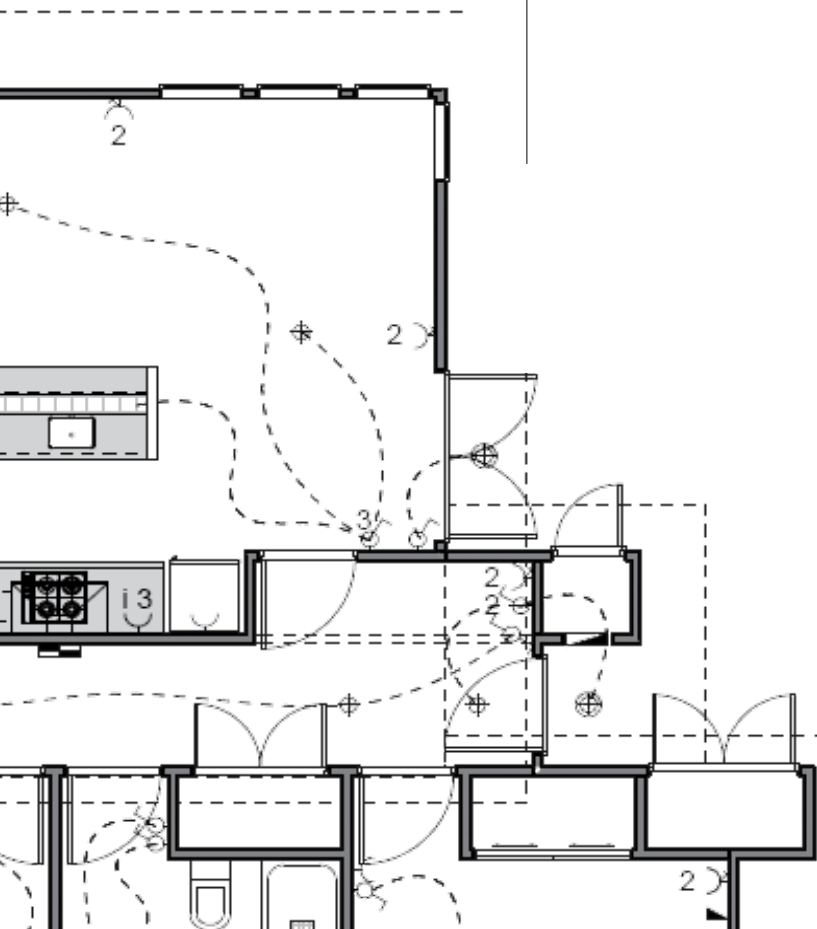




Department of
Building and Housing
Te Tari Kaupapa Whare

The **Starter Home Design** Competition





Thank you for your interest in The Starter Home Design Competition.

This competition is to encourage designers, architects and builders to design a starter home for today's environment – that is, a home characterised by flexible, functional spaces at a price that is affordable for more first-home buyers.

The winning design will be built by the Housing New Zealand Corporation and showcased to the public.

As a nation we have a very high rate of home ownership and owning a home is part of the New Zealand lifestyle. However, people are finding it increasingly difficult to afford to buy a home and many consider building their own home to be an even more expensive option.

The Department of Building and Housing wants to help show that with the right approach and Kiwi creativity, affordable houses can be designed and built to be within the reach of more New Zealanders.

The competition runs until 19 November 2008 for general entries and 26 November for student entries. The winners will be announced in March 2009.

The Starter Home Design Competition will use the Department of Building and Housing's proposed Compliance Document for Simple Housing (June 2008) as a guide.

The competition will be judged by a panel consisting of architects, designers, builders and representatives from the housing sector. Their expertise will do justice to your work and your designs will be given full consideration.

This information pack contains the competition rules, the proposed Compliance Document for Simple Housing (June 2008) judging criteria, details of the judging panel and timeframes.

Once you have read through this pack, please complete the registration form and return it to the Department of Building and Housing as soon as possible so that we know to expect your entry. This will also ensure you receive regular updates on the competition.

Good luck!

Katrina Bach
Chief Executive
Department of Building and Housing

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1. Competition purpose

1.1. The Department of Building and Housing (“the Department”) is organising and sponsoring a design competition for a starter home (“the Design Competition”). The purpose of the Design Competition is to:

- Focus attention on design solutions that encourage building sector efficiencies and the economic selection of materials and designs.
- Deliver a range of readily built home designs that show that affordable Building Code compliant houses can offer the personalised solutions that New Zealanders demand, while also providing functional and practical living spaces.
- Promote simplification and standardisation of houses.

Design Competition objectives

1.2. The objectives of the Design Competition are to:

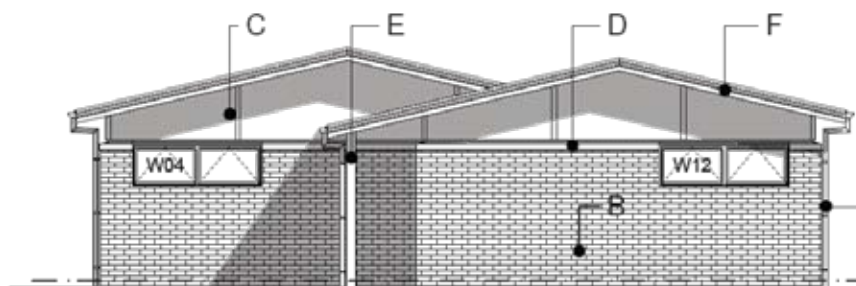
- Increase awareness of the proposed Compliance Document for Simple Housing (as at June 2008) (“the proposed Compliance Document”) among the public generally and specifically among builders, architects, students and designers.
- Demonstrate that innovative design and building methods will result in good quality affordable housing.
- Encourage the design of affordable, innovative homes that are also practical to build.
- Generate excitement around the idea of a well-designed starter home.
- Grab the imagination of first-home buyers and show them that building a house (rather than buying an existing one) is a viable option.
- Foster discussions in the public about affordable and sustainable housing.

1.3. Housing New Zealand Corporation (“the Corporation”) will provide land and contract a finalist (“finalist”) to take a design to full working drawings. The Corporation will arrange, finance and manage this design to be built. During the 3 month period following completion of the building, arrangements will be made for open home events.

1.4. Apart from contracting a finalist as described above in Rule 1.3, there is no intention on the part of the Department or the Corporation to contract the entrants for any forward work. It is anticipated the Design Competition winners will be acknowledged as leading and innovative designers in the housing environment.

2. Type of competition

- 2.1. This is an open entry staged ideas design competition for the design of a house based on the proposed Compliance Document. The submitted sketch designs (see Rule 6.1.3) must ultimately (with further development of the detailed design) be capable of being confirmed as fully compliant with the Building Code by the relevant building consent authority when the design is built.
- 2.2. Competitors should submit 1 design per entry form. There is no restriction on the number of entries by an individual or organisation.
- 2.3. The Design Competition is based on the proposed Compliance Document.
- 2.4. There are 2 entry categories:
 - Category 1 is for the designs that demonstrate creative solutions that strictly comply with the proposed Compliance Document.
 - Category 2 is for the designs based on an innovative application of the proposed Compliance Document with departures from the proposed Compliance Document identified. The Category 2 designs are to be compliant with the Building Code.
- 2.5. All entries are to be prepared to the sketch design stage (see Rule 6.1.3) from which the Judging Panel (see Rule 8.1) will make a shortlist of finalists. Only the finalists will progress to the preliminary design stage (see Rule 10.1). The preliminary design stage will require the finalists to provide additional information and to develop the submitted sketch designs to preliminary designs.
- 2.6. Entry in the 2 categories is open to all entrants. Students can also enter either Category 1 or 2 but student entries will be judged separately from other entrants. Final placing of students' entries will be determined at the end of the sketch design stage.
- 2.7. The Judging Panel will identify the designs to go forward as finalists. The Department will request all finalists to develop the preliminary design in sufficient detail to achieve a high level of confidence in the price, greater verification of Building Code compliance required by these rules and adequate specification for Home Energy Rating Scheme (HERS) energy rating assessment.
- 2.8. The Judging Panel will be looking for winning designs and runners up in Category 1 and in Category 2. In addition an overall student winner and runner up will be selected.





3. Description of design requirements

- 3.1. The Design Competition requires that a fully functional single unit house is designed which complies with the performance requirements of the proposed Compliance Document. It will contain 2 or 3 bedrooms, be no bigger than 120 square metres per unit and demonstrate provision for an attached garage and/or an additional bedroom.
- 3.2. The design must be to an amenity standard that meets modern living expectations for first-home buyers, those with young or growing families and those enjoying their retirement years.
- 3.3. The house layout should have easy connection to street access, areas for private outdoor use and appropriate levels of outdoor lighting for safety.
- 3.4. The site can be assumed to be nominally flat with an ultimate bearing capacity of 300kPa. Universal location within New Zealand is to be assumed but subject to the limitations in the proposed Compliance Document Paragraphs 2.1 to 2.4.
- 3.5. The design excluding site works must target a maximum cost to build of \$1400 per square metre (including GST). This excludes the cost of a garage or an additional bedroom for which provision for future attachment is to be made.
- 3.6. A more extensive definition of the parameters is in Appendix 1.





4. Entry decision made easy

- 4.1 There is no fee to enter the Design Competition.
- 4.2 The Department will make no payment at the sketch design stage for those entering the Design Competition. It is anticipated that the competition will generate publicity for the entrants and their designs. The Department will use reasonable endeavours to secure publicity of the best designs of the finalists and winners.
- 4.3 The sketch design stage of entries must be documented sufficiently to enable assessment for Building Code compliance. Rough order cost assessments can then be made by a reasonably skilled specialist.
- 4.4 The Department will (at its sole discretion) contract selected finalists to take their sketch drawings to preliminary design detail. This step is intended to enable the Judging Panel to verify buildability and a greater level of certainty regarding Building Code compliance.
- 4.5 The Department is unable to issue building consents or to verify Building Code compliance. Success in this Design Competition is independent of statutory processes.
- 4.6 Payments made to selected finalists under each contract referred to in Rule 4.4 above will be to a maximum of \$3000 excluding GST. This payment is to assist in the production of high quality drawings. Payment up to this sum will be made subject to a formal contract for supply of the preliminary design being entered into by the Department and each selected finalist.

5. Registration, entry and submission

- 5.1. If an entry to the Design Competition is being considered, the Department requests that the registration form (see page 19) be completed and returned to the Department. This will allow the Department to provide those registered with any updates on the Design Competition. Submitting the registration form does not create an obligation to enter.
- 5.2. If an entry is being submitted, please complete an entry form (see page 20) and attach one to each completed entry.
- 5.3. All entries must be received by 4pm, 19 November 2008 for open entries and 4pm, 26 November 2008 for student entries at the designated address (see Rule 17.1). Please ensure entries are labelled as "The Starter Home Design Competition Entry".
- 5.4. It is each entrant's responsibility to package and transmit their Design Competition entry so that it arrives intact and before the deadline. The Department will not be responsible for loss or damage to entries in transit.
- 5.5. For administrative enquiries, Serge Sablyak can be contacted at serge.sablyak@dbh.govt.nz or telephone 04 470 1030.



6. Description of submission requirements

6.1. Each entry must have the following information accompanying it, but the information must not exceed the following requirements:

6.1.1. *Entry category*

Each entry must identify:

- The category being entered – either Category 1 or Category 2.
- If applicable, whether the entrant is a student.

6.1.2. *Single point of contact*

If there is more than 1 person involved in producing an entry then a single point of contact must be included with that entry. Details for this person should include an email address, and/or telephone numbers.

6.1.3. *The sketch design definition*

The sketch design should include up to 4 A3 sheets of presentation standard building graphic, other perspectives and sketches, a floor plan, elevations and details describing the design. Building services are also required to be drawn.

The drawn details must demonstrate:

- Design that when developed will comply with the proposed Compliance Document (for Category 2 departures are acceptable but must be noted).
- Sustainability principles.
- The extent to which the sketch design has departed from conventional practice. In the sketch design, scale and detail should enable a qualified quantity surveyor to establish a rough order cost on the design to compare against the maximum target cost to build of \$1400 per square metre (including GST). The written details supplied will also need to identify thermal performance levels intended for building envelope elements.

6.1.4. *Written details*

The written details should be no more than 4 single side A4 sheets or alternatively may be built into the A3 format taking the full submission to no more than 6 single side A3 sheets including any graphics and drawn details. The written details are to provide a commentary on the design, and in addition should highlight areas that differentiate the design. Entries in Category 2 are to identify where departures from the proposed Compliance Document are incorporated.

6.1.5. Price

An indicative budget estimate for the cost to build is to be included in a separate sealed envelope.

6.1.6. Documentation

All the submitted documents (the drawn and written details) should not be permanently bound to enable copies of the design to be easily distributed for judging.

The submitted documents will be presented to the Judging Panel and are not to include any features that identify authorship of the design to an individual or firm. The Judging Panel will not be aware of the entrants' identities during the judging phase. At the opening of entries by the Department the documents will be allocated a unique number and the index for this will be kept by the Adjudicator (for details on the Adjudicator see Rule 8.3).

Entrants are recommended to make copies of their submissions for their own records as the Department will give entrants the opportunity to personalise selected submission material before being mounted for display or publication.

Entries received after the closing date will not be accepted. Entries that do not comply with the rules will also not be accepted.

7. Assessment of submissions

- 7.1. All submissions will be assessed in a thorough, analytical and unbiased way.
- 7.2. Initially all submissions will be reviewed by Building Code advisers and quantity surveyors to confirm that they conform to the fundamental category requirements. That is either each submission aligns completely with the proposed Compliance Document in Category 1 or has valid noted departures from that document in Category 2.
- 7.3. A quantity surveyor will be selected with an emphasis on experience in the target market that includes experience of pricing for the impact of multiple duplicate housing units. The quantity surveyor will review the submissions prior to placement before the Judging Panel and identify a first cut of designs that are deemed to exceed the price target (if any).



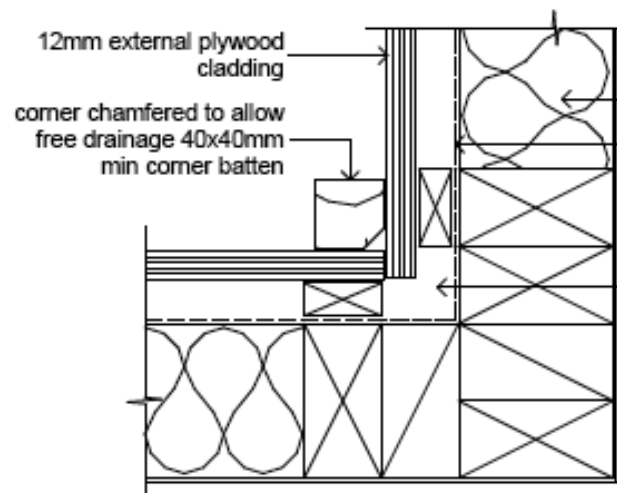
8. Judging Panel and Adjudicator

8.1. The Design Competition will be judged by a panel of up to 7 people including the chairperson ("the Judging Panel"). The Judging Panel will be made up of:

- Judging Panel chairperson Gordon Moller ONZM, Dip Arch, FNZIA, PPNZIA, HonDLitt Well, Hon RAIA
- Lynda Amitrano, a specialist in sustainability, energy, conservation with BRANZ
- David Brown, a certified builder nominated by Certified Builders Association of New Zealand (CBANZ) with buildability and pricing experience
- Graham Coe, a registered master builder nominated by Registered Master Builders Federation with experience in prefabrication and repetition efficiency
- Professor Gordon Holden, head of the Victoria School of Architecture and Design
- Kevin Mara, General Manager - Asset Programmes of Housing New Zealand Corporation
- Thérèse Quinlivan, Director of Community Housing Aotearoa

8.2. The Judging Panel will also be supported by advisers to assist with technical advice only, including technical experts nominated by the Energy Efficiency and Conservation Authority (EECA) and the Department. Input will also be included from quantity surveyors. None of the advisers will be involved in the ranking of entries, this is solely the role of the Judging Panel.

8.3. An Adjudicator will review the Design Competition process and confirm that compliance with the rules is maintained throughout the Design Competition. The Adjudicator is Ashley Francis of Strategix Consulting Ltd.





9. Sketch design stage judging

- 9.1. The Judging Panel will assess the entries in Category 1 for overall practicality. This includes but is not limited to:
- Buildability.
 - Space of sufficient size to house furniture.
 - Ability to accommodate anticipated traffic flow.
- 9.2. After the initial assessment for practicality, all entries will be judged for:
- The creativity and innovation against each applicable performance clause in the Building Code and the proposed Compliance Document.
 - The flexibility in the design of the house for widespread placement.
 - The adaptability to changing needs of families over time.
 - The potential for standardisation, prefabrication and repetition.
 - The application of sustainability in the design.
 - Aesthetics.
- 9.3. Category 2 entries will also be assessed for the impact of identified departures from the proposed Compliance Document.
- 9.4. The Judging Panel will address a predetermined list of characteristics grouped under common themes that sum to the weightings in the table at the end of these rules (different weightings are also required to reflect the importance of core characteristics). The Judging Panel's scores will be totalled. The Judging Panel's decision will be final and binding on the entrants and the sponsor.
- 9.5. Student entries in either Category 1 or Category 2 will be judged through the sketch design stage only.

10. Preliminary design stage judging

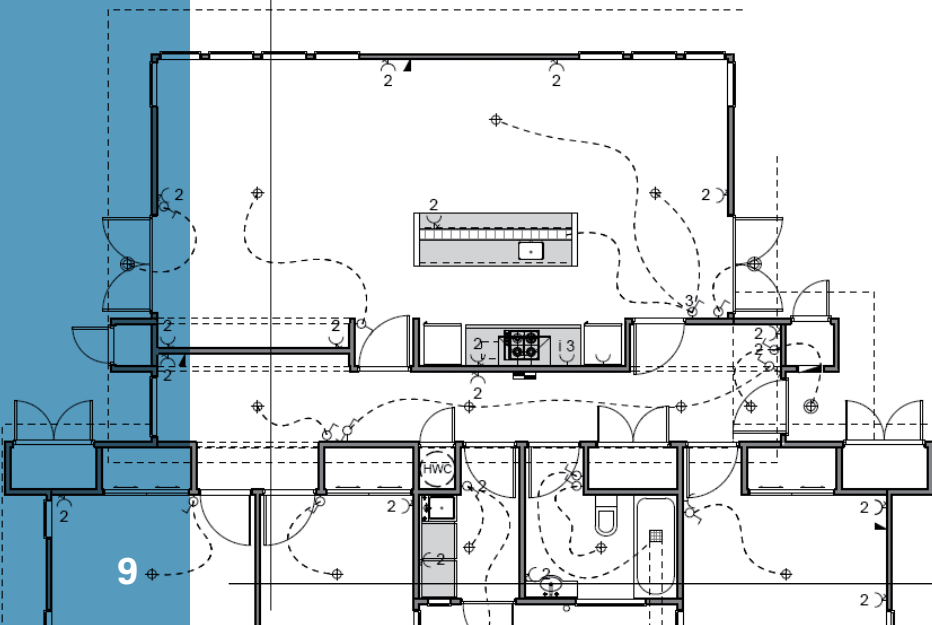
- 10.1. The top scoring designs (a total number between 4 and 12 designs depending on the number and quality of responses) will be shortlisted as finalists. Finalists will be asked to take their designs forward to sufficient detail for price checking within 30 working days of the request to do so. Price checking will be in conjunction with a quantity surveyor and a Home Energy Rating Scheme (HERS) energy rating by a qualified auditor. The additional detail and information developed in the preliminary design stage will be incorporated into the Design Competition entries and submitted to the Judging Panel to decide the overall winners.



- 10.2. At the Department's discretion and subject to certain conditions, it will pay up to \$3000 excluding GST per finalist (on invoice) as a contribution towards developing the design at sketch design stage into a preliminary design.
- 10.3. The cost to build pricing will allow designs to be ranked from least expensive, however in order to recognise the importance of innovation, the cost factor will be limited to 15% of the total points available (provided the maximum cost to build of \$1400 per square metre (including GST) is not exceeded).
- 10.4. The price will be assessed on the basis that 10 units would be built in any 1 year in a region. The pricing boundary definitions and the relevant weightings in the Judging Panel marking schedules are given in Appendix 2.
- 10.5. The decisions of the Judging Panel are final and no correspondence will be entered into on the ranking.

11. Timeline

- 11.1 Registrations open on 14 September 2008 and entries are due by 19 November 2008 for open entries and 26 November 2008 for student entries.
- 11.2 Sketch design judging will be completed by 4 December 2008.
- 11.3 Preliminary design stage judging will be completed by 25 February 2009.
- 11.4 The Judging Panel's final decisions will be made by 6 March 2009. The winners will be publicly announced in March 2009.
- 11.5 The winning designers' contracted work with the Corporation is expected to commence in late March 2009.



12. Prizes

- 12.1. The finalists and their designs will be featured in publicity material intended to promote the proposed Compliance Document. In addition cash prizes for the best 2 designs in each category will be made.
- 12.2. The prize pool is \$25,000. This includes \$8000 for first place by category and \$2000 for runners-up based on the relative scores assessed by the Judging Panel.
- 12.3. Those placed in the student category will win \$4000 for first place and \$1000 for runner-up.
- 12.4. At least 1 of the finalists' designs will be built under the administration of the Corporation. This is subject to Rule 13.6 below.

13. Feedback to entrants and publicity of outcome

- 13.1. All submissions will be acknowledged.
- 13.2. Bona fide submissions that are assessed as meeting the sketch design stage thresholds will be ranked and entrants will receive feedback including the relative placement. Feedback will be provided within 8 weeks of the Design Competition entry closure. Feedback will not provide verification of Building Code compliance due to the limited detail anticipated by the entry requirements and the lack of authority for the Department to do this.
- 13.3. Those submissions going on to the preliminary design stage competition pricing assessment will get an opportunity to review the Judging Panel's consolidated assessment of the design's attributes and to review the price score at the end of the Design Competition. It is anticipated that in preparation for publicising the outcome there will need to be substantial dialogue with selected designers.
- 13.4. The Department is seeking to raise awareness of innovative design that produces good quality, affordable homes. This Design Competition is part of the strategy to increase knowledge about and awareness of the proposed Compliance Document. The Department will use the Design Competition for publicity and will be seeking the support of entrants.
- 13.5. In the unlikely event of the Judging Panel deciding that none of the submissions meet their expectations, the Department reserves the right to accept and act on a recommendation that no prize or prizes be awarded.
- 13.6. In the unlikely event that the Corporation cannot accept a finalist's design to go forward to build, the Corporation will be under no obligation to meet or engage with any finalist.
- 13.7. The Department is not authorised to confirm Building Code compliance or affirm that a design meets building consent requirements. The rigour in that process is beyond the scope of the Design Competition assessment. The testing for compliance will therefore be restricted to likelihood of compliance.



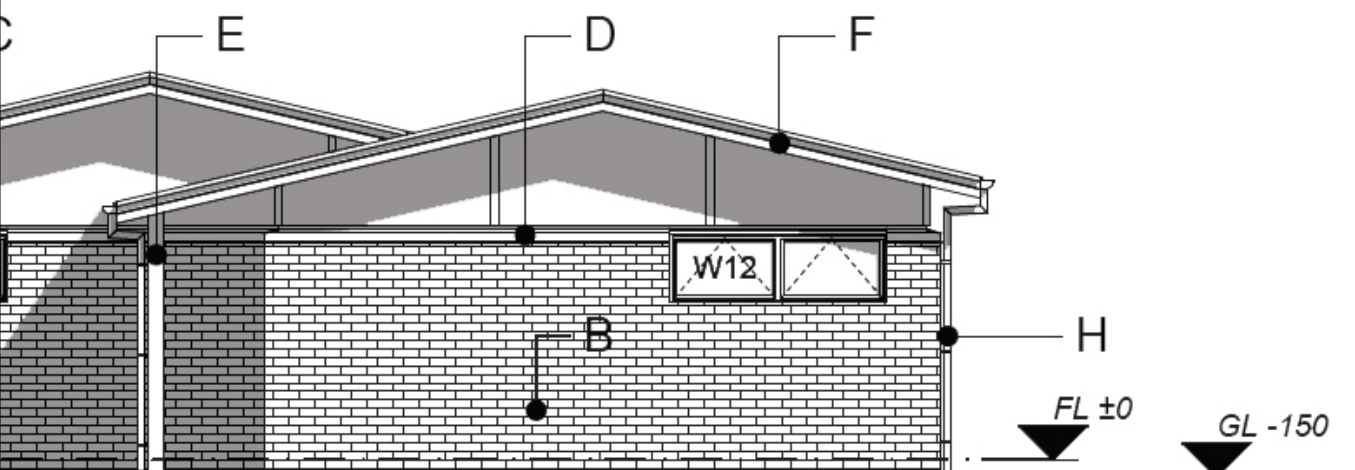
14. Intellectual property and publicity rights

- 14.1. By entering the Design Competition, all entrants are confirming that they own the intellectual property in the design and any material associated with it.
- 14.2. Entrants will continue to own the intellectual property in all designs that they submit to the Design Competition including any associated material, processes, formulae and information.
- 14.3. Subject to Rules 14.5 and 15.3, upon entry to the Design Competition, each entrant grants the Department a licence to use all designs and associated material and information provided or otherwise submitted to the Design Competition, for the purpose of the Department promoting the Design Competition's purpose and objectives, reporting on the Design Competition and informing further development of the proposed Compliance Document.
- 14.4. Each licence granted to the Department under Rule 14.3 will cease:
- For all entrants that are not chosen as finalists or as contributors to the promotion material, 6 months after the public announcement of the winners of the Design Competition.
 - For finalists or contributors to the promotion material, on completion of the Design Competition promotion (or 18 months from submission whichever is the sooner).
- 14.5 The finalist whose design is chosen to be built under Rule 15 agrees in accordance with all of Rule 15 to grant to the Corporation a licence to use the intellectual property for the designs (including full working drawings), plans and relevant associated material to be used for (no less than) the first house built. Any further use of the design would be by negotiation between the Corporation and the owner of the chosen design.
- 14.6 The Department reserves the right to publicise the Design Competition submissions in sufficient detail for the design innovation of those submissions to be evident to the public.
- 14.7 The Department retains the exclusive publicity rights in terms of announcement of submissions and publication of Design Competition outcomes.



15. The design progressed to build

- 15.1. Subject to Rules 13.6 and 14.5, the Department confirms that the Corporation will contract 1 of the finalists to complete their designs to full working drawings and consent application.
- 15.2. The contract between the Corporation and the chosen finalist will be based on the draft contract which can be viewed at www.dbh.govt.nz/designcomp. Terms of the contract will include the following requirements:
- The maximum fee payable to the owner of the chosen design on receipt of consented plans will be \$20,000 including GST, but excluding Council charges.
 - A further fee up to the amount of \$3000 including GST, will be paid for the chosen finalist to observe the construction works.
 - The owner of the chosen design agrees to grant the Corporation a licence to use the intellectual property in the designs pursuant to Rule 14.5.
 - The Corporation will engage the building resources necessary to use the consented plans to build the house.
 - The chosen finalist will be required to produce the full working drawings within 40 working days from the date of the Corporation commission.
- 15.3 The Corporation will retain exclusive publicity rights for all designs and associated material produced under the contract between it and the chosen finalist, except to the extent that the Department will promote the results of the Design Competition in relation to the built house. The arrangements for open home events during the 3 month period following the final completion of the building will be made between the Corporation and the designer of the home and the Department.





16. Documentation management

- 16.1. Entries to the Design Competition will not be returned to entrants.
- 16.2. All information and material submitted by entrants in the course of the Design Competition and incorporated in promotion material will be retained by the Department as part of the official record. The balance of submitted material will be disposed of no later than 18 months after the formal announcement of the winner.
- 16.3. The Department expects to exhibit a selection of entries in whole, or in part, or to reproduce them in other mediums during the course of the promotion of the Design Competition. This material will be retained by the Department as part of the official record.

17. Contact the Department

- 17.1. The Department is the sponsor of this Design Competition.

Correspondence and entry should be addressed to:

The Starter Home Design Competition
Department of Building and Housing
PO Box 10 729
86 Customhouse Quay
Wellington

Contact can be made with the Department on matters of administration by email to serge.sablyak@dbh.govt.nz or telephone at (04) 470 1030.



18. Restriction on participation

18.1. This Design Competition is open to the public. However, none of the following people are eligible to compete or assist with any entry:

- Any person in paid employment by, or currently contracting with, the Department or the Corporation.
- Any associates or advisers involved with the promotion or judging of the Design Competition.
- Any members of the Judging Panel.

19. Official Information Act 1982

19.1. All Design Competition entries provided to the Department become official information and may be the subject of requests for information under the Official Information Act 1982.

19.2. The Department will treat all information in accordance with the Privacy Act 1993. However, by entering the Design Competition, entrants agree that their names, details and entries may be disclosed, including for promotional purposes, after the Judging Panel's decisions have been announced. This may occur for all finalists on receipt of the Judging Panel's final decision and may be released at the end of the sketch design stage for all other entrants.

20. Dispute resolution

20.1. It is expected and hoped that ongoing and open communication between the Department and the Adjudicator, and entrants will avoid potential disputes.

20.2. However, in the case of a dispute:

- The Adjudicator will negotiate in good faith to resolve all differences and disputes arising between them concerning the Design Competition.
- If a dispute cannot be resolved within 14 days then any party may initiate mediation to resolve a difference or dispute by giving written notice of that intention to the other party or parties.
- The mediator shall be agreed on by both parties, but if the parties cannot agree on a mediator within 7 days after the date the mediation has been initiated then the mediator shall be determined by the head of the New Zealand chapter of Lawyers Engaged in Alternative Dispute Resolution (LEADR). Before the mediation begins the parties and the mediator will sign a mediation agreement.
- If the difference or dispute has not been settled within 20 working days of the appointment of the mediator, or within a period agreed in writing by the parties, then either party may refer the matter to arbitration under the Arbitration Act 1996.



Parameters for a simple, stand-alone, single storey house

Entrants are to use the proposed Compliance Document [inclusive of referenced standards or their current equivalent] as the base from which to develop a design whilst adhering to the requirements below and as set out in Appendix 2.

The design is to comply with the Building Code and deviations from the proposed Compliance Document must be clearly identified. The proposed Compliance Document foundation support and loading conditions are to be applied.

Requirements

1. Size

- Maximum of 120 square metres habitable floor area, arranged as a simple, stand-alone, single storey dwelling (excluding garage).
- Provision for car-parking or garaging, either incorporated into the original design or shown as a possible future addition to the house.

2. Price range and scope

- A good quality affordable home with a maximum target cost of \$1400 per square metre (including GST) for the design constructed on an urban site. The provision for service connections will be included up to the junction nearest the house envelope that concentrates the individual service in a single line. No whiteware or loose furnishings or floor coverings (other than those required for compliance) are to be included. Design fees will not be included for the assessment of price within the Design Competition.

3. Design

- Meets the requirements for structural strength and durability for the majority of locations in New Zealand. That is, design for high wind zone, highest earthquake zone, 0.5kPa snow loading and high corrosion zone (not sea spray areas for residential buildings, NZS 3604 Timber Framed Building Standard) as set out in the proposed Compliance Document.
- Amenity standards that meet modern living expectations for first-home buyers, those with young or growing families and those enjoying their retirement years.
- Finishes that reflect requirements for durability and low maintenance.

Design features and considerations

1. Building shape and detailing

Design must utilise building methods, details and materials that:

- Are easily understood and readily implemented by the housing construction industry.
- Provide a low weathertightness risk. That is, each face equal to or lower than 6 on the E2/AS1 risk matrix.

2. Defined spaces

Designs need to have identified spaces for:

- Family living, dining, cooking, laundering, personal hygiene, sleeping and storage.
- Up to 3 bedrooms (minimum 2 doubles).
- Private outdoor space with easy indoor/outdoor access.
- Areas for rubbish storage, and external clothes drying.

3. Structure and space planning that is efficient and (potentially) readily adaptable for future additions or alterations

Housing that would allow for changing family needs over time, and:

- Be easily adaptable, either by internal modification or by allowing for future extensions or upper storey additions without undue modification of the existing structure.
- Have lifetime design features such as wider doorways, level internal/external access, and minimal internal steps and thresholds to assist circulation needs such as for furniture moving, prams, wheel chairs and other mobility aids.

4. Ease of maintenance

Houses should be easy to maintain:

- Good access to exterior parts of the building for cleaning and routine maintenance.
- Surface finishes that allow for ease of maintenance and cleaning.
- The products and materials need to provide reliable performance with simple maintenance requirements (proven materials and products).

5. Incorporate good urban design principles

House layout, design and access and egress should allow for:

- Easy connection to street access.
- Areas for private household external use.
- Personal security, including appropriate levels of external lighting.



6. Simplicity in design

Attention to the repetition of details and repetition of whole house sections together with standardisation will aid in delivering economy over multiple units. The designs will also:

- Provide for opportunity for individualisation.
- Provide for the rearrangement of components to facilitate cost advantage if any.

7. Sustainability features

Designs that incorporate energy efficiency, water efficiency, material efficiency and waste minimisation to minimise ongoing operational costs are encouraged. To achieve this:

- Orientate living areas to northerly aspects to take account of solar gain.
- Thermally insulate walls, roofs and floors.
- Minimise southerly aspect glazing.
- Provide appropriate ventilation for internal air quality.
- Provide energy efficient lighting.
- Ensure the dimensions of the layout are consistent with material standard sizes to minimise material waste.

8. Building layout principles

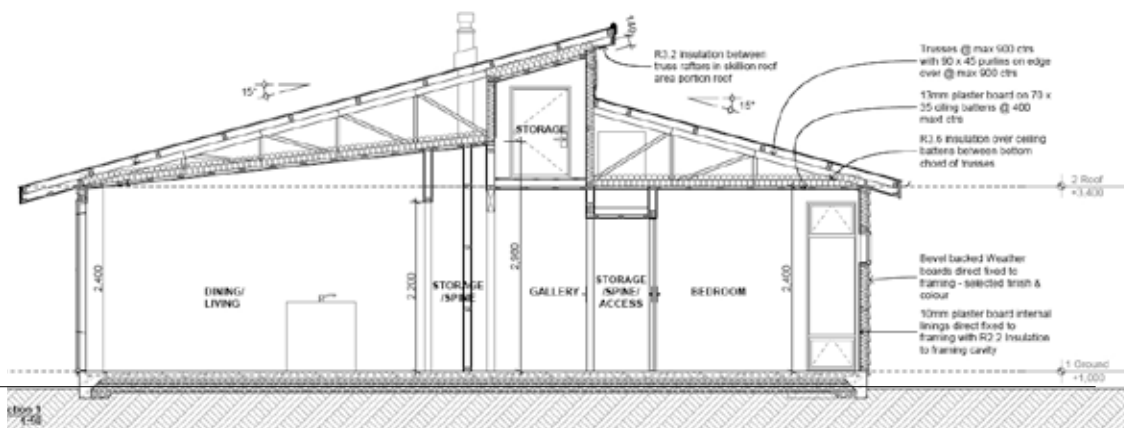
Effective building layout minimises building costs and reduces operating costs. Internal planning would need to:

- Provide energy efficient space heating and water heating.
- Provide for future rain water collection for garden and lawn irrigation if not included.
- Provide for plumbing that enables the future installation of solar water heating if not included.

9. Scoring and Weighting

The following broad categories are embedded in the scoring schedule.

Category		OPEN		STUDENT	
		Category 1	Category 2	Category 1	Category 2
Innovation	Testing against the range of the Building Code clauses.	25%	35%	30%	35%
Price	Linear scale from zero at \$1400 per square metre to 15% at \$920 per square metre adjusted for actual floor area divided by 120 square metres.	15%	15%	Threshold test only	Threshold test only
Sustainability	Including testing for HERS star rating and future proofing identified in the proposed Compliance Document for Simple Housing.	16%	16%	10% by assessment	10% by assessment
Flexibility	Testing against site positioning, future expansion, standardisation and other factors effecting utility.	14%	14%	30%	27%
Judging Panel's view	Discretion of the Judging Panel on overall package of each design.	30%	20%	30%	28%





Registration form

The Starter Home Design Competition

Please complete and submit this form to the Department of Building and Housing so we know to expect your entry and so you can receive updates.

Entrant's name

Company/Organisation

Contact person

Daytime Phone

E-mail

- Architect Designer
- Builder Multiple Home Builder
- Student Other

I undertake to notify the Department of Building and Housing in the event that I do not intend to proceed with my entry.

Signed Date.....

The Department will use this information to form a contact list of entrants to whom we can send any relevant competition information. This information will be held for the duration of The Starter Home Design Competition and then destroyed.

Send this completed form to:

The Starter Home Design Competition
Department of Building and Housing
PO Box 10-729
Wellington



Entry form

A signed entry form must be attached to every design entry. Complete 1 form per entry.
Entries are due by 19 November 2008 for open entries and 26 November 2008 for student entries.

The Starter Home Design Competition

Entrant's name

Company/Organisation

Contact person

Daytime Phone

E-mail

Design Title

Please indicate which design category you are entering:

- Category 1** – Category 1 is for designs that demonstrate creative solutions that strictly comply with the proposed Compliance Document for Simple Housing (June 2008).
- Category 2** – Category 2 is for designs based on an innovative application of the proposed Compliance Document for Simple Housing (June 2008) with departures from the proposed Compliance Document identified.

Please indicate if you are entering as a student:

- Student Entry**

Designs will be compliant with the Building Code and are expected to inform the further development of the proposed Compliance Document.

I confirm that I have read the rules of this competition and note that the Department of Building and Housing is intending to use selected information submitted for publicity purposes. On request I will supply (at no additional cost) 1 additional set of submission documents containing further relevant information for display.

In the event that I am a finalist I recognise that I will need to submit a design in sufficient detail for compliance and price testing that will give a high degree of confidence in the outcome within 30 working days of a request to do so.

I understand that the decision of the judges will be final.

Signed as or for the entrant

Date.....

